Impact Area Groundwater Study Program

Final
Northwest Corner
Remedial Investigation/Feasibility Study

Massachusetts Military Reservation
Cape Cod, Massachusetts

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ABBREVIATIONS, ACRONYMS, AND SYMBOLS

2,4-DANT	2,4-diamino-6-nitrotoluene
2,4-DNT	2,4-Dinitrotoluene
2,6-DNT	2,6-Dinitrotoluene
2A-DNT	2-Amino-4,6-dinitrotoluene
4A-DNT	4-Amino-2,6-dinitrotoluene
AMEC	AMEC Earth and Environmental, Inc.
bgs	below ground surface
BHC	1,2,3,4,5,6-Hexachlorocyclohexane (Lindane)
bwt	below the water table
COC	contaminant of concern
CVM	Cesium Vapor Meter
DNT	Dinitrotoluene
DoD	Department of Defense
DWELs	Drinking Water Equivalent Levels
EM61	Geonics Inc. electromagnetic sensor
EPA	U.S. Environmental Protection Agency
FS	Feasibility Study
ft	Feet
ft/ft	feet per feet
GAC	Granular activated carbon
GIS	geographic information system
GP	Gun Position
gpm	gallons per minute
HAL	Health Advisory Level (for Drinking Water)
HASP	health and safety plan
HE	high explosive
HMX	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
IAGWSP	Impact Area Groundwater Study Program
IX	ion-exchange resins
Kg	Kilogram
L	Liter
LITR	Low-intensity training round
MAARNG	Massachusetts Army National Guard
MassDEP	Massachusetts Department of Environmental Protection
MCL	Maximum Contaminant Level

MCP	Massachusetts Contingency Plan
MCPP	2-Methyl-5,6-cyclopentapyrimidine
MDL	method detection limit
mg/Kg	milligrams per kilogram
mg/L	milligrams per liter
mm	Millimeter
MMCL	Massachusetts Maximum Contaminant Levels
MMR	Massachusetts Military Reservation
MP	Mortar position
MSP	Munitions Survey Project
MTCC	Marine Traffic Control Center
mV	Millivolt
MW	monitoring well
NCP	National Contingency Plan
ND	Non-detect
NGB	National Guard Bureau
O&M	operations & maintenance
PAH	Polycyclic Aromatic Hydrocarbon
PDA	Photodiode array
PEP	propellant, explosive and pyrotechnic
PETN	pentaerythrite tetranitrate
ppb	parts per billion
RAO	Response Action Objectives
RDX	Hexahydro-1,3,5-trinitro-1,3,5-triazine
RI	Remedial Investigation
RSLs	Regional Screening Levels
SARs	small arms ranges
SSL	Soil screening level
SVOC	Semi-volatile organic compound
TCE	Trichloroethene
TCLP	Toxicity Characteristic Leaching Procedure
Tetra Tech	Tetra Tech, Inc.
TNT	2,4,6-Trinitrotoluene
TRV	toxicity reference value
µg/Kg	micrograms per kilogram
µg/L	micrograms per liter
UL	Tolerable Upper Intake Level

USACE	U.S. Army Corps of Engineers
USACHPPM	U.S. Army Center for Health Promotion and Preventive Medicine
USCG	United States Coast Guard
USEPA	U.S. Environmental Protection Agency
UXO	Unexploded ordnance
VOCs	volatile organic compounds

EXECUTIVE SUMMARY

This Northwest Corner Remedial Investigation/Feasibility Study (RI/FS) provides a summary of activities conducted and a synthesis of data gathered for characterization of soil and groundwater contamination in the Northwest Corner of the Massachusetts Military Reservation (MMR). The Northwest Corner investigation and cleanup were conducted under United States Environmental Protection Agency (EPA) Safe Drinking Water Act Administrative Orders and in consideration of the substantive cleanup standards of the Massachusetts Contingency Plan (MCP).

Remedial investigation activities within the Northwest Corner were initially conducted as part of the comprehensive soil and groundwater characterization for the Gun and Mortar Firing Positions investigation. However, as a result of detections of perchlorate in wells near the northwestern boundary of MMR, additional investigation of the general area including and surrounding Gun Positions (GP) GP-12, GP-14, GP-16, and GP-19 and the section of Canal View Road between GP-16 and GP-19 was proposed. This area has been designated the Northwest Corner. The Northwest Corner consists of the northwest corner of Camp Edwards, within an area loosely defined by Kirbe Road to the north and northeast, the power line easement south of Kendrick Road to the south and southeast, and the Cape Cod Canal to the west.

Results of the soil characterization for the Northwest Corner are summarized as follows:

- Gun Positions – Perchlorate was detected in 6 of 96 soil samples. The samples in which perchlorate was detected were largely collected from gun positions GP-16 and old GP-19. Detected concentrations ranged from approximately 1.2 to 7.46 micrograms per kilogram (µg/Kg).
- Canal View Road – Perchlorate was detected at widely varying concentrations in multiple soil samples collected along Canal View Road. These samples were collected downwind of past off-base fireworks displays, based on prevailing wind directions. Soil perchlorate concentrations generally ranged from <5 µg/Kg to over 60 µg/Kg. Concentrations in excess of 1,000 µg/Kg were reported in a few samples. Perchlorate was detected in only one of six multi-increment sample locations (0.70 µg/Kg) collected in this area in 2008.
- Other Areas – Generally low levels of perchlorate (<10 µg/Kg) were sporadically detected in some samples collected from certain other areas including Area 200 (to the south of GP-16). In Area 200, perchlorate was detected in soil samples from several grids at concentrations ranging from 6 to 29 µg/Kg. In this area, the highest perchlorate concentrations were generally observed in surface and/or shallow subsurface soils. Perchlorate was detected in only one of three multi-increment sample locations collected from Area 200 in 2008 at a concentration 1.1 µg/Kg. Perchlorate was largely absent from soil samples collected from the L-3 Range.
- Explosives compounds were not detected in any soil samples collected.
- Semi-volatile organic compounds (SVOCs) and metals detected were present generally in low concentrations in soil samples.

The data indicate that perchlorate in soil was distributed over a wide area extending from Canal View Road just north of GP-19 northward to GP-16. Once in soil, perchlorate dissolves rapidly and leaches to the subsurface. This was confirmed by the infrequent and low level detections of perchlorate in the multi-increment samples collected in 2008.

Groundwater sampling of wells in the Northwest Corner was primarily focused on perchlorate and explosives. Eleven monitoring wells were also analyzed for several other parameters including SVOCs, volatile organic compounds (VOCs), pesticides, herbicides, and metals. The analytical results for groundwater are summarized as follows:

- In September 2005, the shallow perchlorate groundwater plume encompassed a 428-acre area that extended from upgradient of Canal View Road northwest to the Canal (5,200 ft long by 4,000 ft wide). The upgradient portion of the plume extended from the water table to 35 feet into the aquifer. With groundwater migration, the plume moves lower in the aquifer extending from 15 to 50 feet below water table (bwt) at the southern downgradient end at the Canal and from the water table to 30 feet bwt at the northern downgradient end. In 2007 the shallow perchlorate plume encompassed an area of only 364-acres. This decrease in plume area illustrates that fact that the plume is detaching from its source and moving downgradient towards the Canal.
- Perchlorate concentrations within the plume have ranged from 0.28J to 26.3 micrograms per liter (µg/L) with a current maximum concentration of 13.4 µg/L. The highest concentrations of perchlorate were found at the water table beneath Canal View Road, just to the north of GP-19. This area was also characterized by high perchlorate concentrations in soil and the presence of paper fireworks debris after a nearby 2003 July fireworks display.
- The highest concentrations of perchlorate in upgradient wells are at the water table. In downgradient wells, the highest concentrations are in the middle of the plume, 20 to 30 ft below the water table.
- Perchlorate has been detected below 50 feet in the aquifer in only four locations within the footprint of the shallow perchlorate plume. Perchlorate concentrations were low in three of the locations (0.39 to 1.5 µg/L) and somewhat higher in MW-270 located near the Canal (1.2 to 11 µg/L).
- A narrow hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) plume occurs in the middle of the aquifer centered at MW-323, on Canal View Road. The detections of RDX appear to be concentrated in two zones, one at 50 ft bwt and one at 125 ft bwt. At MW-323, RDX has been detected at 50 ft bwt (MW-323M2) at a maximum concentration of 9.6 µg/L. Higher concentrations were detected in one upgradient location (BH-363, 15 µg/L) and in lower concentrations in another (MW-350, 0.46 µg/L). The current highest RDX concentration as of May 2008 is 5.6 µg/L.
- Other organic analytes (including SVOCs, VOCs, pesticides and herbicides) were detected infrequently and at low concentrations (generally less than 1 µg/L) and well below drinking water standards.

- Metals, though detected frequently, were detected in concentrations well below drinking water standards with a few exceptions noted in the risk screening.

Groundwater modeling and the physical and chemical properties of perchlorate indicate that once in groundwater, perchlorate is expected to migrate with groundwater relatively unimpeded, at an estimated rate of 2.5 ft/day (Section 2.1.6). At this migration rate, perchlorate released to groundwater at Canal View Road would reach the Canal less than four years after leaching to the water table.

A narrow plume of RDX is observed in wells crossing beneath the southern boundary of the shallow perchlorate plume. This plume is less than 250 ft wide and consists of two distinct vertical zones of elevated RDX concentrations. The most likely sources for the RDX are located well upgradient of the Northwest Corner. Reverse particle tracks from the more shallow of the two zones of RDX contamination terminate near Avery Road, near the Former A Range and particle tracks from the deepest concentrations terminate in the Central Impact Area.

A Human Health Risk Screening was prepared for the Northwest Corner. The objective of the risk screening was to identify any contaminants that required further evaluation in the Feasibility Study. Constituents detected in groundwater samples were evaluated by comparing the maximum detected concentration of each constituent detected in the groundwater to a series of risk-based screening levels and regulatory criteria. Other factors considered in the screening evaluation were whether the constituent was an essential human nutrient, the frequency of detection of that constituent in the samples, and documented prior false positive analytical results. The results of this screening identified perchlorate and RDX in groundwater at concentrations above risk based levels. Perchlorate and RDX in groundwater were further evaluated in the Feasibility Study portion of the report.

Constituents detected in soil samples were evaluated by comparing the maximum concentration of each detected constituent to a series of leaching-related criteria. As a result of this screening process and the subsequent analysis of the anticipated leaching behavior of the constituents that were highlighted by the screening, only perchlorate was projected to reach groundwater in a timeframe that would commingle with the Northwest Corner plume. Therefore, perchlorate in soil was not evaluated as part of the Feasibility Study.

The response action objectives for the selected response action for the Northwest Corner are to restore the useable groundwater to its beneficial use wherever practicable within a timeframe that is reasonable given the particular circumstances of the site; to provide a level of protection in the aquifer that takes into account that the Cape Cod aquifer, including the Sagamore Lens, is a sole source aquifer that is susceptible to contamination; and to prevent ingestion and inhalation of groundwater containing COCs (RDX and perchlorate) in excess of federal maximum contaminant levels, Health Advisories, DWELs, applicable State standards or an unacceptable excess lifetime cancer risk or non-cancer Hazard Index.

Three alternatives were developed to address perchlorate and RDX in groundwater in the Northwest Corner. Each of the alternatives reduces the contaminant concentrations to background conditions. In addition, each alternative reduces the contaminant concentrations to levels that meet or exceed all regulatory and risk-based standards in 10 years or less.

- Alternative 1 – No Action
- Alternative 2 – Monitored Natural Attenuation (MNA) and Land-Use Controls (LUCs)
- Alternative 3 – Focused Extraction with MNA and LUCs

Alternative 1 (No Action) achieves cleanup levels through natural attenuation processes; however, without monitoring, it would not be possible to confirm that the natural processes have successfully remediated the plume. In addition, without land-use controls it may not prevent exposure before cleanup levels are met. The cost of Alternative 1 is $150,000.

Alternative 2 (Monitored Natural Attenuation and Land-Use Controls) achieves cleanup levels for RDX and perchlorate in approximately 12 years through ongoing natural attenuation processes. Through land-use controls, Alternative 2 ensures near term protection of human health and the environment until natural attenuation processes reduce groundwater concentrations below their respective cleanup levels. The cost of Alternative 2 is $1.2 Million.

Alternative 3 (Focused Extraction) with MNA and LUCs achieves cleanup levels in approximately 10 years from system startup. Short term impacts and implementability are more difficult due to working in a congested, residential area and the cost is significantly more ($9.8 Million).

1.0 INTRODUCTION

This Northwest Corner RI/FS provides a summary of activities conducted and a synthesis of data gathered for characterization of soil and groundwater contamination in the Northwest Corner of the MMR. The Northwest Corner investigation and cleanup were conducted under the United States Environmental Protection Agency Safe Drinking Water Act Administrative Orders SDWA 1-97-1019 (AO1) and SDWA-1-2000-0014 (A03).

Remedial investigation activities within the Northwest Corner were initially conducted as part of the comprehensive soil and groundwater characterization for the Gun and Mortar Firing Positions investigation. However, as a result of detections of perchlorate in private wells near the northwestern boundary of MMR, additional investigation of the general area including and surrounding Gun Positions GP-12, GP-14, GP-16, and GP-19 and the section of Canal View Road between GP-16 and GP 19 was proposed. This area has been designated the Northwest Corner. The Northwest Corner consists of the northwest corner of Camp Edwards, within an area loosely defined by Kirbe Road to the north and northeast, the power line easement south of Kendrick Road to the south and southeast, and the Cape Cod Canal to the west, as shown in Figure 1-1.

1.1 Purpose of Report

The Remedial Investigation presents a comprehensive summary of soil and groundwater characterization efforts undertaken to characterize the nature and extent of soil and groundwater contamination in the Northwest Corner. Using the results of these characterization efforts, the RI Report presents an evaluation of the nature and extent of soil and groundwater contamination and the risks associated with the contamination. The Feasibility Study section of this report presents the results of an in-depth evaluation of alternative remedial actions potentially applicable to the perchlorate and RDX groundwater plumes.

1.2 Investigation Scope and Objectives

The objective of the Northwest Corner investigation was to define the nature and extent of soil and groundwater contamination in the study area. Investigative activities conducted to achieve this objective have included soil sampling, geophysical surveys and magnetic anomaly excavations, installation of groundwater monitoring wells, and collection of groundwater samples from monitoring wells, boreholes, and private water supply wells. These activities are summarized below and are described in greater detail in Section 2.0.

Investigative activities within the Northwest Corner were initially conducted at Gun Positions GP-12, GP-14, GP-16, and GP-19 between 1997 and 2000 as part of the comprehensive soil and groundwater characterization for the Gun and Mortar Firing Positions. These investigations were conducted prior to the designation of the Northwest Corner as a specific area of interest. The results of these investigations were reported in Revised Draft Technical Memorandum 01-14 Gun and Mortar Firing Positions (AMEC, 2001a). Additionally, a focused investigation for perchlorate in soil at GP-16 was included as part of a supplemental investigation for a subset of gun and mortar positions in 2002 (AMEC 2002a). The results of this investigation were summarized in Attachment 1 to the Draft Final COC List for the Gun and Mortar Firing Positions (AMEC, 2002b).

In conjunction with the soil and groundwater characterization activities, the gun and mortar positions within the Northwest Corner were also addressed as part of the Munitions Survey Project. This effort was conducted to identify munitions burial pits or disposal areas at the positions. GP-16 and GP-14 were two of seventeen gun and mortar positions investigated in 1999 and 2000. The results of geophysical surveys conducted for this investigation are reported in the Munitions Survey Project Preliminary Draft Final Report (Tetra Tech, 2001). Results from anomaly excavation were reported in the Draft Munitions Survey Program Phase 3 Gun and Mortar Position Report (Tetra Tech, 2003b).

The characterization approach for the Northwest Corner was initially presented in a letter dated April 24, 2003 (AMEC 2003b) in response to the detection of perchlorate and RDX in off-site wells. The initial approach consisted of the installation of four monitoring wells upgradient of the detected perchlorate and RDX to identify source areas, sampling existing wells (both monitoring and non-monitoring wells) for perchlorate and explosives, and groundwater modeling to support source area identification.

Based on the initial results, the scope of the investigation was subsequently expanded in the August 14, 2003 Northwest Corner Project Note (USACE, 2003), the May 24, 2004 Project Note 2 – Northwest Corner (USACE, 2004), and the November 26, 2007 Northwest Corner Area Supplemental Soil Sampling Project Note (IAGWSP, 2007). The scope of work presented in Project Notes included

- additional soil sampling at relevant Gun Positions and along Canal View Road,
- a residential well survey,
- a groundwater elevation survey,
- groundwater sampling at existing monitoring wells and other wells within the Northwest Corner, and
- additional well installation to bound the Northwest Corner perchlorate plume to the east, north, and south and to evaluate the L-3 Range as a potential contributing source; and

This report incorporates all soil and groundwater data collected pursuant to the investigations described above and pertinent to the nature and extent of perchlorate and explosives contamination within the Northwest Corner. Data not collected specifically as part of the Northwest Corner Investigation but identified as potential sources of contamination associated with the Northwest Corner study area (i.e. L-3 Range, GP-12, GP-14, GP-16, GP-19, Former A Range, and Central Impact Area (CIA) are summarized in Section 2.4. The risk screening presented in Section 6.0 of this document includes an evaluation of all groundwater data collected within the study area. Similarly, all analytes detected in Northwest Corner soils were evaluated with respect to their potential to leach to groundwater, regardless of whether the results were associated with a particular site. The purpose of the leaching evaluation was to determine if constituents detected in soil have the potential to impact groundwater within a timeframe where they could commingle with the existing RDX and perchlorate plumes. A complete discussion and analysis of the soil analytical results for specific sites will be provided in the investigation report for each site. Specifically, gun & mortar position results will be evaluated as part of the Gun & Mortar RI/FS, Former A Range results will be evaluated as part of the Former A Range investigation, CIA results will be evaluated in the CIA RI/FS, and L-3 Range results will be evaluated as part of the Small Arms Range (SAR) RI/FS.

With respect to groundwater, 68 monitoring wells within the Northwest Corner have been monitored during this investigation. For the purposes of the investigation section of this report, the groundwater modeling evaluations discussed herein include groundwater results for all wells within the boundaries of the Northwest Corner received as of August 2005.

1.3 Report Organization

Section 2.0 provides background information on the Northwest Corner, including physical characteristics of the site, a summary of site history, and a summary of previous investigations conducted at the site. A description of the investigative activities conducted as part of the Remedial Investigation is presented in Section 3.0. Evaluation of groundwater and soil results is presented in Section 4.0. Section 5.0 presents the site conceptual model while the Risk Screening is summarized in Section 6.0. Investigation findings are presented in Section 7.0. Section 8.0 provides an introduction to the Feasibility Study. Section 9.0 identifies potentially applicable remedial technologies, and process options to address the groundwater plumes. Section 10.0 presents the development and initial screening of remedial alternatives and summarizes the associated groundwater modeling effort. Section 11.0 discusses the results of a detailed evaluation of those remedial alternatives selected as being most appropriate for the Northwest Corner. In Section 12.0, a comparative analysis of the results of the detailed alternative evaluation is performed and References are presented in Section 13.0.

2.0 SITE BACKGROUND

The Northwest Corner is adjacent to the northwest corner of Camp Edwards, within an area loosely defined by Kirbe Road to the north and northeast, the power line easement south of Kendrick Road to the south and southeast, and the Cape Cod Canal to the west, as shown in Figure 1-1. On base, this area encompasses the majority of the B-11 Training Area and the northern part of the B-9 Training Area. There are four separate gun positions within the Northwest Corner where artillery-training activities were formerly conducted: GP-12, GP-14, GP-16, and GP-19. L-3 Range, a former infantry squad and platoon combat firing range, is also located within this area. Properties downgradient in the Northwest Corner include residential and commercial properties in the Town of Bourne. The locations of these properties are labeled on Figure 2-1

2.1 Environmental Setting

2.1.1 Geography

MMR includes Camp Edwards, Otis Air National Guard Base, United States Coast Guard Air Station Cape Cod, Cape Cod Air Force Station, and the Veteran's Affairs Cemetery. MMR is located on the western side of Cape Cod, Massachusetts. The northern, non-cantonment area of the MMR is a wooded area on the Upper Cape that is largely undeveloped, but fringed with highways, homes, and other development (Cape Cod Commission, 1998). The predominant land use surrounding MMR is residential or commercial development. MMR is situated within/adjacent to four towns, Bourne, Sandwich, Falmouth, and Mashpee.

2.1.2 Cultural Setting

Land use near MMR is primarily residential and recreational, and secondarily agricultural and industrial. Portions of MMR are opened for deer hunting by permit from the Massachusetts Division of Fisheries and Wildlife. The major agricultural land use near MMR is the cultivation of cranberries. Commercial and industrial development in the area includes service industries, landscaping, sand and gravel pit operations, municipal landfills, and wastewater treatment facilities (USACE, 2002).

An archaeological survey covering 72 percent of Camp Edwards was conducted in 1987 to assess its archaeological sensitivity. A total of one historic site and 26 prehistoric sites were identified within Camp Edwards. Findings from these surveys indicate that humans inhabited the Camp Edwards area up to 10,000 years ago.

2.1.3 Ecological Setting

The northern two-thirds of MMR are characterized as undeveloped open area, while the southern third is characterized as developed land. The dominant vegetation types vary accordingly. The northern portion of MMR consists of forested uplands dominated by stands of pitch pine (*Pinus rigida*) and mixed oak species (*Quercus spp.*) with a diverse shrubby understory. Remnant vegetation in the southern portion of MMR consists of open grassland fields interspersed with scattered trees and shrubs. The present composition of these forests is a reflection of eighteenth-century logging practices, replanting strategies, and fire suppression activities. The other dominant cover type in this area consists of pitch pine and scrub oak barrens that are maintained by periodic fires (USACE, 2002).

There are 39 state-listed species observed on MMR. About half of these are lepidoptera (i.e., moths), such as Gerhard's underwing moth (*Catocala herodias gerhardi*), the barrens daggermoth (*Acronicta albarufa*), and Melsheimer's sack bearer (*Cicinnus melsheimeri*). State-listed plant species documented on MMR include broad tinker's weed (*Triosteum perfoliatum*), ovate spikerush (*Eleocaris obtusa var. ovata*), Torrey's beak-sedge (*Rhynchospora torreyana*), and adder's tongue fern (*Ophioglossum pusillum*). Rare bird species on MMR include the upland sandpiper (*Bartramia longicauda*), the grasshopper sparrow (*Ammodramus savannarum*), the vesper sparrow (*Pooecetes gramineus*), and the northern harrier (*Circus cyaneus*). These species are primarily associated with the grassland fields in the southern cantonment area. No threatened or endangered amphibians, reptiles, fish, or mammals are known to inhabit MMR; however, MMR does support a number of animals that are listed by the state as species of special concern. These include the eastern box turtle (*Terrapene carolina*), the Cooper's hawk (*Accipiter cooperii*), and the sharp-shinned hawk (*Accipiter striatus*) (USACE, 2002).

2.1.4 Climate

The climate for Barnstable County, where MMR is located, is defined as humid continental. The neighboring Atlantic Ocean has a moderating influence on the temperature extremes of winter and summer. Winds of 30 miles per hour may be expected on an average of at least one day per month. Gale force winds can be common and more severe in winter. Average monthly temperatures range from 29.6ºF in February to 70.4ºF in July, with a yearly average of 49.6ºF (USDA, 1993).

Mean annual rainfall is 48 inches per year including an average snowfall of 24 inches. Occasional tropical storms that affect Barnstable County may produce 24-hour rainfall events of 5 to 6 inches (NGB, 1990).

2.1.5 Geology

The geology of Upper Cape Cod is comprised of glacial sediments deposited during the retreat of the Wisconsin stage of Holocene glaciation. Four sedimentary units characterize the regional geology: the Buzzards Bay Moraine, the Sandwich Moraine, the Buzzards Bay Outwash and the Mashpee Pitted Plain. The sedimentary units are underlain by crystalline bedrock.

The Buzzards Bay and Sandwich Moraines lie along the western and northern edges of Camp Edwards, abutting in the vicinity of the Northwest Corner, as shown in Figure 2-2. Masterson et al. (1997, 1999 and 2000) report that the Buzzards Bay Moraine resulted from the meltwater deposition of sorted sediments within a stagnant ice margin overlying a basal till. The surface of the moraine is characterized by an abundance of boulders. The upper part of the Sandwich Moraine resulted from glacial deformation of material; the lower part consists of sandy sediments. Masterson et al, (1999) describe the moraine deposits as generally consisting of gravel, sand, silt and clay with locally poorly to moderately sorted sand and gravel. Numerous discontinuous lenses of fine-grained sediments, including laminated silts and unsorted debris flow deposits are also present in the moraines. The till in the lower part of the Buzzards Bay Moraine is comprised of sand, silt and clay, and scattered gravel in a compacted, unsorted matrix. Both moraines form the hummocky ridges characteristic of the northwest and north side of MMR. The Northwest Corner is characterized by the steepest and most irregular terrain at MMR; relief across the site is more than 50 feet.

The Mashpee Pitted Plain, which consists of fine- to coarse-grained sands forming a broad outwash plain, lies to the east and south of the moraines, interior to MMR. Masterson et al. (1997) report that the lower part of the Mashpee Pitted Plain consists of fine-grained, glaciolacustrine sediments comprised of fine sand, silt and clay. This laterally persistent facies can be encountered underlying the moraines. The Buzzard's Bay Outwash can be found along the west of the MMR boundary to the Canal and Buzzard's Bay. Like the Mashpee Pitted Plain, the Buzzard's Bay Outwash consists of coarse sand and gravel of deltaic origin with locally interbedded fine sand and silt.

Sediments encountered in boreholes of wells drilled in the Northwest Corner, including those downgradient of the base north of the Gallo Skating Rink, are consistent with the descriptions of the Sandwich Moraine. Coarse to medium sand and gravel is the predominant facies type in sediments encountered. Layers of fine-grained silty sands are dispersed intermittently within the unit, except in the vicinity of the Canal where the sediments are predominately fine-grained. South of the Gallo Skating Rink, the boreholes intercept the coarse sands and gravels characteristic of the Buzzard's Bay Outwash. Fine-grained layers are also encountered in these boreholes. The total thickness of these sedimentary units (and depth to bedrock) decreases from 280 ft to 150 ft from the eastern portion of the Northwest Corner west to the Canal.

2.1.6 Hydrogeology

Upper Cape Cod's freshwater reserve is supplied through an underground reservoir (the Sagamore Lens) that is part of the larger system of the Cape Cod Aquifer. The Sagamore Lens is underlain by low permeability bedrock, which is not a productive source of water. In the Northwest Corner, the Sagamore Lens ranges in thickness from 100 to 140 ft, thinning from east to west across the area. Depth to groundwater varies from approximately 120 ft on the northeastern portion of the site to less than 10 ft near the Canal.

Stone and Webster (1997, 1998) conducted a pumping test at well 95-15 in the vicinity of GP-19 in 1997. The transmissivity of the aquifer, determined from the pumping test at this location, ranged from 6,770 ft^2/day to 25,920 ft^2/day, with specific capacities estimated to be around 30 gpm/ft. These transmissivities are approximately half those characteristic of the aquifer within the Mashpee Pitted Plain in the central portion of MMR.

Synoptic water level surveys were conducted for the shallow wells in the Northwest Corner on the following dates: July 17, 2003, November 11, 2003, February 19, 2004, June/July 2004 and January 2006. In addition, a more limited water level survey was conducted in the immediate vicinity of GP-19 on October 8, 2004. Water table elevations calculated from these events are presented in Table 2-1. Water table contour maps of the elevation data are presented in Figures 2-3 through 2-7. The data indicate that groundwater flow from Canal View Road is generally northwest, approximately perpendicular to Cape Cod Canal. However, some datasets suggest that the groundwater flow direction in the upgradient portions (i.e. to the south and east) of the Northwest Corner has a more northerly trend than that observed near the Canal.

The average horizontal hydraulic gradient of the aquifer is approximately 0.0068 ft/ft. This gradient is approximately ten times steeper than the average gradient observed to the southeast near the top of the groundwater mound located in the east central portion of MMR. The magnitude of the horizontal hydraulic gradient increases with decreased distance to the Cape Cod Canal. For example the average gradient between the upgradient portions of the site and the Canal View Road wells is 0.0056 ft/ft while between the Canal View Road wells and the Canal, the average horizontal hydraulic gradient is 0.0076 ft/ft.

Vertical hydraulic gradients were calculated for the Northwest Corner by comparing the water elevations for monitoring wells installed in the same borehole. In general, the magnitudes of the observed vertical gradients from the water table to the middle portion of the aquifer vary across the site from 0.0001 ft/ft to 0.1 ft/ft. The low end (0.0001 ft/ft) represents a very low vertical gradient indicating essentially horizontal flow paths in the aquifer. The high end (0.1 ft/ft) represents a very high vertical gradient indicating significant vertical flow in the aquifer as would be expected in areas with upwelling such as near the Canal. The highest gradients are generally, though not exclusively, observed in wells near the Canal. The direction of the vertical gradients also varies across the site. The direction of the vertical gradient at wells near the Canal varies from upward to downward, perhaps due to tidal influence, while gradient directions at the more upgradient wells generally show a slight upward gradient. Only one well cluster is screened at the bottom of the aquifer. This well, MW-270, exhibits an upward vertical gradient (0.004 ft/ft) between MW-270D (screened above bedrock) and MW-270M1 (screened at the midpoint of the aquifer) and a downward gradient (-0.022 ft/ft) from MW-270S (screened at the water table) to MW-270M1. As noted below, it appears that tidal influence may explain some of the variability in water levels near the Canal.

In an effort to evaluate tidal influences on the vertical and horizontal gradients, water levels were measured in two Bourne Bridge wells (BHW216 and BHW218) and MW-270S, MW-270M1, and MW-270M2 at 10-minute intervals from June 24, 2003 to June 27, 2003. Hydrographs of the water elevation versus time for each well and in the Canal are presented in Figures 2-8a through 2-8c. The monitoring station at the Marine Traffic Control Center (MTCC), which is located at the railroad bridge, is the closest monitoring station to the Bourne Bridge. Tidal fluctuations were observed in all five wells with the largest fluctuations observed at BHW216 and BHW218. The tidal fluctuations at these two wells ranged from approximately 1.5 to 2.5 feet. The fluctuations at MW-270 were less than those observed at BHW216 and BHW218 which is expected given that BHW216 and BHW-218 are closer to the Canal than MW-270. The observed tidal fluctuations at MW-270 were approximately 0.2 feet at MW-270S, approximately 0.25 feet at MW-270M1 and approximately 0.4 feet at MW-270D. As shown in Figures 2-8a, b and c, a difference in the timing of the fluctuations was also observed at MW-270 with the cycles at MW-270S lagging the tidal cycle by 10 hours. MW-270M1 and MW-270D lag behind the tidal cycle by 2 and 3 hours, respectively. Because of the differences in the cycles, the vertical gradient in the upper part of the aquifer at MW-270 reversed from negative to positive 10 times during the monitoring period. The hydrographs indicate that the aquifer in the vicinity of the Bourne Bridge wells is strongly hydraulically connected to the Canal, while the aquifer at MW-270, particularly the shallow aquifer, shows less influence. This data emphasizes that the hydrogeology in the vicinity of the Canal is complex and may not be completely simulated by the existing groundwater model.

The groundwater elevation data collected in July and September 2003 were used to calibrate the regional model, MMR-10. The recalibrated model is MMR-10NW. Figure 2-7 shows a comparison of the most recent water table contour map developed from a synoptic water level survey in comparison to groundwater contours generated by MMR-10NW. In addition to the regional model, a more finely discretized subregional model was developed from the regional model for the purposes of modeling fate and transport. Development of this model is presented in Section 3.6.

A groundwater flow velocity was calculated by two methods: 1) using the MMR-10NW groundwater model and 2) using average aquifer characteristics. Groundwater velocity predicted by the model between MW-279 and the Canal is 2.5 ft/day or a travel time of 3.9 years. To estimate the velocity-based aquifer parameters, the average transmissivity of 15,000 ft^2/day, is divided by an average aquifer thickness of 120 ft, and multiplied by a hydraulic gradient of 0.0068 ft/ft between the Canal and MW-279, and divided by an effective porosity of 0.32. The result of 2.7 ft/day or travel time of 3.5 years to the Canal from MW-279 is comparable to the velocity predicted by the MMR-10NW regional groundwater model.

2.2 Site Background and Use

The majority of the Northwest Corner of Camp Edwards falls within Training Area B-11. The section south of Kendrick to the power line that runs west to east from Canal View Road to Kendrick Road is the north part of Training Area B-9. Canal View Road bounds the western side of both these training areas. The area termed Canal View Road in this report includes the entire cleared area east of the road proper, an approximate width of 150 feet, and is the easement for the power lines that run north/south along the base boundary. Military vehicles use the entire width of the easement for passage. Available documentation summarized in the Archive Search Report (USACE, 1999) indicated Camp Edwards training areas were used for small unit maneuvers, training and bivouacs. Expected munitions use in the areas is specified as small arms blank rounds, smoke grenades, and various forms of pyrotechnics. The most common items found in these areas since 1981 were reported to be grenade simulators and artillery simulators. Some military pyrotechnics and simulators contain ammonium and potassium perchlorate, barium and strontium nitrates, metals, hexachloroethane, and dyes.

Ammonium and potassium perchlorate components of some military pyrotechnics are as follows:

Item	Component	Total Perchlorate
Illumination signals	delay, illumination, ignition and star compositions	1.25 – 18 g
Smoke pots	delay assembly composition	0.004 g
Smoke grenades	fuze ignition composition	0.004-2.3 g
Simulators	flash, whistle and flare compositions	1.02-29.75 g

A comprehensive list of pyrotechnics and simulators used at Camp Edwards containing perchlorate is provided in Table 2-2. Although a strong oxidizing agent and very reactive in a solid state, the perchlorate anion is very stable once in solution, reducing only slowly to a chlorine ion. Perchlorate salts are highly soluble with aqueous solubilities for potassium perchlorate and ammonium perchlorate being 15,000 and 200,000 mg/L, respectively (Ashford, 1994). The perchlorate anion has a low affinity for adsorption onto soils, particularly those with low organic content, such as present at Camp Edwards. Due to a high solubility, low affinity for adsorption to aquifer solids with low organic content, and a limited tendency to interact with other chemical species, perchlorate is highly mobile in groundwater. Site data from the Central Impact Area and Demo Area 1 have indicated that perchlorate readily leaches through the vadose zone to groundwater, leaving little residual soil contamination (on the order of 10 micrograms per kilogram [µg/Kg]), and migrating with groundwater flow at the approximate velocity of groundwater.

Four of the 24 Camp Edwards gun positions (GP-12, GP-14, GP-16 and GP-19) are located in the Northwest Corner. In their present condition, each of the positions is flat and sparsely vegetated with grasses and shrubs. The size of the gun positions are approximately 1 acre (both GP-12 and GP-14), 3 acres (GP-16) and 6 acres (GP-19). These positions were used to fire artillery rounds at targets located in the main Camp Edwards Impact Area. The most common rounds fired from these positions were inert and high explosive 105mm and 155mm projectiles. Range-use regulation logs and maps showing Camp Edwards training areas and ranges indicate GP-16 was used for training from the late 1950's to 1997, GP-14 was used for training from 1970 to 1997, and GP-12 was used for training from 1973 to 1997. There is no record of use of GP-19 for artillery firing in the range use logs, however, based on aerial photographs, this gun position is believed to have been established before 1943 and was used into the early 1970s. Since the 1970s, GP-19 has been used as a training site for the operation of earth moving equipment. Firing of HE artillery rounds at all positions was discontinued in 1989. Low intensity training rounds (LITR) or inert artillery rounds were fired at Camp Edwards until 1997.

Prior to 1989, excess propellant bags used to fire rounds were collected and burned on the ground at the rear of each gun position. There is one personal account that propellant bags were buried at the gun positions. Beginning in 1989 and continuing until 1997, the excess propellant bags were collected and sent off-site for recycling. Another activity conducted at the gun positions was the cleaning of artillery pieces with solvents. Phase I and II(a) investigations of the gun and mortar positions evaluated potential impacts from both propellant burning and artillery barrel cleaning. The results of these investigations are summarized in Section 4.1 and discussed comprehensively in the Revised Draft Technical Memorandum 01-14, Gun and Mortar Firing Positions Report (AMEC, 2001a).

Another location where military activities may have occurred in the Northwest Corner is the area south of GP-16. This area, depicted in Figure 2-9, was identified from a 1977 aerial photograph. As shown in the figure, the approximate 0.7-acre area is oval-shaped and defined by a perimeter road that forms a boundary on the north, east and south sides. The road is less distinct on the west side, but appears to join with Canal View Road. The figure also shows an indistinct road that provided access to the area from the east; this access road is still traceable in the field. No information has been identified on the use of the area south of GP-16. A reconnaissance of the perimeter of the site conducted in July 2003 revealed an indistinct roadway that had been significantly overgrown. No debris of any kind or remnants of activities were found during the reconnaissance of the area that might be indicative of past use.

One former small arms range, L-3 Range, is located in the Norwest Corner. There is very little information available on the historical use of L-3 Range, which is located north of Cat Road and west of Jefferson Road, as shown in Figure 2-1. As discussed in the Archive Search Report (USACE, 1999), a 1949 map indicates this range was one of four infantry squad and platoon combat firing ranges, used in the 1940's and possibly early 1950's. Available documentation does not provide any information regarding the purpose or layout of the range or ordnance use. However, the USACE surmised that the range was used for firing of small arms rounds.

In addition to reports of munitions use in the Northwest Corner, Camp Edwards' personnel have observed commercial fireworks debris at GP-19 and along Canal View Road between GP-19 and GP-16, after a nearby fireworks display. Photographs and written documentation of fireworks debris were made by a field sampling team on July 7, 2003 while conducting soil sampling along Canal View Road. The fireworks debris observed in July of 2003 consisted of paper from expended mortar shells. The fireworks launching area is approximately 650 feet northwest of GP-19. The fireworks displays were conducted at this location annually from 1996 to 2003. The location of the displays prior to 1996 is not known.

Constituents of fireworks are primarily perchlorate, nitrates and metals. With the exception of the 2002 event, the type and quantity of fireworks used during each of the events is not known. A breakdown of the fireworks used during the 2002 event is summarized below. A complete listing of fireworks used in 2002 is presented in Appendix B.

Breakdown of Fireworks Used in Bourne 2002
Independence Day Fireworks Display

Shell Size	Quantity	Shell Size	Quantity
1-inch	1408	5-inch	102
2-inch	708	6-inch	123
3-inch	557	8-inch	24
4-inch	227	10-inch	8

Typical commercial fireworks consist of a tightly wrapped paper shell fitted with a lifting charge. The lifting charge is composed of black powder (predominately potassium nitrate) that is ignited to force the shells out of the launch tubes or mortars. In multiple-break fireworks, stars, which create the aerial fireworks display, are arranged in separate cardboard compartments called breaks. Each compartment has a bursting charge, also composed of black powder. Ignition of the bursting charge ignites and releases the stars from the breaks. One multi-break firework shell may contain hundreds of stars. Sound charges accompanying the ignition of a break are composed of perchlorate mixtures. Stars contained in the breaks are composed of potassium perchlorate (which functions as the oxidizing agent); metals and metal compounds (used in the stars to produce the colored flames); and binding agents. Typical coloring agents include: magnesium or aluminum for white, sodium salts for yellow, strontium nitrate or carbonate for red, barium nitrate for green, copper salts for blue, and calcium carbonate for orange.

A typical formulation for a red star (Brain, 2004) includes 67% potassium perchlorate by weight. Assuming a mass of 0.9 Kg (see Appendix B Table 2), a single 6-inch red star shell would contain approximately 600 mg (1.3 lbs) of potassium perchlorate.

2.3 Summary of Initial Investigations

2.3.1 Phase I and II(a) Investigations

Phase I and II Investigations at GP-12, GP-14, GP-16, and GP-19 were conducted from October 1997 through April 2002 as part of the investigations of the Gun and Mortar positions. These investigations included both soil sampling and monitoring well installation and groundwater sampling.

Soil sampling was conducted using nine-point composites from 30 ft by 30 ft grids during the Phase I Investigation and using five-point composites from 22 ft by 22 ft grids during the Phase II and subsequent investigations. Soil sampling grids were spaced evenly around each of the gun positions: 3 grids each at GP-12 and GP-14, 17 grids at GP-16, and 18 grids at GP-19. Soil samples, composited from 5 nodes at each grid, were collected at 0 to 0.5 feet below the ground surface (ft bgs) and 1.5 to 2.0 ft bgs. The composite soil samples were analyzed for the standard Phase I analyte list including: SVOCs, metals, explosives, pesticides/PCBs, and herbicides. One discrete sample from one node on each grid, selected based on the highest VOC screening result, was analyzed for VOCs. Analytical results of the sample analyses were presented in the Revised Draft Technical Memorandum 01-14, Gun and Mortar Firing Positions Report (AMEC, 2001a). Explosives compounds were detected in soil at GP-12, GP-16 and GP-19, including 2,4-dinitrotoluene (2,4-DNT) at GP-12 and GP-16. There were no detections of hexachloroethane, hexachlorobenzene, or RDX in any sample.

Monitoring well clusters (3 well screens at each cluster) were installed to monitor groundwater quality downgradient of both GP-14 (MW-65S, 65M2, and 65M1) and GP-16 (MW-66S, 66M2, 66M1). The wells were drilled with profile samples of groundwater being collected at 10-foot intervals in the borehole during drilling. The samples were analyzed for explosives and VOCs. One water table well was installed at both positions; the two other well screen intervals were set at depths based on the results of the profile sampling. Between 1999 and 2000, four rounds of groundwater sampling were conducted for the six well screens installed at GP-14 and GP-16 for the following parameters:

- Explosives (Method 8330)
- Volatile Organic Compounds (Method OLC 02.1)
- Semi-volatile Compounds (Method 8270)
- Ethylene Dibromide (EDB) (Method 504.1)
- Methyl tertiary butyl ether (MTBE) (Method 8021W)

- Pesticides and PCBs (Method OLC 02.1)
- Herbicides (Method 8151)
- Cyanide (Method (Method ILM04.1)
- Metals, including mercury (Method ILM04.1)
- Hardness as $CaCo_3$ (Method IM40HD)
- Nitrogen Ammonia (Method 350.2M)
- Nitrate/Nitrite (Method 353.2)
- Chloride and Sulfate (Method 300.0)
- Alkalinity (Method 310.1)
- Phosphorus (Method 365.2)

Perchlorate (Method 314.0) was added to the analyte list for MW-65S and MW-66S for the fourth round (August 2000) at a method detection limit of 1.5 µg/L.

The data from these four sampling rounds was reported in the Revised Draft Tech Memo 01-14 (AMEC, 2001a). None of the detections in groundwater samples from the six wells were in excess of promulgated drinking water standards. In addition, no explosives compounds or perchlorate were detected. A table of analytical results for groundwater sampling at MW-65 and MW-66 is provided in Appendix A.

Perchlorate was detected in the August 2001 groundwater sample from MW-66S at a concentration of 1.9J µg/L. This detection was the impetus for a more focused investigation of perchlorate at GP-16 and the Northwest Corner. Explosives and perchlorate data collected from the MW-65 and MW-66 monitoring wells beginning in 2001 are discussed in Section 4.0

2.3.2 Munitions Survey Project Phases I and III

MSP Phase I was conducted in February 2000 to identify subsurface magnetic anomalies at five areas at Camp Edwards. Sixteen gun and mortar firing positions, including GP-14 and GP-16, were evaluated collectively as one of the five areas. The investigation was conducted by collecting geophysical data at the positions with two types of sensors: a Geonics Ltd. EM61 electromagnetic induction sensor (EM61) and a cesium vapor magnetometer (CVM). A complete discussion of the results of the investigation, are provided in the Munitions Survey Project Phase I Report (Tetra Tech, 2001).

As part of the MSP Phase III investigation, as described in the MSP3 Gun and Mortar Positions Final Supplemental Investigation Workplan (Tetra Tech, 2003a), additional anomaly excavation was conducted at seven gun and mortar positions and associated trails, including GP-16. Excavation of all anomalies at GP-16 and the GP-16 trails above the background signal strength of 2mV for the EM61 and 18nT/m for the CVM was conducted in 2003. The partial completion of the excavation activities at this position and other positions were reported in the Draft MSP3 Gun and Mortar Positions Geophysical Investigation Report (Tetra Tech, 2003b). A second phase of anomaly excavation was completed at GP-16 in October and November 2003, subsequent to the submittal of the Draft MSP3 report. The findings of this additional excavation activity were summarized in March 2004 (Tetra Tech, 2004) as revised sections to the Draft MSP3 Report. A summarized list of the items excavated from the remaining anomaly locations is included in Appendix A. A total of 360 anomalies identified in the MSP I geophysical survey were excavated at GP-16 and the associated trails. Items were identified in three burial locations at GP-16, associated with the following anomalies:

C001	Nine Supplemental Charges, 0.25 lb TNT Filler
C002	Three Supplemental Charges, 0.25 lb TNT Filler
M112	5.56mm Cartridge Blanks, M200 (210 each)

Supplemental charges are comprised of bulk TNT cased in thin aluminum. These charges are used as an intermediary between the fuze and main charge in a projectile to insure detonation of the explosive train. Soil samples (GP.16.F.001.1.0 and GP.16.F.002.1.0) were collected from anomaly locations C001 and C002 and analyzed for explosives. Explosives compounds, including TNT, were not detected in either sample.

As part of the second phase of anomaly excavation at GP-16, a less than 1 cubic foot volume of burned soil, associated with wire and can pieces, was encountered at Anomaly M082. A sample (HD16R1AAA) was collected of the burned soil on 11/26/03 and analyzed for explosives, perchlorate, SVOCs, VOCs, and metals. Perchlorate was not detected in the sample from Anomaly M082, nor were any explosives compounds detected using EPA Method 8330. 2,4-Dintrotoluene (23 J µg/Kg) was detected in the soil sample from M082 using EPA Method SW8270. Three other SVOCs, eighteen metals and eight VOCs were also detected in the soil sample from M082. None of the soil sample results from the three anomalies are indicative of significant releases of contaminants to the positions.

Conclusions of both the MSP and MSP3 Gun and Mortar firing positions investigations indicate that the majority of items buried at the gun positions, including GP-16, were scrap. These items do not present a significant threat of a release to soil or groundwater.

2.4 Interrelationship with Other Study Areas

The Central Impact Area, Gun and Mortar Positions, Former A Range, and L-3 Range are interrelated to the Northwest Corner. The Central Impact Area is located directly upgradient of the Northwest Corner and deep groundwater plumes originating in the Central Impact Area have the potential to impact groundwater beneath the Northwest Corner. Former A Range, an old anti-tank artillery and rocket training range is also located upgradient of the Northwest Corner. L-3 Range, a former Small Arms Range, is located within the Northwest Corner. The Gun and Mortar Positions include four gun positions that are located within the Northwest Corner. The investigation history and the current status of investigations at these areas are presented below.

2.4.1 Gun and Mortar Positions

As described above, investigations of the Northwest Corner were initially conducted as part of the Gun and Mortar Investigations. Gun Positions GP-12, GP-14, GP-16 and GP-19 are located within the Northwest Corner. Phase I and II Investigations of the Gun and Mortar Positions, which included soil sampling, monitoring well installation, and groundwater sampling, were conducted between 1997 and 2000. The results of these investigations were reported in Revised Draft Technical Memorandum 01-14 Gun and Mortar Firing Positions (AMEC, 2001a). An evaluation of perchlorate was not conducted during the Phase I and II Investigations as this compound was not identified as a potential compound of interest. Consequently, a supplemental investigation for a subset of gun and mortar positions was completed in 2002 to evaluate the presence of perchlorate in soil (AMEC 2002a). The results of this investigation were summarized in Attachment 1 to the Draft Final COC List for the Gun and Mortar Firing Positions (AMEC, 2002b). Further investigation results and analysis of all results at all gun and mortar positions will be presented in a separate report.

2.4.2 Central Impact Area

The Impact Area is an approximate 2,200-acre area located southeast of the Northwest Corner that contains targets for artillery and mortar firing. For nearly ninety years, the Impact Area has received ordnance such as small arms, artillery and mortars. Use of high explosive rounds was discontinued in 1994 and all firing into the Impact Area ceased in 1997. The Central Impact Area is an approximate 330-acre subunit of the Impact Area which has been identified as a source of groundwater contamination (AMEC 2001b). Investigation results will be addressed in the Central Impact Area Investigation Report.

Explosives and perchlorate are detected in groundwater within and downgradient of the Impact Area. Explosives compounds (RDX, 2A-DNT, 4A-DNT, HMX and TNT) and perchlorate have been identified as the primary contaminants of concern (AMEC 2004a). As discussed in this document, HMX, 2A-DNT, 4A-DNT, and TNT are not detected in groundwater at the Northwest Corner and the perchlorate plume observed in the Northwest Corner is too shallow to be related to the CIA plumes. However, a narrow RDX plume has been observed deeper within the aquifer. In addition, low concentrations of perchlorate (around 1 µg/L have been detected deeper in the aquifer. The RDX plume and the deeper perchlorate detections appear to be associated with activities conducted at the CIA, based on particle backtrack information.

2.4.3 Former A Range

The Former A Range, is an old anti-tank artillery and rocket training range constructed in 1941. Former A Range functioned as an anti-tank artillery and rocket training site up until the 1960s. Records indicate that ordnance used during this period included 37mm armor-piercing and high explosives rounds, 40 mm armor-piercing and high explosive rounds, 75 mm high explosive and shot rounds, 90 mm anti-aircraft rounds, and 3.5-inch practice rockets. Between the early 1960s and mid-1970s, the range was converted for machine gun training, although it is not clear how the range was configured. Records indicate that .50 caliber ball and tracer rounds were used at that time. No documentation has been discovered that describes training activities at this range after the mid-1970s.

Though explosives related compounds have not been detected in the well (MW-206S, M1) installed within the Former A Range target area, TNT and its breakdown products have been detected in one well (MW-249M3) for which the particle backtrack originates in the Former A Range target area. In addition, RDX has been detected in wells located downgradient of the Former A Range (MW-206M1 and MW-249M2) at depths which track back to locations outside the target area. The source of this RDX is as yet undetermined as the primary explosives compounds detected in soil at this range were TNT and its breakdown products.

2.4.4 L-3 Range

The L-3 Range, is an inactive small arms range, located in the Northwest Corner of Camp Edwards. Although there is very little information available on the historical use of this range, a 1949 map indicates that the range was one of four infantry squad and platoon combat firing ranges. In October 2001, a site reconnaissance inspection of the L-3 Range was conducted as part of the Phase IIb investigation, to confirm historical information on specific training site configuration, search for physical evidence of past training activities, and to select suitable sampling locations, if deemed necessary. Several sites, including the L-3 Range, were removed from subsequent investigation because no obvious or suspected adverse environmental impacts due to past training activities were observed during the site inspection.

3.0 SUMMARY OF REMEDIAL INVESTIGATION

As discussed in Section 2.0, investigation of the Northwest Corner was initially conducted as part of the Gun and Mortar Firing Positions investigations beginning in 1998. With the detection of perchlorate in MW-66S at GP-16 in August 2001, a focused investigation was initiated in the Northwest Corner specific to perchlorate. This included sampling of soil at GP-16 for perchlorate and the sampling of off-base private wells that were located west of GP-16, although cross gradient. These private wells included 4036011, a Community Water Supply Well and 4036009DC a decommissioned water supply well. Locations of the wells are shown on Figure 3-1.

In December 2002, perchlorate was detected in well 4036009DC at a concentration of 5.26 µg/L. As a result, investigation of the Northwest Corner expanded to include plume delineation and source characterization. Monitoring well installation and sampling, identification and sampling of off-base wells, and soil sampling were conducted in 2003 specifically to determine the extent of perchlorate in groundwater and soil in the Northwest Corner. The area of investigation included off-base areas located mainly on USACE-managed property along the Cape Cod Canal. RDX was also a contaminant of concern due to its detection in well 4036011 in an August 2002 sample.

The specific sampling events conducted to assess the nature and extent of contamination within the Northwest Corner study area are outlined in the following sections.

3.1 Soil Sampling

Several soil sampling events were conducted in the Northwest Corner, as listed below. The specific analyses conducted in each area for each event are summarized in Table 3-1. The sampling events are summarized as follows:

- June 2002 Sampling Event: at GP-16
- July 2003 Sampling Event: along Canal View Road
- September-October 2003 Sampling Event: in the area south of GP-16, along Canal View Road, and at GP-19
- December 2003 Sampling Event: in the area south of GP-16 and along Canal View Road
- August/October 2004 Sampling Events: Sampling at the L-3 Range, GP-14, GP-12, GP-19, and along Canal View Road
- April 2008 Multi-increment Sampling Event

Soil sampling was conducted in accordance with procedures specified in the Draft Quality Assurance Project Plan, Appendix B, S-6 (AMEC, 2003a). Most soil samples were analyzed for perchlorate (Method 314.0 modified). Other analyses were completed for individual samples as specified in the following sections. The 2008 sampling was conducted following the procedure developed by ERDC/CRREL for multi-increment sampling (Jenkins, et al. 2004).

3.1.1 June 2002 Sampling Event

Because the Phase I and II investigations did not evaluate the presence of perchlorate, a supplemental investigation consisting of soil sampling for perchlorate at a subset of gun and mortar positions was conducted in 2002 (AMEC 2002a). GP-16 was one of the gun and mortar positions evaluated in this investigation. In June 2002, composite soil sampling was completed at GP-16 for the 0 to 0.5 ft bgs and 1.5 to 2 ft bgs intervals at seven previously sampled grids (Figure 3-4). Analytical results are summarized in Section 4.1.1.

3.1.2 July 2003 Sampling Event

Soil sampling along Canal View Road was conducted on July 2 and July 7, 2003 to assess the potential impact of a nearby annual fireworks display, conducted on July 5, 2003. The sampling was conceived as the result of reports from base personnel that debris had been observed at GP-19 and along Canal View Road after the firework displays of previous years.

The fireworks were launched from an area approximately 650 ft west of GP-19. There was no precipitation recorded between the time of the fireworks display and soil sampling events. As shown in Figure 3-6, the prevailing wind direction for July 5th was 220 degrees, which is from the southwest toward the northeast. This was within the range of prevailing wind directions between July 3rd and July 5th since 1997. During collection of the soil samples on July 7, 2003, sampling personnel noted the presence of fireworks debris; predominately paper mortar shell casings, along Canal View Road and in the vicinity of the sampling locations, as indicated on Figure 3-6. Analytical results are presented in Section 4.1.2.

Grab soil samples (0 to 0.08 ft bgs) were collected from nine locations (199A through 199I) along Canal View Road between GP-19 and GP-16 and one location at GP-19 (199J). The sampling locations were pre-selected at evenly spaced points along the road. The sampling locations are shown in Figure 3-6.

3.1.3 September/October 2003 Sampling Event

Soil sampling along Canal View Road, at GP-19 and an area south of GP-16 was conducted between September 18 and October 1, 2003 to further assess the distribution of perchlorate in soil. Soil samples were collected in the 14 grids and six grab locations at GP-19, four grids located in the area of south of GP-16 (Area 200) and 11 grids along Canal View Road (Area 199). Samples from the grids were collected from 0 to 0.5 ft bgs and 1.5 to 2.0 ft bgs. Samples from the grab locations were collected from 0 to 0.5 ft bgs and analyzed for perchlorate. Analytical results are presented in Section 4.1.

3.1.4 December 2003 Sampling Event

As a follow-up to the sampling conducted in September and October, additional sampling was completed in December 2003, at sampling locations with the highest concentrations of perchlorate along Canal View Road (199E and 199G) and at one grid in the area south of GP-16 (200A). The sampling was completed to assess the possibility that constituents related to military-pyrotechnics may be present in the soil associated with the perchlorate detections. The three grids were sampled for SVOCs (to detect hexachloroethane, a constituent of smoke pots) and dyes (Method 8321D). Samples from the grids were collected from 0 to 0.5 ft bgs and 1.5 to 2.0 ft bgs.

3.1.5 August/October 2004 Sampling Events

In August and October 2004, additional soil sampling was conducted at several areas within the Northwest Corner. The goal of the additional soil sampling was to evaluate potential source areas which had not been previously investigated (L-3 Range and soil piles at GP-19), to collect perchlorate data from areas previously investigated, but not characterized for perchlorate (GP-12 and GP-14), to monitor temporal changes in perchlorate concentrations in soil at Canal View Road and the Area South of GP-16, and supplement existing data at the Gun Positions with additional data on the distribution and concentrations of propellant compounds. Analytical results for the sampling events are discussed in Section 4.1 and presented in Appendix A.

GP-14 (Area 54)

Composite soil samples were collected at 12 new grid locations at GP-14 (54D through 54O). Samples at each location were collected from 0 - 0.5 ft bgs and 1.5 - 2.0 ft bgs and analyzed for perchlorate and SVOCs. The SVOC analysis was conducted to assess the distribution of propellant constituents, resulting from the use of GP-14 as a gun position. Grid locations are depicted on Figure 3-3. Analytical results are presented in Section 4.1.1.

GP-12 (Area 62)

Composite soil samples were collected at the three previously sampled grid locations (62A through 62C) and five new sample grid locations at GP-12 (62D through 62H). At each location, samples were collected from 0 - 0.5 ft bgs and 1.5 - 2.0 ft bgs analyzed for perchlorate. The samples from the five grids not previously sampled (62D through 62H) were also analyzed for SVOCs to assess the distribution of propellant constituents, resulting from the use of GP-12 as a gun position. Grid locations are depicted on Figure 3-2. Analytical results are presented in Section 4.1.1.

Soil Piles at GP-19 (Area 66)

Grab soil samples were collected at four locations at soil piles located on the northeastern corner of GP-19. Samples were collected from 0 - 0.5 ft bgs and at a depth of approximately 3 feet bgs at each location and analyzed for perchlorate. Soil pile and sample locations are depicted on Figure 3-5. Analytical results are presented in Section 4.1.1.

Canal View Road (Areas 199)

Additional soil sampling was conducted along Canal View Road in August 2004 to continue monitoring of temporal changes of perchlorate in soil. Soil samples were collected from grids 199E and 199G, which were previously sampled in July 2003 and September 2003. Composite soil samples were collected from 0 - 0.5 ft bgs and 1.5 - 2.0 ft bgs at each grid location and analyzed for perchlorate, metals, and explosives. The sample locations are depicted on Figure 3-6. Analytical results are presented in Section 4.1.2.

Area South of GP-16 (Area 200)

In association with the sampling at Canal View Road in August 2004, soil samples were collected from grid 200A at the Area South of GP-16. The sampling was conducted to continue monitoring of temporal changes of perchlorate in soil in the Northwest Corner. This grid was previously sampled for perchlorate in September 2003. Composite soil samples were collected from 0 - 0.5 ft bgs and 1.5 - 2.0 ft bgs at each grid location and analyzed for perchlorate, metals, and explosives. The sample location is depicted on Figure 3-6. Analytical results are presented in Section 4.1.3.

L-3 Range Sampling (Target Pits, Soil Piles)

Soil sampling was conducted at the L-3 Range in October 2004 to evaluate the potential for this area to be a source area for perchlorate in groundwater and as a source for contaminants in soil (metals and SVOCs) associated with the use of the area as a small arms range. Surface soil samples were collected at the eight Target Pits (TP-1 through TP-8) from 0 - 0.5 and 1.5 - 2 ft bgs for the analysis of perchlorate, metals and SVOCs (208AB through 208HB).

Following surface soil sampling, UXO clearance and anomaly excavation was conducted at each target pit and a 25 ft radius around the pit using an all-metals detector. The only item identified during the clearance was a partially filled box of 192, 30 cal M1909 blank cartridges at TP-3. No burn areas, areas of staining, or leaking munitions were encountered during the UXO clearance survey. Samples were collected from the areas identified as having the highest bullet/fragmentation density (208AB through 208HB). Discrete samples were collected from 0-0.5 ft bgs and 1.5 - 2.0 ft bgs and submitted for the analysis of total metals and TCLP metals.

In addition to the samples at the L-3 Range Target Pits, soil samples were also collected from each of three soil piles north of L-3 Range and south of GP-14 (208I through 208K), from one location in the path from GP-16 to L-3 Range (208L) and from three locations (208M through 208O) identified during a site visit. Samples were collected from 0-0.5 ft bgs and 1.5-2.0 ft bgs from 5-point grids at each location and analyzed for perchlorate. Analytical results are presented in Section 4.1.4.

3.1.6 2008 Multi-increment Sampling

In April 2008 a supplemental soil sampling effort was conducted at two areas in the Northwest Corner. Soil samples were collected from two areas, Canal View Road (SS199) and the Area South of GP-16 (SS200), at which the highest soil perchlorate concentrations were observed during the previous 2003 sampling round. During the 2008 effort, 30-point multi-increment samples (MIS) were collected following the methodology developed by ERDC/CRREL. Samples were collected from two depth intervals (0-5 ft and 1.5-2.0 ft) at a total of nine locations within SS199 and SS200. Previously in 2003, samples were collected at SS199 and SS200 as discrete samples and 5-point composites.

3.2 Fireworks Debris Sampling

Three samples of fireworks debris were collected in September 2003 and analyzed for perchlorate in October 2003. The samples were composited from single layers of paper peeled from the inside of mortar shell casings collected two months after the local fireworks display between sampling locations 199F and 199G (FWDEBRIS01 and FWDEBRIS02) and between sampling locations 199G and 199H (FWDEBRIS03) along the Canal View Road clearing. These debris samples were analyzed for perchlorate using the soil analytical method (E314.0). Analytical results are presented in Section 4.2.

UXO technicians participating in the debris collection effort confirmed that the materials were not from military ordnance. This identification was made based on the type and shape of the debris, which consisted of wedges of paper and string in concave sections, rather than a metal housing with elongated shape, which is characteristic of most military pyrotechnics. The UXO technicians indicated that the observed debris was also not consistent with the debris that would be derived from the use of the six simulators known to be used at MMR (including explosive booby traps, hand grenades, ground burst projectiles and explosive detonation simulators), which have cylindrical tube bodies comprised of Kraft Paper. According to the National Weather Service, 8.75 inches of precipitation was recorded at the Otis Air Force Base Station, between July 7th and when the fireworks debris samples were collected in September.

3.3 Well Installation and Groundwater Sampling

The investigative approach to characterize the groundwater in the Northwest Corner consisted of identifying and sampling existing wells and subsequently installing additional monitoring wells to fill data gaps. Six residential wells, two commercial wells, twenty-five existing monitoring wells and one water supply well (abandoned in 2004) were identified within and downgradient of the Northwest Corner. To date, forty-five new monitoring wells have been installed at twenty-one drilling locations. Groundwater samples have been collected in at least one round from each of these 70 wells and analyzed for perchlorate (Method 314.0) and explosives (Method 8330). A summary of groundwater sampling activities is presented below.

3.3.1 Monitoring Wells

Where available, historical data from existing monitoring wells installed to support other investigations were used to evaluate the nature and extent of perchlorate and explosives contamination. These samples were collected in conjunction with the Site-Wide Perchlorate Characterization Program and the former site-wide Long Term Groundwater Monitoring program. In conjunction with the former monitoring program, several existing wells within the Northwest Corner have been sampled for other analytes in addition to perchlorate and explosives. Monitoring wells MW-65 and MW-66, 95-15A, 95-15C, 95-6A, 95-6B and 95-6ES have been sampled for Phase I analytes, VOCs, SVOCs, metals, pesticides and herbicides. Existing monitoring wells which had not been sampled for perchlorate and explosives in conjunction with these programs were sampled for perchlorate and explosives in conjunction with the Northwest Corner Investigation. Well locations are presented on Figure 3-1 and well construction information is summarized in Table 3-2.

Existing monitoring wells for which perchlorate and explosives data was obtained included the following:

- twelve monitoring wells located near the MMR boundary (95-6A, 95-6B, 95-6ES, 95-6ED, 95-13, 95-15, 95-15A, 95-15B, 95-15C, 95-15E, 95-16, and CMW-1);
- three water table monitoring wells (HW-1, HW-2 and HW-3) at the Gallo Skating Rink;
- four monitoring wells (BHW-216, BHW-217, BHW-218, and BHW-220) installed by USGS near the base of the Bourne Bridge; and
- six IAGWSP wells (MW-65S, M2, M1 and MW-66S, M2, M1), installed at GP-14 and GP 16, respectively, as part of the Gun and Mortar Positions investigation.

With the exception of the IAGWSP wells at locations MW-65 and MW-66, sampling of the existing monitoring wells, not included as part of the Site-Wide program, was conducted as discrete events in March 2003 and May 2003.

Beginning in May 2003, 45 monitoring wells were installed at 21 locations in the Northwest Corner (Figure 3-1). Profile sampling was completed at each well location during drilling. Profile sampling consisted of collecting groundwater samples directly from the well borehole at 10-foot intervals. Profile samples were analyzed for explosives (Method 8330) and perchlorate (Method 14.0). Well construction details are presented in Table 3-2. The new wells were sampled once every three months after well installation, for three rounds. When three rounds were completed, groundwater sampling was conducted in accordance with the schedule specified in the former Long Term Monitoring Plans (AMEC 2005a and 2005c) and the Draft Northwest Corner Interim Groundwater Monitoring Plan (AMEC, 2005b).

The general goal of the well installations was to define the vertical and lateral extent of perchlorate and RDX contamination observed in groundwater in the Northwest Corner. Table 3-3 summarizes the rationale for installing wells at each location and the rationale for selecting specific screen intervals.

3.3.2 Residential Wells

In April 2003, six private residential wells (RSNW01 through RSNW06) were identified. Of these six wells, RSNW01, RSNW02, RSNW03 and RSNW06 are located downgradient in the Northwest Corner. RSNW04 and RSNW05 are located near the Bourne Bridge, well outside the Northwest Corner Study Area.

At the time the residential wells were identified, five of the identified wells (RSNW01, RSNW02, RSNW03, RSNW04, and RSNW05) were used as private drinking water supply wells while one well (RSNW06) was used for irrigation only. In September 2004, three of the residential wells (RSNW01, RSNW02, and RSNW03) were disconnected and the residents connected to the public water supply operated by the Bourne Water District.

Beginning in May 2003, groundwater samples were collected from indoor or outdoor taps from these six residential wells. Groundwater samples from the wells were analyzed for perchlorate and explosives. Based on the results of the initial sampling and confirmatory events, a monthly sampling program was initiated in July 2003 for residential wells RSNW01, RSNW03 and RSNW06 and continued until the RSNW01 and RSNW03 were disconnected in October 2004.

The results of all the groundwater samples collected from residential wells are provided in Table 4-7.

3.3.3 Commercial Wells

Two commercial supply wells are located within the Northwest Corner investigation area: CWNW01 and 4036009DC. The locations of these wells are shown in Figure 3-1.

Well CWNW01 is an irrigation well located at the Upper Cape Regional Technical School. Following sampling, the well was surveyed with a downhole camera. The survey identified the well screen as being 12 feet long and set at 132 to 145 ft bgs. The well depth is 147 ft bgs.

Well 4036009DC is a decommissioned water supply well located on USACE property downgradient of the Northwest Corner. No records regarding the construction of this well were available. Sampling of well 4036009DC was conducted from a tap at the wellhead after purging. Groundwater samples were collected from well 4036009DC in December 2002 and submitted for the analysis of explosives and perchlorate. Well 4036009DC was resampled in January 2003 to confirm the presence of perchlorate. Sampling of well 4036009DC was conducted on a quarterly schedule beginning in the third quarter of 2003. Sampling of well CWNW01 was a one-time event with samples collected in July 2003 for the analysis of explosives and perchlorate. The well was subsequently sampled by the property owners in July 2004 and the results forwarded to IAGWSP by MassDEP. The groundwater sampling results for wells CWNW01 and 4036009DC are provided in Table 4-7.

3.3.4 Water Supply Wells

Well 4036011, which was abandoned in 2004, was a water supply well approximately 3000 feet southeast of well 4036009DC as shown on Figure 3-1. Well 4036011 is reported to have been drilled to 140 ft bgs (K-V Associates, 1986), but this information has not been confirmed. No additional well construction information is currently available.

Groundwater samples for the analysis of explosives were collected on an approximately annual basis from October 1997 to August 2002 (with the exception of 2000). Perchlorate was added as an analyte in October 2001. In the August 2002 sample from this well, RDX was detected in low concentrations (0.28 J μg/L). The Health Advisory for RDX is 2 μg/L. Since the detection of RDX in the August 2002 sample, groundwater samples were collected quarterly until the well was abandoned in 2004, with the last sample collected in May 2004.

3.3.5 Drivepoint Wells

Groundwater monitoring points were installed upgradient (i.e. southeast) of GP-19 in order to find a source for the deep RDX contamination detected at MW-284 and MW-323 (as discussed in Section 4.3). Due to the surface topography in this area (i.e. hummocky ridges, steep and irregular terrain with an abundance of boulders on the surface), access for a truck-mounted drill rig is exceedingly difficult. To accomplish the groundwater monitoring objectives a series of drive-points were installed along the powerline access road, approximately 1,400 feet southeast of GP-19.

The drive points were installed by pneumatically driving 1½” steel pipe into the subsurface. The bottom five feet of the piping was slotted to allow for groundwater profiling. Similar to the procedure used in monitor well drilling, profile samples were collected at the water table and at 10-ft intervals thereafter to refusal. Samples at the water table were analyzed for perchlorate and explosives; samples below the water table were only analyzed for explosives.

Drivepoints were installed at eight locations (DP-373, DP-374, DP-375, DP-376, DP-394, DP-395, DP-396, and DP-397) along the power line access road. Multiple attempts were made at each location, as needed to reach the water table. The water table was reached in five of the eight locations with the two easternmost locations (DP-396 and DP-397) and the westernmost location (DP-395) encountering refusal prior to the water table (Table 3-4). The general area of these drivepoints is at the bottom of a valley oriented approximately north-south with steeply sloping side to the east and west. Additional locations to the east and west were therefore not possible because the elevation gain resulting from moving east or west would increase the drilling distance to the water table. In addition to the installation of wells along the power line access road, one drivepoint was installed at GP-19 (DP-405). Drivepoint locations are presented on Figure 3-1.

3.4 Air Dispersion Modeling

Air dispersion modeling was conducted to assess the location and distribution of particulate deposited from the fireworks bursts during the Independence Day fireworks events conducted from 1996 to 2003 at the Upper Cape Regional Technical School launch site in Bourne, Massachusetts. This analysis was conducted to test the hypothesis that the location and distribution of particulate from the fireworks burst would be similar to the source area of the Northwest Corner shallow perchlorate plume.

Emissions of particles from the fireworks were modeled as volume emission sources using the CALPUFF Model (ver. 5.7). CALPUFF is an EPA-approved, non-steady-state, meteorological and air quality modeling system typically used for assessing long range transport of pollutants and on a case-by-case basis for certain near-field applications involving complex meteorological conditions. The model for each fireworks event was set up based on the following conditions. The event started at approximately 9 pm with a duration of 1 hr. Fireworks items used during each event were as described in the 2002 proposal from Atlas Pyrotechnics to the Bourne Fire Department. Fireworks items were categorized into eight groups based on nominal shell diameter (1 through 6, 8, and 10 inches). Shell diameter was used for the grouping because the mass, height and diameter of the fireworks burst is largely dependent on the shell diameter. Each shell size was modeled as an individual source of particles to the atmosphere, resulting in eight emission sources for each event. Each fireworks item was modeled as having been launched on a vertical trajectory.

Specific input parameters to the model were derived from actual site data, literature review, and professional judgment in consultation with technical modeling experts. Key input parameters are described in detail in Appendix B and summarized as follows:

- Meteorological data – meteorological data including wind speed, wind direction, temperature and opaque cloud cover were generated using the National Oceanographic and Atmospheric Administration Air Resources Laboratory's (NOAA ARL's) Realtime Environmental Applications and Display System (READY) model for the specific date/time the fireworks were displayed. Meteorological data was not available for the 1996 event, therefore this event was not included in the modeling. Wind directions for all events were on average approximately 220 degrees, from the southwest to the northeast, with a wind speed of less than 5 m/s.
- Fireworks Emissions Characteristics - burst height and initial burst diameter for each of the eight shell groups were estimated based on literature information about similar-sized shells. The mass and distribution of the particles generated after each fireworks burst was estimated based on published studies of pyrotechnic emissions and professional judgment. A particle size distribution of 2.5 μm to 500 μm was used with the assumption that 50% of the total mass of emitted particles resides in the 2.5 μm to 50 μm range, and the remaining 50% resides in 50 μm to 500 μm range. Within this range particles were distributed among eight size classes 2.5 um, 15 um, 50 um, 100 um, 200 um, 300 um, 400 um, and 500 um for model input.
- Land Use Data - Land use within a 3 kilometers radius of the fireworks launch area was determined using the most recent land use coverages from the MassGIS database for the Northwest Corner and surrounding Bourne area. The 3 kilometer circle was broken into 16 pie slices, each representing 22.50 degrees. The percent of each land use within the pie slices was determined, and a surface roughness length, Bowen ratio, and noon-time albedo was ascribed based on the USEPA PCRAMMET User's Guide (EPA, 1995).

These data were used to generate other input parameters including: threshold friction velocity, Monin-Obukhov length, and mechanical mixing heights for use in the model.

Using these input parameters and assumptions, the CALPUFF Model was used to compute relative deposition rates at receptor locations spaced every 50 meters along a 2500 m by 2500 m grid centered on Canal View Road at the entrance to GP-16. The CALPUFF model processed five hours of meteorological data, three hours prior to the fireworks display, the hour of the fireworks display, and the hour following the fireworks display. Relative deposition rates were computed for the hour during which the pyrotechnics were launched. CALPOST software was used to process the output generated for each particle size class and receptor location. The total relative deposition rate for each receptor was computed by summing the relative deposition rates of all particle size classes for each receptor. Relative deposition rate isocontours were developed for each year and for total deposition for seven years using Surfer (ver. 8).

The summary results of the air dispersion modeling are provided in Section 4.4.

3.5 Groundwater Modeling

Groundwater modeling was performed to support the Northwest Corner Remedial Investigation at two scales of interest. A regional model for the Western Cape has been used to model the migration of contaminants from the Impact Area to the Northwest Corner and a local scale or subregional model has been developed to define local flow patterns within the Northwest Corner. Both models have been developed using the USGS MODFLOW program (Harbaugh and McDonald, 1996). Development and calibration of the regional model are discussed in other documents (AMEC; 2003c and 2005c). The following is a discussion of subregional model development.

The subregional model was developed for the following purposes:

- assist in siting of monitoring wells,
- delineate perchlorate and RDX plumes,
- complete time-of-travel analyses,
- assess potential source areas for all COCs, and
- to provide a basis for future development of a fate & transport model, if necessary.

Relative to the regional model, the subregional model features a refined model grid allowing for greater resolution of hydraulic heads and a more accurate representation of aquifer interaction with the Cape Cod Canal.

The approach to developing the subregional model was to: 1) initially ensure the regional model was calibrated to synoptic water level data collected from the Northwest Corner monitoring well network, and 2) define the subregional model grid and boundary conditions using the method of Telescopic Mesh Refinement (TMR). The TMR method requires specification of the subregional grid extents and spacing and then extraction of appropriate boundary conditions from the regional model. In this manner consistency between the regional and subregional models, in terms of groundwater flux and heads, is maintained.

Because a subregional model has also been developed for the Central Impact Area directly upgradient from the Northwest Corner, the Northwest Corner subregional model was limited to the area from the Cape Cod Canal to approximately Burgoyne Road. Figure 3-7 presents the model domain and boundary conditions. Horizontal grid spacing is uniformly 50 feet and vertical grid spacing is 10 ft, with the exception of the two deepest model layers which have variable grid spacing to accommodate the variable depth to bedrock in this area. After the TMR method was implemented, the only further modifications were to refine the constant head boundary along the Cape Cod Canal to take advantage of the finer resolution. Subsequently, the subregional model results were compared to the regional model to ensure consistency and calibration to local synoptic water levels.

The model has been used extensively for particle tracking and time-of-travel analyses. Both reverse and forward particle tracks have been generated using the MODPATH program (Pollock, 1989). Reverse particle tracks generated using this model are discussed in Section 4.3.

4.0 NATURE AND EXTENT OF CONTAMINATION

4.1 Soil Analytical Results

Soil samples were collected at Gun Positions GP-12, GP-14, GP-16, and GP-19 as part of the Phase I and II Gun and Mortar Investigations. Soil samples were analyzed for the Phase I analyte list which included: VOCs, SVOCs, metals, explosives, pesticides/PCBs, and herbicides. Additional sampling was conducted for perchlorate analysis and specific targeted analysis subsequent to the Phase I and II Investigations at these gun positions and the area along Canal View Road, the Area South of GP-16, and at the L-3 Range, as discussed in Sections 3.1.1 – 3.1.5. All soil analytical results from within the Northwest Corner for perchlorate and explosives (including Phase I and IIa results) are presented in Tables 4-1 and 4-2. Results from other analyses conducted as part of the Northwest Corner investigation, subsequent to the Phase I and II(a) investigations are summarized in Tables 4-3 and 4-4. Analytical results from the Phase I and II(a) investigations are summarized in Section 2.3.1 and are presented in greater detail in the Revised Draft Technical Memorandum 01-14, Gun and Mortar Firing Positions Report (AMEC, 2001a).

4.1.1 Gun Positions GP-12, GP-14, GP-16, GP-19 (Areas 62, 54, 16, and 66)

Soil samples at the Gun and Mortar Positions were analyzed for explosives as part of the Phase I and II(a) Investigations. Additional soil sampling at the gun positions was conducted in the Northwest Corner investigation as part of the June 2002 event (GP-16 perchlorate), September/October 2003 event (GP-19 perchlorate), and the August/October 2004 sampling events (GP-12 and GP-14 perchlorate, SVOCs and GP-19 perchlorate). All perchlorate and explosives results (including the explosives analysis for the Phase I and IIa samples) are summarized in Tables 4-1 and 4-2 respectively. Detected concentrations of perchlorate are presented graphically in Figures 4-1 through 4-3. The SVOC results from the August/October 2004 sampling events are summarized in Table 4-3.

<u>Perchlorate</u>

Perchlorate was detected in 6 of 96 soil samples collected among the gun positions in the Northwest Corner. These detections occurred in one soil sample from GP-19 (grid 66U, 0-5 ft bgs) and five soil samples from GP-16 at both the 0-0.5 ft bgs interval (16B; 16P) and the 1.5-2 ft bgs interval (16C, 16K, and 16Q). Detected concentrations at GP-16 and GP-19 ranged from 1.2 J to 7.46 µg/Kg. Perchlorate was not detected in soil samples collected from grid locations at GP-12 or GP-14.

<u>Explosives</u>

A total of 106 samples were collected from GP-12, GP-14, GP-16, and GP-19 for the analysis of explosives using Method 8330. PETN, in a single sample (16C) at a concentration of 47,000 µg/Kg, was the only compound detected. Analysis of this sample predated the use of PDA confirmation to support the analytical method and this detection is likely a false positive.

2,4-DNT was detected by SVOC analysis from seven grid locations at GP-16, three grid locations at GP-14 and three grid locations at GP-12. The maximum concentration detected was

600 µg/Kg (see Table A-1 in Appendix A). 2,4-DNT is a propellant associated with the artillery firing but is not detected in groundwater at the Northwest Corner or any of the Gun Positions.

<u>Other Analytes</u>

Soil samples were collected from GP-12 (62D through 62H) and GP-14 (54D through 54O) for SVOC analysis as part of the August/October 2004 sampling event. 2,4-DNT detected during this sampling event is included in the explosives discussion above. The following other SVOCs were detected at both GP-12 and GP-14: benzoic acid, bis(2-ethylhexyl)phthalate, chrysene, di-n-butyl phthalate, fluoranthene, and N-nitrosodiphenylamine. The following SVOCs were detected only at GP-12: 2,6-DNT, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k) fluoranthene, benzyl butyl phthalate, fluoranthene, indeno(c,d)pyrene, phenanthrene, and pyrene. These results are presented in Table 4-3.

4.1.2 Area along Canal View Road (Area 199)

Soil sampling in the area along Canal View Road (Area 199) was conducted in five distinct sampling events described in Sections 3.1.2 – 3.1.6. The sampling events occurred in July 2003, September/October 2003, December 2003, August/October 2004, and April 2008. Analytical results from these sampling events are summarized below and are presented in Tables 4-1 (perchlorate), 4-2 (explosives), 4-3 (SVOCs), 4-4 (metals) and 4-5 (perchlorate in fireworks debris) and Figures 4-4 (perchlorate) and 4-4a (perchlorate).

<u>Perchlorate</u>

Perchlorate was detected in soil samples from 2 of 11 sampling locations (199H and 199B) on July 2, 2003 at low concentrations (i.e. less than 5 µg/Kg) as shown on Figure 4-4a. On July 7, 2003, perchlorate was detected in samples from 8 of 11 sampling locations (199B, 199D, 199E, 199F, 199G, 199H, 199I). The detections ranged in concentration from 3 µg/Kg to 7,560 µg/Kg. The three highest concentrations of perchlorate all above 1,000 µg/Kg were in the samples collected from locations 199E, 199F and 199G. These were in the area with the highest density of fireworks debris. The concentration of perchlorate in samples collected from 199H and 199B were similar on both days.

The data show that perchlorate was present in concentrations just above the detection limit in two grids prior to the fireworks display. After the display, perchlorate was detected in high concentrations at several locations. Thus, it appears significant amounts of perchlorate were deposited on the soil along Canal View Road due to the fireworks. The fireworks were discontinued after the July 2003 display.

Perchlorate samples were also collected from locations within Area 199 during the September/October 2003 and August/October 2004 sampling events. In September/October 2003, samples were collected from three grid locations sampled as part of the July 2003 event (199B, 199E, and 199G) plus eight new grid locations (199K through 199R). At these locations, perchlorate was detected in six samples from four grids (199E, 199G, 199M, 199N), as shown in Figure 4-4. Perchlorate was detected in the 1.5 to 2 ft bgs sample at 199E, in the 0 to 0.5 ft bgs sample at 199G, and in both sampled intervals at 199M and 199N. The detected concentrations ranged from 5-64 µg/Kg. All four grids where perchlorate was detected in soil were located within the area that fireworks debris was observed. Perchlorate was not detected in the other nine grids located along the road including one located within the area of fireworks debris (199L) and one (199B) which had trace levels of perchlorate in samples collected in July 2003. In August 2004, perchlorate samples were collected at 199E and 199G from 0-0.5 ft bgs and from 1.5 ft to 2.0 ft bgs. Perchlorate was only detected in the deeper sample at 199E (2.65 µg/Kg). While acknowledging the difference in sampling methodology between the July 2003 sampling events (discrete samples collected from 0-1") and the September/October 2003 and August/October 2004 events (5-point composites from 0-0.5' and 1.5-2.0'), it is clear that perchlorate concentrations are rapidly decreasing in this area. This point is further illustrated by the 2008 MIS sampling results, which indicate that perchlorate has significantly decreased in both concentration and extent. Specifically, perchlorate was only detected in the sample from location SS199F at a depth of 1.5-2.0 feet bgs. Perchlorate was detected at this location at a concentration 0.79 µg/Kg; slightly below the formal laboratory reporting limit of 0.80 µg/Kg. Perchlorate was not detected in the other MIS soil samples from this area.

<u>Explosives</u>

Explosives were not detected in any of the four samples (at grids 199E and 199G) analyzed as part of the August/October 2004 sampling events, as indicated in Table 4-2.

<u>Other Analytes</u>

In addition to perchlorate and/or explosives, four samples (also at grids 199E and 199G) collected during the December 2003 and August/October 2004 sampling events were also analyzed for SVOCs, dyes and metals. Dyes and hexachloroethane (an SVOC), which were indicator parameters for releases from smoke pots and signal flares, were not detected in any sample. Low concentrations (i.e. <60 µg/Kg) of three PAHs (pyrene, chrysene and fluoranthene) were detected in one sample in the 0 - 0.5 ft bgs interval from 199E and 199G. A fourth PAH, benzo(a)anthracene, was detected in low concentrations at only the 199E sample location. PAH compounds are common combustion byproducts of organic substances, including residential trash, vegetation and petroleum hydrocarbons. Several metals (aluminum, arsenic, barium, beryllium, chromium, cobalt, copper, iron, lead, magnesium, manganese, molybdenum, nickel, vanadium and zinc) were also detected in samples from both locations.

4.1.3 Area South of GP-16 (Area 200)

In the area south of GP-16 (Area 200), samples were collected from four grids (200A-200D) in October 2003 for perchlorate analysis. Grid 200A was sampled again in December 2003 (for dyes and SVOCs) and in August 2004 (for perchlorate, explosives and metals). Analytical results for perchlorate are presented in Figure 4-3.

<u>Perchlorate</u>

Perchlorate was detected in surface soil samples in all four grids sampled in 2003 at concentrations ranging from 6.07 to 28.8 µg/Kg and at two of the deeper soil samples at concentrations ranging from 2.31 J to 3.49 J µg/Kg (Table 4-1). The highest concentration was observed at 200A in the 0-0.5 ft bgs interval. This location was resampled in August 2004 and perchlorate was not detected. Perchlorate was detected in one of the three multi-increment sampling locations collected in this area in 2008. At location 200B perchlorate was detected at a depth of 0-0.5 feet bgs at a concentration of 1.1 µg/Kg. Perchlorate was not detected in the deeper (1.5-2 feet bgs) sample at this same location. At Location 200C perchlorate was detected at a depth of 0-0.5 feet bgs at a concentration of 6.07 µg/Kg. At location 200D perchlorate was detected at a depth of 0-0.5 feet bgs at 10.9 µg/Kg and at 1.5-2 feet bgs at 2.31 µg/Kg.

Explosives

Explosives were not detected in samples collected from grid 200A (Table 4-2)

Other Analytes

In addition to perchlorate and/or explosives, two samples (both at grid 200A) collected during the December 2003 and August/October 2004 sampling events were also analyzed for SVOCs, dyes and metals. Dyes and hexachloroethane (an SVOC), which were indicator parameters for releases from smoke pots and signal flares, were not detected in either sample. Bis-(2-ethylhexyl) phthalate (18 µg/Kg) was the only SVOC detected at grid 200A at 1.5-2.0 ft bgs (Table 4-3). Bis-(2-ethylhexyl) phthalate is a plasticizer used in construction materials, food packaging, and many other items, and is a common laboratory contaminant. Metals, including: aluminum, arsenic, barium, chromium, cobalt, iron, lead, magnesium, manganese, molybdenum, nickel, sodium, vanadium and zinc, were detected in samples collected at both 0-0.5 ft bgs and 1.5-2.0 ft bgs, as shown in Table 4-4.

4.1.4 L-3 Range

At the L-3 Range (Area 208), composite samples were collected from eight grids at the Target Pits (208A - 208H), from three soil piles (208I - 208K) and four other locations near the L-3 Range (208L - 208O) for perchlorate analysis. Samples were collected from two depths (0-0.5 ft bgs and 1.5-2 ft bgs at each of the fifteen grid locations. Each of the samples from the Target Pits was also analyzed for metals and SVOCs. In addition, samples were collected from two depths at eight grids located at the areas of highest observed metal fragmentation in front of the Target Pits (208AB through 208HB) and analyzed for total and TCLP metals.

Perchlorate

Perchlorate was not detected in any of the shallow samples from the target pits and was present in only one deeper sample (TP-1 at an estimated concentration of 2.43 µg/Kg). Perchlorate was only detected in one other sample at the L-3 Range – the shallow sample from one of the soil piles (208K) at an estimated concentration of 3.08 µg/Kg. Perchlorate was not detected in any of the samples collected from grids near the L-3 Range (208L – 208O). Analytical results for perchlorate are presented in Figure 4-3 and Table 4-1.

Other Analyses

In the samples collected from the Target Pits, several metals (aluminum, arsenic, barium, boron, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, molybdenum, nickel, potassium, selenium, sodium, vanadium and zinc) were detected. Four SVOCs

(2-chlorobenzoic acid, benzoic acid, bis(2-ethylhexyl) phthalate, and pyrene) were also detected.

In the samples collected in front of the target pits, 20 metals (aluminum, arsenic, barium, boron, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, molybdenum, nickel, potassium, selenium, sodium, vanadium and zinc) were detected. The following metals were detected in samples using the TCLP analysis: barium, cadmium, chromium, lead, selenium, and silver. None of the TCLP metals concentrations exceeded the TCLP toxicity criteria. No SVOCs were detected in these samples. Analytical results are presented in Tables 4-3 (SVOCs) and 4-4 (metals).

4.2 Fireworks Debris Analytical Results

The analytical results of the fireworks debris samples, analyzed as soil samples, are shown in Figure 4-4a and Table 4-5. Perchlorate was detected in the debris samples at concentrations ranging from 302 μg/Kg to 34,200 μg/Kg. These results indicate the fireworks debris was a source of perchlorate in soil in the Northwest Corner.

4.3 Groundwater Analytical Results

Groundwater samples were collected from 70 wells in the Northwest Corner with the objective of identifying the extent of perchlorate and explosives in groundwater. Groundwater samples from these wells were analyzed for perchlorate using EPA Method 314.0 and for explosives using EPA Method 8330N. Analytical data from groundwater profile samples are presented in Table 4-6. Groundwater sampling results available as of September 2005 are summarized in Table 4-7. Groundwater sampling results available after September 2005 are summarized in Appendix A (Tables A-6 and A-7). While the groundwater investigation in the Northwest Corner has focused on perchlorate and explosives, several existing wells within the Northwest Corner have been sampled for other analytes. Monitoring wells MW-65 and MW-66, 95-15A, 95-15C, 95-6A, 95-6B and 95-6ES have been sampled for Phase I analytes including explosives, VOCs, SVOCs, metals, pesticides/PCB and herbicides. This data was included in the risk screening prepared as part of this remedial investigation and is summarized in Section 4.3.3.

Perchlorate was frequently detected in shallow groundwater in the Northwest Corner. RDX was the only explosives compound observed in groundwater samples at Northwest Corner wells. Other explosives compounds had validated detections in the profile samples only, as shown in Table 4-6. Explosives compounds detected in profile samples included low levels of 2,4-DANT, TNT, 2,6-DNT, and 1,3,5-trinitrobenzene in MW-278 and low levels of 2,6-DNT in MW-66 and MW-65. However, these detections were not confirmed by groundwater sampling data.

The distribution of perchlorate and RDX as of September 2005 is discussed in detail in Sections 4.3.1 and 4.3.2, respectively. Figures 4-5 and 4-6 present September 2005 perchlorate and August 2004 RDX detections in groundwater samples from locations within the Northwest Corner. The vertical distribution of perchlorate and explosives are presented in cross-sections in Figures 4-7 through 4-15.

4.3.1 Perchlorate

Perchlorate has been detected in monitoring wells within the investigation area as presented in Table 4-7 and Figure 4-5. Reported concentrations of perchlorate range from an estimated concentration of 0.36 µg/L to 26.3 µg/L, with a current maximum concentration as of May 2008 of 13.4 µg/L. The recently released EPA health advisory for perchlorate is 15 ppb and the Massachusetts Maximum Contaminant Level (MMCL) is 2 µg/L.

The most recently available concentrations of perchlorate in groundwater samples from each well based on data available as of September 2005 were contoured to develop the perchlorate groundwater plume map for the Northwest Corner, as depicted in Figure 4-5. Contours for the plume map were drawn not only based on the distribution pattern of the perchlorate concentrations throughout the aquifer, but also in consideration of groundwater flow pathways. Groundwater flow pathways were assessed based on reverse particle tracks developed from the regional groundwater model MMR-10NW. The reverse particle tracks were generated from the mid-screen point from all monitoring wells with perchlorate detections, as shown in Figure 4-17.

<u>Horizontal Distribution</u>

The horizontal distribution of perchlorate in groundwater is presented in Figure 4-5a. In September 2005, the perchlorate plume encompassed approximately 428 acres, extending northwestward from MW-298, located upgradient of Canal View Road, to the Canal (5,200 ft long), and from the area northeast of MW-65 and MW-332 southwest to CNW01 and MW-309 (4,000 ft wide). Most of the plume area is characterized by concentrations of perchlorate below 4 µg/L. However, two higher concentration areas are present in the plume. One area extends downgradient toward the Cape Cod Canal from wells MW-278 and MW-279, each located along Canal View Road. The second area is centered on MW-270 located on USACE property near the Canal. Perchlorate concentrations decrease with distance upgradient of Canal View Road, and northeastward toward MW-332. Perchlorate was not detected in the drivepoint well locations along the power line access road.

The highest perchlorate concentrations were detected in shallow groundwater wells located along Canal View Road between GP-19 and GP-16 at MW-278S (13.8 µg/L), and MW-279S (21.1 µg/L). As depicted on Figure 4-5a, this area of higher concentration extends downgradient toward wells MW-284, RSNW01 and RSNW03. The second area of perchlorate concentrations above 4 ppb includes MW-270, MW-309, well 4036009DC, and MW-284 located adjacent to the Canal.

By 2007 the shallow perchlorate plume encompassed an area of only 364-acres (see Section 10). This decrease in plume area illustrates that fact that the plume is detaching from its source and moving downgradient towards the Canal.

<u>Vertical Distribution</u>

Groundwater data indicate that perchlorate is detected predominately in the shallow portion (upper 50 feet) of the aquifer. The vertical extent of the perchlorate plume is presented in Cross-Sections A-A' through I-I', as shown in Figures 4-7 through 4-15, respectively. Cross

Sections A-A through D-D' and I-I' are oriented perpendicular to the observed groundwater flow direction while Cross-Sections E-E' through H-H' are oriented parallel to groundwater flow. On each cross section, groundwater profile results for perchlorate are presented, as well as perchlorate and RDX detections from the most recent groundwater sampling event for each well as of September 2005. Screen intervals for the residential wells and wells 4036009DC and 4036011 are estimated.

In general, perchlorate is detected in shallow groundwater in the upper 35 feet of water near Canal View Road (Figures 4-9 and 4-10) and the upper 50 feet of water downgradient along the Canal (Figure 4-7). As shown in Cross-Sections C-C' and D-D' (Figures 4-9 and 4-10), perchlorate is detected continuously from the water table to a depth of approximately 10 to 35 ft bwt in upgradient wells including MW-277, MW-278, MW-279, MW-298, MW-287, MW-320, MW-332, MW-65 and MW-66. At all upgradient well locations, the perchlorate concentrations are highest in the shallowest profile sample and decrease with depth. In monitoring wells at these locations, the highest concentrations of perchlorate are observed in the water table screens and lower concentrations were detected in the deeper M2 and/or M1 screens.

As shown in Cross-Section A-A' (Figure 4-7), while perchlorate was also detected continuously in downgradient well locations (MW-283, MW-284, MW-309, and MW-314), the concentrations were highest in profile samples collected slightly deeper within the water column from approximately 25 to 40 ft bwt. Perchlorate was not detected at the water table at the two furthest downgradient of these locations (MW-283 and MW-284). Perchlorate was, however, detected at the water table in three nearby private monitoring wells (HW-1 through HW-3), which are screened at the water table only.

In addition to the shallow perchlorate plume, detections of perchlorate below 1 µg/L were observed in groundwater profile samples collected at MW-270, MW-298, MW-301, MW-323, MW-344, MW-350 and BH-363 at intervals of around 50 feet, 100 feet and 135 feet below the water table. However, the deeper perchlorate detections were only confirmed in groundwater samples collected from monitoring wells installed at MW-270, MW-323 and MW-350. A monitoring well was not installed at BH-363.

Temporal Distribution

Evidence of migration of the perchlorate plume over time can be seen in the groundwater data. Based on data from 2003 to 2005 decreasing concentration trends were observed in two wells; MW-277S and MW-287S, both shallow wells located on Canal View Road. On the other hand increasing concentration trends were observed in four wells; MW-283M1, MW-284M2, MW-309S, and MW-309M1, all of which are located on the downgradient edge of the plume near the Cape Cod Canal.

Changes to the plume configuration between August 2004 and October 2005, as shown in Figures 4-16 and 4-5, respectively, are largely the result of perchlorate trends observed in the six wells discussed above. In September 2005, the greater than 4 ppb perchlorate contour has increased downgradient at the western corner of the plume in the vicinity of MW-309 and MW-284 reflecting the higher perchlorate concentration in this area. These increases likely reflect the migration of perchlorate in groundwater from the source area, downgradient toward the Canal. Trends in perchlorate data available after September 2005 will be discussed in Section 10.

Source Area

The observed distribution of perchlorate in shallow groundwater suggests a largely contiguous source area extending from the furthest upgradient water table detections at MW-298, MW-338, MW-350, and MW-344 downgradient to some point west of the base boundary, but east of Route 6A.

The observed configuration of the perchlorate plume source area is consistent with reverse particle track data from wells HW-1, MW-270, MW-283, MW-284, MW-297, MW-309 and MW-314, which show that the shallowest detections of perchlorate at these locations backtrack to areas within several hundred feet of Route 6A, well west of the base boundary (Figure 4-17). For these downgradient wells, the deepest particle tracks slightly overpredict the upgradient extent of the plume as delineated by actual field data at MW-298, MW-299 and MW-344. As shown in Figure 4-17, the source area for the shallow perchlorate groundwater plume, suggested by the particle tracks and well data is an approximate 370-acre area that extends from approximately 2000 feet west of the base boundary near the Upper Cape Cod Regional Technical School building to approximately 3000 feet east of the base boundary just beyond Cat Road. Included within this source area is an area outside the base boundary east of Route 6A and sites on-base inclusive of GP-19, GP-16, GP-14 and Canal View Road.

Unlike the occurrence of perchlorate in the shallow portion of the aquifer, the observed detections of perchlorate at about 50 feet, 100 feet and 135 feet deeper in the aquifer appear to be narrow stringers which are migrating beneath the shallow perchlorate plume at its southern boundary. Reverse particle tracks from monitoring wells MW-323M2 and MW-350M1 suggest that the source of the deeper perchlorate is located near Avery Road, in the vicinity of the Former A Range (Figure 4-18). Alternatively reverse particle tracks from the near bedrock detections of perchlorate at monitoring well MW-270D terminate in the middle of the Central Impact Area. The absence of perchlorate in the intervals above these deeper detections suggests that the source of the deeper perchlorate detections is separate and distinct from that of the shallow perchlorate plume. Although, the deep detections of perchlorate in the vicinity of MW-270 may be the result of complex local hydrogeologic conditions associated with a former water supply well and/or the Cape Cod Canal.

Release Mechanism for Shallow Perchlorate Plume

The source area defined by the groundwater characterization for the shallow perchlorate plume is generally consistent with the soil sampling results. The soil sampling results show perchlorate detections primarily along Canal View Road, at GP-16, and in the area south of GP-16; all locations within the source area defined by reverse particle tracks. The source area is also inclusive of the visible extent of fireworks debris observed along Canal View Road.

The source evaluation indicates that perchlorate in the shallow groundwater at the Northwest Corner probably originated from one or both of two sources:

- debris from fireworks launched from the Upper Cape Regional Technical School and

- debris from perchlorate containing-pyrotechnics in Training Areas B-9 and B-11.

The large areal and continuous extent of the shallow plume throughout this area suggests that the perchlorate was deposited from aerial dispersal over a large area. The highest perchlorate concentrations observed at the water table are located in the center of the plume in the vicinity of Canal View Road north of GP-19, which suggests that the heaviest deposition of perchlorate occurred in the vicinity of Canal View Road north of GP-19 with deposition decreasing in areas upgradient and downgradient of Canal View Road and along Canal View Road north of MW-278 and south of MW-279. This scenario would produce the vertical perchlorate profiles observed in profile samples. For wells at the road, the highest perchlorate concentrations at the water table originated from the deposition of perchlorate in the vicinity of the road, and the deeper lower perchlorate concentrations originated from migration of the lower perchlorate concentrations derived from source areas east of the road. In wells near the Canal, the highest concentrations are in the middle of the profile samples, representing perchlorate migration in groundwater from the vicinity of Canal View Road, north of GP-19. Lower perchlorate concentrations above and below the highest concentrations in the water column represent perchlorate migrating from the less concentrated source areas, downgradient and upgradient of Canal View Road.

4.3.2 Explosives

As shown in Figure 4-6, RDX was detected at eight well locations in the Northwest Corner: 4036011, RSNW06, MW-270, MW-284, MW-323, MW-338, BH-363, and MW-350. Reported concentrations of RDX as of September 2005 range from 0.25 µg/L to 15 µg/L while the current maximum detection of RDX as of May 2008 is 5.6 µg/L in well MW-323M2. The highest concentrations were observed in profile samples at BH-363 (HMX was also collocated with RDX in some of the profile samples from borehole BH-363) and groundwater samples at MW-323M2. The RDX plume depicted in Figure 4-6 was interpreted using the series of wells with RDX detections from MW-284 upgradient to MW-350. This interpretation suggests a slightly more northerly flow direction at depth than that predicted by the groundwater model. Analytical data for explosives is summarized in Tables 4-6 and 4-7. It should be noted that Figure 4-6 is not inclusive of the drivepoint results which were installed after September 2005. The horizontal depiction of RDX is updated in Section 10.0 to incorporate the drivepoint data.

<u>Distribution of RDX</u>

Groundwater results available as of September 2005 indicate that RDX is present at depth as a narrow plume in two zones centered at 50 ft bwt and 125 ft bwt at the base boundary, 500 feet northwest of GP-19. The RDX plume intersects MW-323, MW-338, MW-350, and BH-363 on base and extends northwest and off-base to intersect wells 4036011, RSNW06, and MW-284.

Among the well locations on base, RDX has been repeatedly detected in MW-323M2 and MW-323M1. MW-323M2 is the only well installed where the RDX concentrations exceed the HA of 2 µg/L. RDX was detected in the profile samples at MW-323 continuously from 40 to 130 ft bwt. Within this RDX column, MW-323M2 is screened from 46 to 56 ft bwt and MW-323M1 is screened from 121 to 131 ft bwt. RDX concentrations in these two well screens range from 5.7 to 9.6 µg/L (M2) and from 1.1 to 1.5 µg/L (M1). MW-323 appears to represent the center of the RDX plume detected in the Northwest Corner.

RDX is also present at MW-338, about 250 feet south and crossgradient to MW-323, but only at the water table; an interval that does not coincide with the depth of detections in MW-323. RDX was detected in two of the first four samples from MW-338S (0-10 ft bwt) at a concentration of 0.25 µg/L. RDX was not detected in profiling of this well between 40 and 130 ft bwt, indicating that the plume of RDX centered at MW-323 is narrow and does not extend more than 200 feet to the south of MW-323.

RDX was also detected at BH-363 and MW-350 located within 500 feet upgradient of MW-323 at GP-19. RDX was detected in BH-363 from 25 to 55 ft bwt (2.2 -15 µg/L) and from 105 to 145 ft bwt (0.25 – 1.1 µg/L). MW-350 was installed at the back of the position along the expected flow pathway projected back from MW-323 and MW-284 to delineate the upgradient extent of the RDX. RDX was detected in one of the first three samples and a duplicate sample at MW-350M2 (41 to 51 ft bwt) at concentrations of 0.44/ 0.46 µg/L. The low concentrations detected in this well relative to MW-323 coupled with the similar concentration and vertical distribution of RDX in MW-323 and BH-363 indicate MW-350 is likely located peripheral to the core of the narrow plume.

Among the off-base wells downgradient of MW-323, RDX has been consistently detected at MW-284. RDX was detected in the profile samples at MW-284 at 76 and 86 to 116 ft bwt. RDX concentrations detected in all of the first six samples collected from MW-284M2 (screened from 21 to 31 ft bwt) ranged from 0.27 to 0.38 µg/L. RDX concentrations in the six samples collected from MW-284M1 (screened from 90 to 100 ft bwt) ranged in concentration from 0.86 to 0.93 µg/L.

RDX has also been detected in wells RSNW06 (an irrigation well) and Well 4036011 (now abandoned). The screen depths of these wells, which are located between the base boundary and Route 6A, are not known. Thirteen rounds of groundwater sampling for explosives analysis have been conducted at well 4036011 between 1997 and 2004. RDX was detected in well 4036011 at a concentration of 0.28 µg/L, in one sample collected in August 2002. A review of the chromatograms for all rounds of sampling indicate RDX was likely present in the other samples at concentrations below the reporting limit of 0.25 µg/L. In the first 19 sampling rounds conducted at well RSNW06, RDX has been detected in 13 samples in concentrations ranging from 0.25 to 0.33 µg/L.

As described in Section 3.3.5, drivepoints were installed upgradient of GP-19 and downgradient (i.e. northwest) of the wells along Avery Road in an attempt to find a source for the deep RDX detections at MW-284 and MW-323. The general area of the selected locations was based on the line of wells with RDX detects (MW-284, 4026011, MW-323 and MW-350). The orientation of this line of wells is slightly more northerly than the orientation of the groundwater flow direction predicted by the groundwater model. Data from the drivepoints was not available when the RDX plume depiction shown in Figure 4-6 was created; however the plume map used in the FS portion of this report was updated to incorporate the drivepoint data (see Section 10).

RDX was detected in three of the four drivepoint locations which reached at least 50 feet bwt, the anticipated depth of the RDX plume (Table 4-8). Refusal was encountered before reaching the water table at three locations and at 38 ft bwt at a fourth location. Concentrations of RDX ranged from 0.88 to 1.3 µg/L. These concentrations are significantly below those detected in MW-323 and BH-363 indicating that the highest concentrations have likely migrated downgradient past the power line access road.

Source Area

With the exception of the RDX detections at MW-338 and the shallow detection at MW-284, RDX is detected in deeper portions of the aquifer than the shallow perchlorate plume which indicates source areas upgradient of the Northwest Corner (Figure 4-19). The reverse particle track generated from the middle of the MW-284M1 screen terminates within the Central Impact Area near the intersection of Wood Road and Spruce Swamp Road, near MW-86. RDX is detected in the water table at this well; however, no specific source has been identified. The time for a particle to travel from the water table at this location to well MW-284M1 is estimated to be 43.6 years. Although this travel time is consistent with the historical use of RDX in the Central Impact Area, RDX was not detected in profile sampling at MW-279 which directly intersects particle tracks from MW-284M1.

Two distinct zones of RDX contamination are noted in MW-323 and BH-363, separated by a continuous zone of non-detect profile samples at BH-363 and by a zone of decreased RDX concentrations in profile sample at MW-323. This suggests that there are likely two distinct source areas for RDX. Reverse particle tracks from the shallower RDX detections at MW-323M2 and BH-363 suggest that the source is located near Avery Road near the Former A Range. As described above, activities in this area which could result in the release of RDX have not been documented. Reverse particle tracks from the deeper RDX detects at MW-323 (MW-323M1) and the deeper profile samples at BH-363 terminate within the Central Impact Area near the intersection of Turpentine Road and Tank Alley. This area represents the main source area for perchlorate and RDX within the Central Impact Area and the highest concentrations of RDX at the water table.

The results from the drive point sampling were inconclusive in assessing the source area for the two zones of the RDX plume centered at GP-19. Based on particle backtracks from MW-323, the shallower zone of RDX (corresponding to MW-323M2) would have been expected to intersect the drive point boreholes at approximately 110 to 120 feet bgs (30-40 ft bwt), and the deepest zone (corresponding to MW-323M1) would have been expected to intersect the drive point locations at approximately 200 to 210 ft bgs (120-130 ft bwt). Actual RDX detections in the drive point samples were at low concentrations which do not reflect the high concentrations seen at MW-323 and BH-363 and at slightly deeper intervals (approximately 150 to 175 ft bgs in DP-373 and DP-374 and 122 to 132 ft bgs in DP-375). This data suggests, either the plume is centered east or west of the drive point locations or the highest concentrations or the core of the plume have migrated downgradient of the source area. Monitoring well MW-441, installed at the southeastern edge of GP-19 in 2006, had an initial RDX detection of 1.3 µg/L (see Section 10.3.2). Results from this well further strengthen the hypothesis that the core of the plume is detached and has moved downgradient of the southeastern edge of GP-19.

RDX in shallow groundwater was only detected at MW-284M2 and MW-338S. MW-338S is located at GP-19. Based on the vertical position in the aquifer, the source of the RDX in

MW-338 was likely a results of a source at or near GP-19. However, RDX was not detected in soil samples at GP-19. The detection of RDX at MW-284M2 well is also relatively shallow and a reverse particle track from this well passes through MW-279 and terminates in the vicinity of 95-16, just east of Canal View Road. RDX was not detected in the water table well at MW-279 or detected in the profile samples. It is possible that occurrence of RDX in this downgradient shallow zone results from a hydrogeologic effect resulting from proximity to the Canal.

RDX data available after September 2005, including an RDX plume trend analysis and updated plume depiction, is included in Section 10.

4.3.3 Other Analytes

As described above, several existing wells within the Northwest Corner (MW-65 and MW-66, 95-15A, 95-15C, 95-6A, 95-6B and 95-6ES) have been sampled for analytes other than perchlorate and explosives. Detected VOCs, SVOCs, metals, pesticides and herbicides as of September 2005 are presented in Table 4-9.

With the exception of chloroform, detections of VOCs were limited to one detection of benzene (0.2 µg/L), acetone (2 µg/L), and methyl tert-butyl ether (0.8 µg/L), and two detections of chloromethane (less than 1 µg/L). Chloroform was detected consistently in MW-65, MW-66, 95-15A, 95-C, 95-6A, 95-6B, and 95-6ES with a maximum concentration of 3 µg/L. Detections of other organic compounds in Northwest Corner wells are also limited. Several SVOCs (benzoic acid, bis(2-ethlyhexyl)phthalate, diethyl phthalate, di-N-butyl phthalate) have been detected sporadically at low levels (generally less than 1 µg/L). Pesticides and herbicides have also been detected infrequently and at low levels in three wells. Chloramben was detected in one of nine samples at MW-65 (0.14 µg/L) and chloramben and picloram were detected in one of eight samples at 95-6ES. Chloramben and 2,4,5-T (trichlorophenoxyacitic acid) were detected in three and one of six samples, respectively at MW-66.

Metals detected in groundwater samples include: aluminum, antimony, arsenic, barium, boron, calcium, chromium, copper, iron, lead, manganese, magnesium, molybdenum, nickel, potassium, selenium, silver, sodium, vanadium and zinc.

4.4 Air Dispersion Modeling Results

Air dispersion modeling using CALPUFF was conducted to approximate the location, pattern and relative deposition of particulate from the nearby Independence Day firework celebrations. The deposition pattern of particulate for the fireworks events conducted from 1997 through 2003 combined is shown in Figure 4-20 superimposed over the Northwest Corner shallow perchlorate plume. The pattern shown on the map represents contouring of the relative particle deposition rates predicted by the modeling. As illustrated in the figure, the particulate deposition pattern appears as an overall fan shape spreading out from the launch area at the Upper Cape Regional Technical School, with lobes of higher particulate deposition opposite the prevailing wind direction characteristic of each separate event. Isocontour maps of the particle deposition for the individual events for each year are shown in Appendix B.

The relative deposition rate isocontours show that the maximum relative depositional area of particulate is within 1000 feet of the launch point, and upgradient of the area of perchlorate greater than 4 µg/L observed in wells MW-309, MW-270 and MW-284. On-base, the highest particulate concentrations are shown to be deposited along Canal View Road, in the area from MW-301 to MW-277, which corresponds to the highest concentrations of perchlorate observed in the shallow perchlorate plume. The high concentrations of particulate deposition modeled in the vicinity of MW-279 and MW-278 occur partially as the result of deposition from the 2003 event.

In general, the modeled results show that particulate deposition generally decreases with the distance from the launch area, with relative particulate deposition rates decreasing sharply in the area immediately downgradient of the launch area and then diminishing more gradually to the north and east. This is also the pattern of perchlorate concentrations observed in the groundwater plume. The concentrations of perchlorate are highest on the southern half of the plume and past the midpoint of the plume at MW-277, and concentrations decrease more gradually with increased distance to the northeast.

Overall the pattern of particulate deposition predicted by the air dispersion modeling indicates that particulate originating from the fireworks displays at the Upper Cape Regional Technical School was deposited in an area consistent with the approximated source area for the perchlorate groundwater plume in the Northwest Corner.

5.0 ENVIRONMENTAL FATE AND TRANSPORT

5.1 Conceptual Site Model – Shallow Perchlorate Plume

The most likely origin of perchlorate contamination in shallow groundwater at the Northwest Corner is the deposition of perchlorate particles from aerial dispersal. The deposition occurred in an approximate 370-acre area that extends from the launch area for a nearby annual fireworks display, northwest to beyond GP-16.

The air dispersion modeling results are particularly strong evidence of the contributions of fireworks to the observed shallow perchlorate plume. The area where the model predicts deposition of fireworks particulates correlates strongly to the observed perchlorate plume (Figure 4-20), soil sampling results (Figure 5-1), and the distribution of wells where perchlorate is detected at the water table (Figure 5-2). Another possible source of perchlorate contamination in the Northwest Corner is the use of military pyrotechnics.

Once perchlorate is deposited on the ground as a particulate, it readily dissolves in rainwater. Although migration is expected to be relatively fast based on the known fate and transport properties, the exact residence time of perchlorate in the soil and rate of migration through the vadose zone in the Northwest Corner is not certain but is estimated to be on the order of three years for an aquifer depth of 70 ft (see also Section 10.3). Perchlorate is unlikely to be detected in the subsurface once migrating beyond the zone of soil with source material. This is because the mass of contaminated pore-water is small in comparison to the total mass of soil analyzed resulting in concentrations below detection limits. In addition, as the wetting front moves deeper, the contaminants disperse, further diluting concentration of perchlorate in the pore water.

Perchlorate leaching to the water table from the Northwest Corner source area creates a plume that migrates downgradient with groundwater flow. Because the aquifer is unconfined, the perchlorate plume migrates deeper in the aquifer consistent with the aquifer’s horizontal and vertical hydraulic gradients. Uncontaminated recharge water from precipitation downgradient of the source area accumulates above the perchlorate-contaminated water. As a result, a discrete zone of contaminated groundwater is formed between uncontaminated groundwater, parallel to flow, with the thickness a function of the length of the source area. The distribution of perchlorate concentrations in the contaminated zone is a function of the distribution of perchlorate concentrations in the source area. An area of higher concentration within the contaminated zone represents an area of higher concentration in the source area. Because of its low reactivity, perchlorate travels unimpeded through the aquifer at the approximate velocity of groundwater flow, estimated to be 2.5 ft/day in this area.

In less than four years after having leached to the water table in the source area, perchlorate in groundwater is expected to reach the Canal. Because of the low concentrations of perchlorate relative to the volume of surface water in the Canal, perchlorate concentrations in groundwater are likely diluted to undetectable levels upon discharge to the Canal.

5.2 Deep Perchlorate and RDX

The most likely sources for the RDX and deep perchlorate detections are located well upgradient of the Northwest Corner. As discussed above (Sections 4.3.1.2 and 4.3.2.2), the reverse particle tracks from the more shallow of the two zones of RDX contamination terminate near Avery Road and the Former A Range. Sources of perchlorate and RDX in this area are unclear. Additional groundwater sampling will be performed near the Former A Range to further evaluate the area as a potential source of contamination. Based on particle track results, the deepest concentrations of perchlorate at MW-270 are probably derived from the Central Impact Area. However, as discussed above in Section 4.3.1, this data is anomalous and there may be another explanation for the presence of perchlorate at depth in MW-270.

The source area for the deeper zone of RDX contamination appears to be the Central Impact Area. The Addendum to the CIA Groundwater Report (AMEC, 2004a) states that deposition from both high-order and low-order detonations from a variety of munitions over a period of almost 70 years has resulted in the release of RDX to the ground surface. Additional details regarding the fate and transport of RDX in the CIA are presented in that document.

5.3 Migration Pathways and Receptors

Human receptors could potentially be exposed to perchlorate and/or RDX in the Northwest Corner by drinking contaminated groundwater; however, all residences are connected to the municipal water supply. Thus, there does not appear to be any human receptors currently exposed to either the perchlorate or RDX plumes.

6.0 RISK SCREENING

A Human Health Risk Screening was conducted for the Northwest Corner. The objective of the risk screening was to identify any contaminants detected in the Northwest Corner groundwater that require further evaluation. The risk screening also included an evaluation of the potential for contaminants detected in the Northwest Corner soils to leach from the soil and migrate through the subsurface to the groundwater. This evaluation was conducted to determine if any of analytes detected in soil could impact groundwater in the near term and potentially commingle with the existing perchlorate and RDX plumes. A complete discussion and analysis of soil analytical results and the possible need for remedial actions at any of the gun positions located in the Northwest Corner (i.e. GP-12, GP-14, GP-16, and GP-19), the L-3 Range, the Former A Range, or the Central Impact Area, will be evaluated as part of the Gun and Mortar Positions, Small Arms Ranges, Former A Range, and Central Impact Area investigations, respectively.

All past sampling events and data within the site boundary were considered in the screening processes described below. Appendix C Tables C-1 and C-2 presents the key elements and results of the risk screening for the Northwest Corner.

6.1 Groundwater Evaluation

A screening assessment was performed on groundwater data collected for the Northwest Corner. Table C-1 identifies the constituents that were detected in groundwater samples collected up through and including 2008. The maximum concentration of each detected chemical was compared to a series of Federal and State health-based drinking water criteria. These criteria included Federal and State Maximum Contaminant Levels (MCLs), Health Advisories (HAs), EPA Regional Screening Levels for Tapwater (RSLs), and the MCP Method 1/GW-1 Standards.

Other factors considered in the screening evaluation were whether the constituent was an essential human nutrient, the frequency of detection of that constituent, and documented prior false positive analytical results.

6.1.1 Perchlorate

A perchlorate plume above the MMCL of 2 µg/L was identified based upon repeated detections of perchlorate in Northwest Corner monitoring wells ranging from minimum concentrations near the detection limit of 0.35 µg/L to a maximum of 26.3 µg/L, with a current maximum perchlorate concentration as of May 2008 of 13.4 µg/L. The highest observed perchlorate concentrations reported were in samples collected from 2003 to 2007 at monitoring well locations MW-278S and MW-279S. However, groundwater samples collected from these same wells in May 2008, revealed that perchlorate concentrations had declined to less than or equal to the MMCL of 2 ug/L. Both of these wells are located along Canal View Road in close proximity to the locations where the post-fireworks soil and debris samples were collected in 2003. Alternatives for addressing this perchlorate plume will be evaluated in Section 8.0. As previously discussed, perchlorate was also detected in deeper groundwater associated with MW-270. Although particle tracks identify the Central Impact Area as the likely source area, this data is anomalous and there may be another explanation for the presence of perchlorate at depth in MW-270 (see Section 4.3.1.

6.1.2 Explosives Compounds

RDX was the only explosive compound detected. The highest detections, and the only detections exceeding the HAL of 2 µg/L, were collected from MW-323 and BH-363. Both of these wells are located on base near Canal View Road. The remaining RDX detections from the Northwest Corner groundwater dataset were generally below the MCP Method 1 GW-1 Standard of 1 µg/L although some values did exceed the 10^{-6} risk based concentration that results in an excess cancer risk of one in a million (0.6 µg/L). This RDX plume will be further evaluated in the Feasibility Study.

6.1.3 Metals

Ten metals were detected in more than five percent of groundwater samples (i.e., aluminum, barium, boron, chromium, copper, iron, manganese, nickel, vanadium, and zinc). Eight additional metals were infrequently detected: antimony, arsenic, cadmium, lead, mercury, selenium, silver, and thallium. All of the detections of aluminum, cadmium, cobalt, nickel, selenium, silver, thallium, and vanadium were from wells constructed as part of the Long Range Water Supply Program. These wells were not constructed for chemical monitoring purposes and were not built according to monitoring well design specifications (such as placing a bentonite screened interval seal and sanitary seal at the ground surface). Rather, they were constructed for evaluating potential water supply pumping capacity and physical aquifer characteristics such as transmissivity and storativity. Consequently, samples collected from these wells may not be representative of groundwater quality.

With the exception of arsenic, iron, and zinc, the maximum concentration of the detected metals did not exceed their respective screening criteria (Table C-1). The maximum detected concentration of arsenic (4.2 µg/L) exceeded its RSL of 0.045 µg/L but was well below the 10 µg/L MCL and MCP GW-1 standard. Arsenic was detected infrequently (frequency of detection of 3%) and was not further evaluated. The maximum detection of iron slightly exceeded its RSL. All of the detections of iron that were in excess of the RSL were found in samples from water supply wells (specifically LRMW9515 and 95-6). Well LRMW9515 is of 8” steel construction and was built as a potential production well. Well 95-6 is believed to be of similar construction. Steel wells such as LRM9515 are often known to release iron. Consequently, the exceedances of the RSL for iron are most likely associated with well construction rather than groundwater quality. Iron has only been detected twice in actual monitoring wells (56.2J µg/L in MW-65S on October 26, 1999 and 92.1J µg/L in MW-66M1 on October 20, 1999). The maximum detected concentrations of iron in these monitoring wells were below their respective risk based levels and drinking water criteria. Therefore, iron was not further evaluated. The maximum detection of zinc exceeded its HAL and GW-1 standard. However, the maximum zinc detection also occurred in LRMW9515 and this elevated concentration is attributed to the well construction material.

Four metals, calcium, magnesium, potassium, and sodium detected in groundwater samples have no screening criteria. All of these metals are human nutrients, thus they were not considered further in the FS.

6.1.4 Semi-Volatile Organic Compounds (SVOCs)

Three phthalates were sporadically detected in groundwater: bis(2-ethylhexyl)phthalate, diethyl phthalate, and di-n-butyl phthalate. Phthalates appear to be largely an artifact of the investigation methods, introduced into the samples during collection and analysis. This conclusion is supported by the results of subsequent sampling rounds that showed much lower levels of these chemicals after additional precautions were taken to prevent cross-contamination during sample collection and analysis. In addition, none of these phthalates detections exceeded screening levels and thus were not considered further.

6.1.5 Volatile Organic Compounds (VOCs)

The only VOCs frequently detected in groundwater were chloroform and chloromethane. Chloroform appears to be ubiquitous within the portion of the aquifer being studied. Chloroform is naturally present in much of the groundwater on Cape Cod (Earth Tech 2000) and has been widely observed in groundwater across the Upper Cape, as stated in a joint Chemical Fact Sheet issued by the Air Force Center for Environmental Excellence (AFCEE), USEPA, MassDEP, U.S Agency for Toxic Substances and Disease Registry (ATSDR), Massachusetts' Department of Public Health, the Joint Program Office, and local officials. The Chemical Fact sheet attributes the widespread presence of chloroform in groundwater in the Upper Cape to several sources including by-product formation in chlorinated public drinking water supplies, municipal and industrial wastewater, and swimming pool and spa water.

Chloroform was detected in all 72 groundwater samples collected for VOC analysis at concentrations ranging from 0.20J to 3 µg/L. The maximum detected concentration was above its RSL but all of the detections were below the total trihalomethanes MCL of 80 µg/L. Chloromethane was detected in more than 5% of samples, but below its RSL. Chloromethane may be present as a degradation product of chloroform (trichloromethane).

6.1.6 Other Analytes

Three pesticides were sporadically and infrequently detected: beta-BHC (0.0065J µg/L), chloramben (0.14NJ µg/L to 0.3NJ µg/L), , and picloram (0.14J µg/L). As documented in AMEC 2002, the analyses for pesticides and herbicides performed prior to 2001 have been affected by interferences that have led to tentative identifications and estimated quantifications of these compounds. In 2001, modifications were made to the herbicide analytical method to minimize interferences (AMEC 2002). As such, the analytical data for these compounds obtained prior to 2001 likely represent false positive results. In addition, none of these pesticides exceeded any of the screening criteria. Consequently, none of these compounds were carried forward into the Feasibility Study.

The herbicide MCPP (2-methyl-5,6-cyclopentapyrimidine) was detected above its HA and RSL. In 2002, the IAGWSP completed an extensive re-sampling program (20 locations) that was conducted to evaluate MCPA (and MCPP) detections reported during earlier sampling efforts at MMR. The analytical results of this program (AMEC 2002) confirmed that essentially all of the earlier detections were, in fact, false positives due to interferences in the herbicide analytical methods previously employed. Therefore, MCPP was not further evaluated.

6.1.7 Groundwater Evaluation Summary

Based on the screening analysis performed, both perchlorate and RDX were identified as COCs in groundwater and were further evaluated in the Feasibility Study. None of the remaining analytes were carried forward for further investigation.

6.2 Soil Evaluation

Table C-2 identifies the contaminants detected in soil in the Northwest Corner. A comparison of the maximum detected concentration of each detected chemical in the soil to a series of screening criteria is presented in Table C-2. These criteria included the MCP Method 1 S-1/GW-1 Standards, MassDEP leaching based soil concentrations, MMR SSLs, and the EPA Region 3 risk-based SSLs. Other factors considered in the risk screening include whether the constituent is a human nutrient and its frequency of detection.

6.2.1 Perchlorate

The maximum detected perchlorate concentration of 7.56 mg/Kg was collected from sample location SS199G along Canal View Road (SS199G) in July 2003. Although this detection exceeded several screening levels, perchlorate is highly soluble and would not be expected to persist in soil. This is supported by multi-increment sampling conducted in 2008 that revealed very low residual concentrations in soils. Since there do not appear to be any existing sources of perchlorate in the Northwest Corner (nearby fireworks displays were discontinued after 2003 and the use of perchlorate-containing pyrotechnics was discontinued in 1997) perchlorate in soils was not evaluated further.

6.2.2 Explosives

Pentaerythritol tetranitrate (PETN) was detected one time. There are no screening values for this compound. However, as stated in Section 4.1.1, this detection predated the use of photo diode array confirmation to support the analytical method and this detection is likely a false positive. The maximum detections of the propellant compounds 2,4-DNT (0.6 mg/Kg) and 2,6-DNT (0.03 mg/Kg) exceeded their respective MMR SSLs of 0.0196 mg/Kg and 0.00876 mg/Kg. However, neither of these compounds has been detected in groundwater in the Northwest Corner.

6.2.3 Metals

The maximum detected concentrations of antimony, arsenic, boron, cadmium, chromium, cobalt, copper, iron, lead, manganese, mercury, molybdenum, selenium, and thallium exceeded there respective MMR SSLs and/or EPA Region 3 SSLs. In addition, the maximum detections of lead (357 mg/Kg) and nickel (27.7 mg/Kg) exceeded their respective S-1 GW-1 standards of 300 mg/Kg and 20 mg/Kg. Due to their low mobility and lack of significant groundwater detections (arsenic was the only compound detected in groundwater above screening levels), none of these metals were further evaluated.

Four other metals were detected that do not have screening criteria; these include calcium, magnesium, potassium, and sodium. These metals are human nutrients and thus were not further evaluated.

6.2.4 Semi-Volatile Organic Compounds (SVOCs)

The maximum detected concentration of several polycyclic aromatic hydrocarbons (PAHs) exceeded one or both of their MMR SSLs and EPA Region 3 SSLs. These PAHs include: benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, and dibenz(a,h)anthracene. PAHs are considered relatively immobile in the environment and none of these compounds were detected in groundwater, thus they were not evaluated further. The maximum detection of the propellant-related compound n-nitrosodiphenylamine exceeded its MMR SSL. However, this compound has not been detected in groundwater and was not evaluated further in the FS.

6.2.5 Volatile Organic Compounds (VOCs)

The maximum detected concentration of acetone, bromomethane, chloromethane, and methylene chloride exceeded their MMR SSLs and/or EPA Region 3 SSLs. Acetone and methylene chloride are common laboratory contaminants and neither compound was detected in groundwater above screening levels. Bromomethane was detected in only 1 of 65 samples (FOD 1.5%) and has not been detected in groundwater. Chloromethane was detected in only 2 of 65 samples (FOD 3%) and has not been detected in groundwater above screening levels. Thus, due to the low frequency of detection and the fact that these compounds have not been detected in groundwater above screening levels, they were not evaluated further in the FS.

Chloroform was detected in 1 of 65 soil samples (FOD 1.5%) at a concentration that exceeded both the MMR and EPA Region 3 SSL. This compound has been detected in several wells in the Northwest Corner, however as stated in Section 6.15 it is ubiquitous within the portion of the aquifer being studied. Thus, due to the low frequency of detection of this compound in soil, it was not evaluated further in the FS.

6.2.6 Other Analytes

The maximum detected concentration of the pesticides dieldrin, gama-chlordane, heptachlor, and heptachlor epoxide exceeded their respective MMR SSLs and/or EPA Region 3 SSLs. These pesticides are not believed to be mobile in the environment and none were detected in groundwater in the Northwest Corner. Therefore, they were not considered further in the FS.

The maximum concentration of the herbicides MCPA and MCPA exceeded both their MMR SSLs and EPA Region 3 SSLs. The analyses for herbicides performed prior to 2001 have been affected by interferences that have led to tentative identifications and estimated quantifications of these compounds. In 2001, modifications were made to the herbicide analytical method to minimize interferences. As such, the analytical data for these compounds obtained prior to 2001 likely represent false positive results. Consequently, these herbicides were not carried forward in the FS.

The maximum detected concentration of PCB-1254 (0.05 mg/Kg) and PCB-1260 (0.03 mg/Kg) exceeded their respective MMR SSLs and EPA Region 3 SSLs. However, both of these compounds were infrequently detected in soil and neither has been detected in groundwater. Therefore, they were not further evaluated in the FS.

Five of the furan congeners and one of dioxin congeners were detected in soil in the Northwest Corner. Both the dibenzofuran mixture toxicity equivalency and dibenzodioxin mixture toxicity equivalency exceeded their respective MMR SSL. Dioxin/furans are not mobile in the environment and none of the congeners were detected in groundwater in the Northwest Corner. Thus dioxin/furans were not further evaluated in the FS.

6.3 Conclusions

A perchlorate plume above the MMCL of 2 µg/L was identified based upon detections of perchlorate in several monitoring wells. In shallow groundwater the plume consists of a largely contiguous area located east of Canal View Road extending down-gradient to the Canal. In deeper groundwater, the perchlorate plume is evident at MW-270. A narrow RDX plume was identified starting northwest of the Former A Range extending down-gradient to the Canal. These areas will be further evaluated in the Feasibility Study. No other soil or groundwater detections warrant further evaluation as part of the Northwest Corner Study RI/FS.

7.0 INVESTIGATION FINDINGS

As part of this investigation, soil sampling was conducted in the vicinity of Canal View Road, an area south of GP-16 (Area 200), the L-3 Range, and Gun Positions GP-12, GP-14, GP-16, and GP-19. Soil sampling for characterization of metals, SVOCs, and dyes was also conducted in targeted areas. Additional soil sampling was conducted at the Gun Positions prior to 2000 to characterize releases due to the use of the positions for artillery firing. This report focuses on the data collected to investigate perchlorate and explosives contamination related to the groundwater plumes at the Northwest Corner. Constituents detected in Northwest Corner soil as part of other investigations (i.e. Gun and Mortar Positions and Small Arms Ranges) were also evaluated in this report with respect to their potential to leach and migrate to groundwater. This evaluation was conducted to determine if any of analytes detected in soil could impact groundwater in the near term and potentially commingle with the existing perchlorate and RDX plumes. A complete discussion and analysis of soil analytical results and the possible need for remedial actions at any of the gun positions (GP-12, GP-14, GP-16, and GP-19) located in the Northwest Corner or at the L3 Range, will be evaluated as part of the Gun and Mortar Positions and Small Arms Ranges investigations, respectively.

Results of the soil characterization for the Northwest Corner are summarized as follows:

- Gun Positions – Perchlorate was detected in 6 of 96 soil samples. The samples in which perchlorate was detected were largely collected from gun positions GP 16 and old GP-19. Detected concentrations ranged from approximately 1.2 to 7.46 µg/Kg.
- Canal View Road – Perchlorate was detected at widely varying concentrations in multiple soil samples collected along Canal View Road. These samples were collected downwind of past off-base fireworks displays, based on prevailing wind directions. Soil perchlorate concentrations generally ranged from <5 µg/Kg to over 60 µg/Kg. Concentrations in excess of 1,000 µg/Kg were reported in a few samples. Perchlorate was detected in one multi-increment sample (0.79 µg/Kg) collected in this area in 2008.
- Other Areas – Generally low levels of perchlorate (<10 µg/Kg) were sporadically detected in some samples collected from certain other areas including Area 200 (to the south of GP-16). In Area 200, perchlorate was detected in soil samples from several grids at concentrations ranging from ~6 – 29 µg/Kg. In this area, the highest perchlorate concentrations were generally observed in surface and/or shallow subsurface soils. Perchlorate was detected in one multi-increment sample collected from Area 200 in 2008 at a concentration 1.1 µg/Kg. Perchlorate was largely absent from soil samples collected from the L-3 Range.
- Samples of paper fireworks debris collected from Canal View Road were characterized by perchlorate concentrations ranging from 302 µg/Kg to 34,200 µg/Kg.
- Explosives compounds were not detected in any soil samples collected.
- Dyes were not detected in any samples collected.
- SVOCs and metals detected were present generally in low concentrations in soil samples.

The data indicate that perchlorate in soil was distributed over a wide area extending from Canal View Road just north of GP-19 northward to GP-16. Once in soil, perchlorate dissolves rapidly and leaches to the subsurface. This was confirmed by the infrequent and low levels detections of perchlorate in the multi-increment samples collected in 2008.

Groundwater sampling of wells in the Northwest Corner was primarily focused on perchlorate and explosives. Eleven monitoring wells were also analyzed for several other parameters including SVOCs, VOCs, pesticides, herbicides, and metals. The analytical results for groundwater are summarized as follows:

- In September 2005, the shallow perchlorate groundwater plume (Figure 7-1) encompassed a 428-acre area that extended from upgradient of Canal View Road northwest to the Canal (5,200 ft long by 4,000 ft wide). The upgradient portion of the plume extended from the water table to 35 feet into the aquifer. With groundwater migration, the plume moves lower in the aquifer extending from 15 to 50 feet bwt at the southern downgradient end at the Canal and from the water table to 30 feet bwt at the northern downgradient end. In 2007 the shallow perchlorate plume encompassed an area of only 364-acres. This decrease in plume area illustrates that fact that the plume is detaching from its source and moving downgradient towards the Canal.
- Perchlorate concentrations within the plume have ranged from 0.28J to 26.3 µg/L with a current maximum concentration of 13.4 µg/L. The highest concentrations of perchlorate were found at the water table beneath Canal View Road, just to the north of GP-19. This area was also characterized by high perchlorate concentrations in soil and the presence of paper fireworks debris after the July 2003 fireworks display.
- The highest concentrations of perchlorate in upgradient wells are at the water table. In downgradient wells, the highest concentrations are in the middle of the plume, 20 to 30 ft below the water table.
- Perchlorate has been detected below 50 feet in the aquifer in four locations within the footprint of the shallow perchlorate plume. Perchlorate was detected in three of these locations below 50 ft bwt at concentrations ranging from 0.39 to 1.5 µg/L and from 50 ft bwt to bedrock in MW-270 located near the Canal at concentrations ranging from 1.2 to 11 µg/L.
- A narrow RDX plume occurs in the middle of the aquifer centered at MW-323 on Canal View Road near GP-19. The detections of RDX appear to be concentrated in two zones, one at 50 ft bwt and one at 125 ft bwt. At MW-323, RDX has been detected at 50 ft bwt (MW 323M2) in a maximum concentration of 9.6 µg/L. Higher concentrations were detected in one upgradient location (BH-363, 15 µg/L) and in lower concentrations in another (MW-350, 0.46 µg/L). The current highest RDX concentration as of May 2008 is 5.6 µg/L. The plume extends downgradient to the northwest and intersects monitoring well MW-284 and wells 4036011 (now abandoned) and RSNW06 (irrigation well), where the concentrations have been consistently less than 1 µg/L.
- RDX has been detected in low concentrations (maximum concentration of 0.42 µg/L) at MW-338 at the water table. Because of the shallow depth, the source of RDX in this well is likely near GP-19.

- Other organic analytes (including SVOCs, VOCs, pesticides and herbicides) were detected infrequently and at low concentrations (generally less than 1 µg/L) well below drinking water standards.
- Metals, though detected frequently, were detected in concentrations well below drinking water standards except where noted in the risk screening.

Groundwater modeling of reverse particle tracks from wells located in the Northwest Corner predict that the shallow perchlorate plume originated from a 370-acre area that extends off-base from the fireworks launch area, north to GP-16, and from the Canal southeastward to Cat Road. This source area encompasses all soil sampling locations where perchlorate was detected and is also consistent with the area of particulate deposition predicted by air dispersion modeling of nearby fireworks displays.

Characteristics of the shallow perchlorate groundwater plume, including the horizontal and vertical distribution of perchlorate, the continuous presence of perchlorate over a wide area, and the detection of the highest concentrations at the point closest to the fireworks launch area in the direction of prevailing wind, fit the conceptual model of a wide aerial deposition of perchlorate from fireworks debris fall-out. The air dispersion modeling results further support the conceptual site model. In addition to the fireworks activities, the use of perchlorate containing pyrotechnics in this area may also be a source for the perchlorate in groundwater.

Groundwater modeling and the physical and chemical properties of perchlorate indicate that once in groundwater, perchlorate is expected to migrate with groundwater relatively unimpeded, at an estimated rate of 2.5 ft/day (Section 2.1.6). At this migration rate, perchlorate released to groundwater at Canal View Road would reach the Canal less than four years after leaching to the water table. The Cape Cod Canal, which is modeled as a groundwater divide, is the western boundary of the plume.

In addition to the shallow perchlorate plume which constitutes the vast majority of perchlorate mass in the aquifer, perchlorate is also detected at depth in a small subset of wells in the center of the plume (MW-270, MW-323, MW-350, and BH-363). With the exception of MW-270, reverse particle tracks generated by groundwater modeling suggest that the source of perchlorate in these wells is located near Avery Road, near the Former A Range. The absence of perchlorate in the intervals above these deeper detections suggests that the source of the deeper perchlorate detections is separate and distinct from that of the shallow perchlorate plume.

A narrow plume of RDX is observed wells crossing beneath the southern boundary of the shallow perchlorate plume near GP-19. This plume is less than 250 ft wide and consists of two distinct vertical zones of elevated RDX concentrations. As with the deeper perchlorate detections, the most likely sources for the RDX are located well upgradient of the Northwest Corner. Reverse particle tracks from the more shallow of the two zones of RDX contamination terminate near Avery Road, near the Former A Range and particle tracks from the deepest concentrations terminate in the Central Impact Area.

A Human Health Risk Screening was prepared for the Northwest Corner. The objective of the risk screening was to identify any contaminants that may require further evaluation in the Feasibility Study.

Constituents detected in groundwater samples were evaluated by comparing the maximum detected concentration of each constituent detected in the groundwater to a series of risk-based screening levels and regulatory criteria. Other factors considered in the screening evaluation were whether the constituent was an essential human nutrient, the frequency of detection of that constituent in the samples, and documented prior false positive analytical results. The results of this screening identified perchlorate and RDX in groundwater at concentrations above drinking water standards and other risk-based criteria. Perchlorate and RDX in groundwater will be further evaluated in the Feasibility Study portion of the report.

Constituents detected in soil samples were evaluated by comparing the maximum concentration of each detected constituent to a series of screening criteria. These included the MassDEP MCP Method 1 S-1/GW-1 Standards, MassDEP leaching based soil concentrations, MMR SSLs, and EPA Region 3 SSLs. As a result of this multi-step screening process, no soil analytes were selected for further evaluation in the Feasibility Study portion of the report.

7.1 Follow-on Actions for Sites Located in the Northwest Corner

As discussed throughout this report, four gun positions (GP-12, GP-14, GP-16, and old GP-19) are located in the Northwest Corner (Figure 7-1). Any potential risk posed by contaminants in soil at these GPs, as well as the need for any future action, will be further evaluated as part of the Gun and Mortar Firing Positions RI/FS.

The need for further investigation of the L-3 Range (Figure 7-1) will be evaluated as part of the Small Arms Range Remedial Investigation. Any potential risk posed by contaminants in soil at this range, as well as the need for any future action, will be evaluated as part of the Small Arms Range RI/FS.

As discussed in Section 5.2, reverse particle tracks from the more shallow of the two zones of RDX contamination terminate near the Former A Range (Figure 7-1) located southeast of the Northwest Corner. However, RDX was not detected in this zone in monitoring wells installed immediately upgradient (MW-441 and MW-350) of the shallow RDX detections at old GP-19. Although a link between the Former A Range and the shallow RDX plume does not appear to currently exist, further evaluation of the RDX detections will be conducted as part of the Former A Range investigation. The source of the low-level RDX detections in MW-338S will be investigated as part of the Gun and Mortar Positions operable unit.

As discussed in Section 5.2, reverse particle tracks from the deeper of the two zones of RDX contamination terminate in the Central Impact Area. Both explosives compounds and perchlorate have been detected within and downgradient of the area. RDX has not been detected in the M-1 well screen in MW-249 which is projected in the particle track analysis to intercept the deeper MW-441 well screen (where RDX was detected at 1.3 µg/L). Thus it appears that the plume detected in the Northwest Corner has become detached from its source. Therefore, potential remedial alternatives to address contamination emanating from the Central

Impact Area will be evaluated in the Central Impact Area Feasibility Study. Remedial alternatives to address RDX detections west of MW-149/MW-249 will be evaluated in this Northwest Corner Feasibility Study.

8.0 NORTHWEST CORNER FEASIBILITY STUDY

This Feasibility Study (FS) presents the results of a detailed evaluation of alternative remedial actions potentially appropriate to address groundwater contamination at the Northwest Corner. In this Feasibility Study, remedial technologies that may be applicable for aquifer restoration for perchlorate and RDX are identified and screened. Subsequently, potential remedial alternatives are developed and a detailed evaluation and comparative analysis of all or some of these alternatives is performed.

This evaluation is based upon the results of the data evaluation (Section 4.0) and risk screening (Section 6.0). As summarized in the investigation findings (Section 7.0), perchlorate and RDX groundwater plumes have been identified migrating off-base from the Northwest Corner of Camp Edwards toward the Cape Cod Canal. Response action objectives (RAOs) are developed and active treatment technologies and associated process options (that may be employed to accomplish these RAOs) are identified and screened (Section 9.0). A range of remedial alternatives, consistent with those outlined the AO3 SOW, is then developed for comparative evaluation (Section 10.0). (Section 10 also includes a summary of supplemental groundwater modeling work that was conducted to update groundwater contours and plume trend analyses and to construct a groundwater flow and transport model (to aid in evaluating the effectiveness of remedial scenarios)). The conceptual design for each alternative is presented and a detailed evaluation of each alternative is performed in accordance with the nine criteria identified in Section III.A of the SOW for AO3 and applicable EPA guidance (Section 11.0).

9.0 DEVELOPMENT AND SCREENING OF TECHNOLOGIES

This section identifies objectives and response actions that form the basis for development of alternatives for the Northwest Corner. Based on these, active treatment technologies and associated process options that may be appropriate for the groundwater plume are identified and screened.

9.1 Response Action Objectives

Based on preliminary information relating to types of contaminants, environmental media of concern, and potential exposure pathways, response action objectives were developed to aid in the development and screening of alternatives. The response action objectives for the selected response action for the Northwest Corner are to restore the useable groundwater to its beneficial use wherever practicable, within a timeframe that is reasonable given the particular circumstances of the site, to provide a level of protection in the aquifer that takes into account that the Cape Cod aquifer, including the Sagamore Lens, is a sole source aquifer that is susceptible to contamination; and to prevent ingestion and inhalation of groundwater containing COCs (RDX and perchlorate) in excess of federal maximum contaminant levels, Health Advisories, DWELs, applicable State standards or an unacceptable excess lifetime cancer risk or non-cancer Hazard Index.

In accordance with AO3, preliminary remedial goals are based on a preference for cleanup to background levels, or where technically impracticable, to levels based on drinking water standards and other health-based levels, EPA risk assessment data, and site characterization data. Table 9-1 presents risk-based and regulatory concentration goals and background concentrations for perchlorate and RDX. For the purposes of this Feasibility Study the background concentration for perchlorate is defined as the detection/reporting limit (0.35 µg/L for most groundwater samples), the MMCL is 2 µg/L, and the EPA HAL is 15 µg/L. The background concentration value for RDX is equal to the analytical reporting limit of 0.25 µg/L. The 10^{-6} risk-based concentration for RDX resulting in an excess lifetime cancer risk of one in a million is currently 0.6 µg/L, the EPA HAL is 2 µg/L, and the MCP GW-1 Standard is 1 µg/L.

9.2 General Response Actions

General response actions are remedial techniques that may be employed to accomplish response action objectives. General response action may include no action, source removal, monitoring, natural attenuation, treatment, containment, land-use controls, or a combination of these actions. Like response action objectives, general response actions are medium specific. Because of the simplicity of the Northwest Corner plumes, the absence of a continuing source, and the limited range of available technologies, the range of scenarios was limited. The alternatives evaluated included no action, Monitored Natural Attenuation (MNA) and Land-Use Controls (LUCs), and focused extraction and treatment of groundwater (with MNA and LUCs).

9.3 Identification, Screening and Selection of Remedial Technologies

The technology screening and selection process has been applied previously for active treatment options at several groundwater plumes at MMR with RDX and perchlorate (Demolition

Area 1 and Southeast Ranges). The Draft Demo 1 Feasibility Study (AMEC, 2001) evaluated remedial technologies to address explosive contaminants present in groundwater based on a review of the literature, vendor information, performance data, and experience in developing other feasibility studies. Other studies have expanded upon the original evaluation with information obtained from operation of the Demolition Area 1 and Southeast Ranges treatment plants.

Groundwater extraction with treatment of explosives by granular activated carbon (GAC) and treatment of perchlorate by ion exchange (IX) resins was recommended for removal of RDX and perchlorate at Demolition Area 1. GAC was implemented at the Pew Road and Frank Perkins treatment systems and has shown, after nearly four years of operation, to be highly successful in meeting the remediation objectives. GAC has also been used in the Southeast Ranges treatment systems (J2 North and J1 South, and J3) to remove RDX from groundwater.

Based on this previous experience and a review of the existing conditions at the Northwest Corner, the appropriate active remedial alternative is groundwater extraction and treatment using granular activated carbon and ion exchange resin.

10.0 DEVELOPMENT OF ALTERNATIVES

In this section, remedial alternatives that are potentially appropriate for the Northwest Corner are identified and developed based upon an assessment of the groundwater modeling results. These alternatives have been developed in consideration of the response action objectives identified in Section 9.0 and to provide a range of remedial alternatives as set forth in AO3.

10.1 Range of Alternatives

Pursuant to the AO3 SOW, the following range of remedial alternatives was developed that consider the following objectives: provide an appropriate level of protection to the aquifer underlying the training ranges and impact area; evaluate and address the short-term and long-term potential for human exposure; and consider the potential threat to human health if the remedial alternative proposed were to fail:

- A no-action alternative to serve as a baseline for alternative comparisons.
- An alternative that, throughout the entire groundwater plume, reduces the contaminant concentrations to background conditions;
- An alternative that, throughout the entire groundwater plume, reduces the contaminant concentrations to levels that meet or exceed all MCLs, Health Advisories, DWELS, other relevant standards, and a cumulative 10^{-6} excess cancer risk. It shall achieve this objective as rapidly as possible and must be completed in less than ten (10) years and shall require no long-term maintenance.
- A limited number of remedial alternatives that attain site-specific remediation levels within different restoration time periods utilizing one or more different technologies if they offer the potential for comparable or superior performance or implementability; fewer or lesser adverse impacts than others available approaches; or lower costs for similar levels of performance than demonstrated treatment technologies.

A range of alternatives from no action to focused extraction and remediation of the plume are considered in this feasibility study. The source area appears to be depleted and no further contribution from soil to groundwater contamination is expected, therefore the range of alternatives does not include source area remediation.

10.2 Development of Alternatives

Three alternatives have been developed to address the response action objectives presented in Section 9.0 and to meet the requirements set forth in the AO. Each of the alternatives reduces the contaminant concentrations to background conditions. In addition, each alternative reduces the contaminant concentrations to levels that meet or exceed all regulatory and risk-based standards in 10 years or less.

- Alternative 1 – No Action
- Alternative 2 – Monitored Natural Attenuation (MNA) and Land-Use Controls (LUCs)
- Alternative 3 – Focused Extraction (with MNA and LUCs)

Alternative 1 – No Action

Under this alternative, no further action would be taken to remediate groundwater at the Northwest Corner. Long-term monitoring would not be continued and land-use controls would not be implemented.

It is assumed that some level of documentation would be necessary to close out the site. This would include reporting of the last groundwater monitoring results and plume status. Then, the site would be closed out. It is assumed that the level of effort for preparing this documentation would be similar to an annual monitoring report.

All monitoring wells would be abandoned as per industry standard operating procedures. The scope and cost of well abandonment is expected to be similar to well abandonment completed at other sites at MMR. Approximately 30 well settings would be abandoned.

Alternative 2 – Monitored Natural Attenuation and Land-Use Controls

This alternative would rely upon natural attenuation processes to reduce groundwater perchlorate and RDX concentrations below cleanup levels. Under this remedial alternative, long-term groundwater monitoring would be implemented at the Northwest Corner to monitor changes in the groundwater plumes.

Land-use controls, to restrict exposure to groundwater, would be implemented as appropriate to minimize risk of potential of exposure to contaminated groundwater.

Prior to termination of the proposed activities, a residual risk assessment shall be conducted, pursuant to a work plan approved by EPA, in consultation with MADEP, to determine if perchlorate and RDX concentrations remaining in the aquifer pose unacceptable human health risks. When it is determined that acceptable risks have been achieved, all monitoring wells would be properly abandoned and closeout documentation would be prepared.

Alternative 3 – Focused Extraction

Focused Extraction (groundwater extraction with ex situ treatment) has been selected as a potentially appropriate active groundwater restoration alternative. As proposed, this alternative would consist of the following principal components:

- Installation of three (3) extraction wells to intercept the shallow perchlorate plume and deeper RDX plume. These three wells will be located along the spine of the plumes;
- Ex situ treatment of contaminated groundwater using a sequential treatment train consisting of granular carbon and ion-exchange (IX) resin. A treatment flow rate of 100 gpm per extraction well is assumed (based on other extraction wells at MMR);
- Re-injection of treated groundwater;
- Continuation of long-term monitoring and land-use controls;
- Performance of a residual risk assessment to confirm that acceptable risk levels have been achieved in the aquifer;
- Abandonment of all monitoring and extractions wells; and

- Preparation of closeout documentation.

This alternative and associated approach is consistent with other active treatment technologies that have been successfully employed elsewhere at MMR. The estimated treatment flow rate of 100 gpm per extraction well has been assumed based upon the groundwater modeling results considered in conjunction with modeling results for active treatment alternatives for other plumes on MMR.

10.3 Groundwater Modeling Evaluation

To support model development, groundwater data collected through November 2006 was used to update the groundwater cross-sections. In conjunction with the data evaluation, groundwater data trend analysis was performed with sampling data through 2008. A groundwater flow and transport model was constructed to aid in evaluating the effectiveness of remedial scenarios. The model was constructed and calibrated to simulate the movement of the perchlorate and RDX plumes. This modeling effort is detailed in Appendix D and summarized in this section.

10.3.1 Perchlorate Data and Plume Trend Analyses

As stated above, the data cut-off for the report was September 2005. Since that date, groundwater data has continued to be collected and are presented in Appendix A Table A-7.

The tables provide the concentration detected in each sampling round, the average annual concentration for that well screen, and the maximum annual concentration detected in that well screen. From the data in the table, updated cross sections were prepared. As noted, these cross sections were updated to incorporate more sampling data through November 2006. Figures 10-1 through 10-9 illustrate the updated hydrogeological cross-sections. These cross-sections were used to develop isopleth maps and three dimensional plume shells used as the initial conditions in the groundwater modeling for the Feasibility Study. In addition, Time Series Plots were developed for selected multi-well locations within the Northwest Corner plume (Figures 10-10 to 10-20).

Samples were collected from key monitoring wells on an annual (or, in some cases, semiannual) basis. Three wells located along Canal View Road (MW-277, MW-278, and MW-279) were sampled on a monthly basis prior to prior to 2006. These wells were sampled more frequently because they are located within the perchlorate source area, and are therefore key indicators of source loading. Historically, the concentration of perchlorate in these three wells was higher than in other wells located within the Northwest Corner.

To better evaluate the data for perchlorate contaminant trends, the data for all of the wells were contoured for each year from 2003 (the first year with a suitable data set of perchlorate data) to April 2007. With the exception of the single sampling round of 2007, the average concentration for the calendar year was used in contouring the perchlorate data. This data was recently compared to 2008 sampling events to evaluate trend concentrations as predicted by modeling and actual results.

Water table wells and deeper wells were contoured separately and are presented in Figures 10-21 and 10-22, respectively. The source area wells located along Canal View Road are identified in the figures, and the results are presented in chemical data boxes. The contour maps for the water table wells clearly show a decrease in concentration, especially in the more recent sampling rounds. Average annual perchlorate concentrations in the source area water table wells are presented in Table 10-1.

The decrease in source loading of perchlorate into the aquifer is further evidenced by the reduction over time in the area within the non-detect (ND) and 2 µg/L contours as defined by the water table wells. Table 10-2 compares the size of the ND and 2 µg/L contours for each year since 2003 for both water table wells and deeper wells.

The conceptual model is that perchlorate was deposited on site soils primarily as a result of aerial deposition. Potential sources of perchlorate deposition were discontinued in 2003. Perchlorate does not adsorb to site soils and migrates downward to the water table as evidenced by the rapid decrease in soil concentrations.

As the perchlorate contamination moves downgradient, it also moves deeper into the aquifer as a result of groundwater recharge and vertical gradients. Therefore, it was expected that the deeper wells would increase in concentration until the time that the trailing edge moves beyond these deeper wells. This expectation is supported by the actual data from the deeper source area well screens. Table 10-3 summarizes the average annual perchlorate concentrations detected in deeper well screens for each source area well.

Additional time series graphics for perchlorate contamination along the line of section J-J’ were developed to further illustrate the movement of contaminated groundwater from the source area to the Canal (Figures 10-23 through 10-25). The cross section originates at 95-15C, cuts through the source area at MW-278, and terminates at the Canal near MW-297. Average annual perchlorate concentrations presented in Table D4-1 were used to construct the time series cross sections for 2003 through 2006. Data at the time these sections were developed was only available for spring 2007. That data set was utilized instead of an average concentration. The sections indicate that monitoring well MW-278S is in the highest concentration area of the source and that, as time elapses, source strength diminishes as the plume moves from the source area towards the Canal. Subsequent monitoring of the well screens in the source area continue to show decreasing concentrations as the source material is depleted from vadose zone soils and moves downgradient toward the Canal. For example, the perchlorate concentration used to draw the 2007 cross-section (Figure 10-25) was 6.9 µg/L. Perchlorate concentrations detected in this well during the two most recent sampling events were 5.3 µg/L in October of 2007 and 2 µg/L in May of 2008.

Based upon the data collected to date, it does not appear that the downgradient wells located along the Canal approach the contaminant concentrations observed in the source area wells. Despite concentrations up to 26 µg/L in source area wells, the concentrations of perchlorate in monitoring wells located along the Canal have consistently remained relatively low (below 3 µg/L). This phenomena is likely due to natural attenuation processes operating immediately downgradient of the source area (such as dispersion), as well as the Canal being such a significant hydrologic boundary. In essence, the plume is greatly diluted in monitoring wells along the Canal by water seeping from the Canal during high tide and the discharge of large volumes of groundwater to the Canal during low tide.

In summary, it is apparent from the data collected to date that the perchlorate contaminant plume is migrating downgradient of the source area along Canal View Road. At the same time, the contaminant plume is moving deeper into the aquifer. It is expected that the existing trends will continue until the contaminant plume completely discharges into the Canal.

10.3.2 RDX Data and Plume Analysis

RDX has not been detected in any soil samples collected in the Northwest Corner Study Area. Similarly, other than sporadic low level detections in MW-338 (below 0.42 µg/L), RDX has not been detected in water table samples. Thus, it does not appear that there is a significant source of RDX contamination within the Northwest Corner study area.

The RDX plume detected within the Northwest Corner is very narrow, and relatively deep, in comparison to the perchlorate plume. Based on study results, the upgradient edge of the RDX plume was considered to end within old GP-19. In 2006, a new well (MW-441) was installed at the southeastern edge of old GP-19, in approximately the same location as DP-405. Groundwater data from this monitoring well confirmed that the shallow RDX plume (maximum detection of 15 µg/L at 25 feet below water table) does not extend beyond the southeastern edge of old GP-19.

However, deeper samples indicated that the upgradient edge of the deeper RDX plume (maximum detection of 2 µg/L at 133 feet below water table) extends further southeast than old GP-19. RDX was also detected at similar concentrations (and depths) in drivepoints installed approximately 1,500 feet to the southeast. Based on this data, it is apparent that the deeper RDX plume likely originated within the Central Impact Area. However, RDX has not been detected in the M1 well screen in MW-249, which is projected in the particle track analysis to intercept the deeper MW-441 well screen (where RDX was detected at 1.3 µg/L). Thus, it appears that the plume detected in the Northwest Corner has become detached from its source.

Based on the MW-441 data, and the similar concentrations (and depths) detected in the drivepoints, the RDX plume depiction was changed such that its upgradient extent is illustrated to extend to a point between the drivepoints installed along the power line and MW-249 (see Figure 10-1). Cross-Section I-I' (Figure 10-9) was also revised to incorporate the more recent data. This figure illustrates the horizontal and vertical extent of the contamination along the groundwater flow path. The plume shells were revised based on the new data collected. This study evaluates the fate and transport of the plume based on the revised plume shells. Any contamination detected southeast of this plume depiction will be addressed in the Central Impact Area study.

10.3.3 Groundwater Modeling

During previous MMR modeling efforts, the USGS Western Cape groundwater model (Masterson et al., 1998, Masterson and Walter, 2000) provided the underlying framework for the MMR-10NW regional groundwater model. This model was further refined into the MMR-10M4 subregional model to cover the Northwest Corner. To support this study, a smaller section of this model was cut out using telescopic mesh refinement techniques. The current model was constructed with 20 layers and a uniform grid spacing of 50 foot squares in a 305 row, 260 column array to cover an area of approximately 7 square miles. Using recent groundwater levels, the model was calibrated to within 5.3% of the residual standard deviation over the range of groundwater targets. Groundwater Vistas, Version 4.20 Build 1 was the pre and post-processor used to incorporate groundwater flow and contaminant transport properties into the model. The USGS modular finite-difference groundwater flow modeling code, MODFLOW96 (Harbaugh and McDonald, 1996; McDonald and Harbaugh, 1988) was selected to simulate groundwater flow. The USGS particle tracking code, MODPATH, was selected for computing forward and reverse particle tracks (Pollack, 1989 and 1994). MODPATH utilizes the groundwater flow output from MODFLOW96 to predict flow paths. The modular three-dimensional multispecies transport model MT3DMS (Zheng and Wang, 1999) was selected to simulate contaminant fate and transport. The program utilizes groundwater flow velocities to predict concentrations while considering advection, dispersion, diffusion, and basic chemical reactions (e.g., sorption and decay). As with MODFLOW and MODPATH simulations, Groundwater Vistas was used to pre-process and post-process transport data.

The mass of perchlorate in the plume was determined by taking perchlorate data available from 2003 through June 2007 (Table D4-1 in Appendix D) and then using MODPATH to "migrate" the data to a June 2007 starting point. These multilevel data were then posted on cross sections (Figures 10-1 through 10-9) and assembled into isopleth (contaminant concentration contours) maps. The initial mass of perchlorate in the model is approximately 29.5 pounds.

The model was then used in a predictive fashion to examine perchlorate movement with the plume shell considered to be the starting point for the mass distribution throughout the plume and representative of 2007 conditions. As previously discussed, perchlorate is a very mobile chemical. Therefore, perchlorate was treated in the model as a conservative contaminant meaning there was no retardation (adsorption on aquifer materials that delays transport and increases travel times) and there was no reduction in mass attributable to degradation (loss of mass through microbial or chemical processes). Additionally, no continuing or residual sources were assumed.

Results of perchlorate plume movement through time are assembled in a time series in Figure 10-26 showing a step-wise migration of the plume through the years. The entire perchlorate mass is moved through the aquifer towards the Cape Cod Canal. By 2012, perchlorate concentrations are predicted to be below 2 µg/L throughout the entire Northwest Corner Area from the MMR boundary to the Cape Cod Canal. In addition, model simulations indicate that background concentrations for perchlorate (0.35 µg/L) will be achieved by 2019.

Similar to perchlorate, RDX plume shells were constructed from data available from 2005 to 2007 and cross sections (Figures 10-1 through 10-9). The time series panels for RDX are provided in Figure 10-27. RDX, concentrations are predicted to be below 2 µg/L by 2012, below 0.6 µg/L by 2022 and below 0.25 µg/L by 2044.

10.3.4 Actual Data Trends vs. Model Predictions

The 2008 multi-increment soil sampling results (Section 4.1) show perchlorate soil concentrations have decreased in both concentration and extent. As discussed above perchlorate was only detected at two locations. At location 200B, the reported concentration was 1.1 µg/Kg in the 0-0.5' sample. At location 199F the reported concentration was 0.79 µg/Kg. This concentration represents over a 99.9 percent reduction in the source concentration. In addition, the time series plots for perchlorate (Figures 10-10 through 10-20) show a significant decrease in water table perchlorate concentrations. This downward trend continued in groundwater samples collected in late 2007 and early 2008 such that the three source area water table wells (MW-277S, MW-278S, and MW-279S) with the previous highest concentrations in the plume are currently at or below 2 µg/L. Based on this data, it appears that the source material has largely been depleted.

The 2008 groundwater data from a well downgradient of the source area, MW-270, also supports this overall reduction in plume concentrations. While the concentration in shallow well MW-270S has remained around the 2 µg/L since 2006 the deeper screen, MW-270M1, has dropped in concentration from 13 µg/L to approximately 5 µg/L.

It seems likely that, if the current trends continue, the water table well screens in the source area should be below 2 µg/L by the end of 2009. The model predicts that the 2 µg/L contour (both shallow and deep well screens) will be beyond the base boundary by 2010. The actual data and the modeled results both seem to be relatively comparable in terms of timeframes for plume migration.

The time series cross sections created for J-J' (Figures 10-23 to 10-25) further illustrate the movement of contaminated groundwater from the source area to the Canal. The cross sections show monitoring well MW-278S in the source area and that, as time elapses, source strength diminishes. The plume moves from the source area towards the Cape Cod Canal. Subsequent monitoring of this well shows continuing decreasing concentrations as the source material is flushed from vadose zone soils and moves downgradient toward the Canal. In rough measurements, the 2 µg/L contour has moved approximately 500 feet in 3.5 years (along this cross-sectional axis). Assuming the same rate of migration, the trailing edge of the 2 µg/L contour should reach MW-278S by approximately 2010. Again, this is consistent with the model prediction.

There is some uncertainty in the above predictions and comparisons. Factors such as annual precipitation, local groundwater flow velocity variations, and isolated areas of persistent source area contribution could all affect the predicted migration rates. However, on a relative basis, the modeled plume migration seems to match the contaminant migration trends.

For RDX, the model predicts that the 2 µg/L contour will have moved downgradient of the base boundary before 2008 (see Appendix D). However, in May 2008, monitoring well MW-223M2 (located on the base boundary) had a detection of 5.6 µg/L. Thus it appears that RDX concentrations above 2 µg/L extended further upgradient than anticipated when the plume shells were prepared in November 2006. This likely caused a slight underestimation of RDX mass in the plume. However, the total length and width of the plume used in the groundwater model still appears to be generally accurate. Thus the model simulation presented in Appendix D provides a reasonable prediction of the behavior of the RDX plume through time.

11.0 DETAILED EVALUATION OF ALTERNATIVES

11.1 Introduction

The following subsections describe the conceptual design and the criteria for the detailed analysis of each alternative.

11.1.1 Conceptual Design

A conceptual design has been developed for each alternative. Each conceptual design includes the following components as applicable:

- Number, location, and sampling frequency of existing locations needed to monitor the plume;
- Number and location of any new monitoring wells needed;
- Number and locations of extraction wells and estimated groundwater extraction flow rates;
- Type, size, and location of treatment facilities;
- Location of injection wells;
- Preliminary schedule for construction and operation; and
- Preliminary cost estimate.

The conceptual designs for the three alternatives are based on the following information:

- The plume extent and concentration (Figure 10-1) as delineated based on the groundwater analytical data available as of November 2006.
- The mass of perchlorate and RDX based on the November 2006 plume shells are estimated to be 29.5 lbs and 1.7 lbs, respectively.
- Aquifer characteristics as documented in the investigation section of this report;
- Predictions of groundwater flow and contaminant fate and transport as estimated by groundwater modeling;
- The success of the existing groundwater monitoring plan;
- Treatment equipment would be similar to that used previously by the program (e.g., modular treatment systems). The treatment system design would be the same as the J-1 South Rapid Response Action system assuming treatment containers of three pairs of 1,000-pound GAC vessels per 100 gpm of influent flow rate. The vessels in each container would be plumbed such that three pairs run in series;
- Groundwater monitoring (where applicable) would continue for three years after response action objectives have been achieved.

Preliminary cost estimates were prepared for each alternative. Each estimate includes the following components:

- Capital costs which are expenditures required to initiate and install a response action;

- Operation and Maintenance (O&M) costs which are post-implementation costs necessary to ensure the continued effectiveness of the response action. O&M costs may include monitoring, labor, reporting; electricity costs, equipment replacement, and disposal of treatment residuals; and
- Indirect costs, including contingencies and engineering services.

11.1.2 Criteria for Detailed Evaluation

This evaluation consists of an assessment of three alternatives against nine evaluation criteria, as identified by Section III.A of the Statement of Work for AO3 and EPA guidance (EPA, 1988, 1990, 2000b).

The relative performance of each alternative is evaluated using the following nine criteria:

1. Overall Protection of human health and the environment including
   - Prevention of movement of contaminants into the aquifer and its preservation as a public drinking water supply.
2. Compliance with regulations including:
   - Federal regulations, and
   - State regulations.
3. Long-term effectiveness and permanence considering:
   - The risks remaining after completion of the remedial action;
   - The adequacy and suitability of controls, if any, that are used to manage untreated contaminants remaining at the site.
4. Reduction of toxicity, mobility, and volume through treatment including:
   - The expected reduction in toxicity, mobility or volume measured as a percentage or order of magnitude;
   - The type and quantity of treatment residuals that will remain following treatment.
5. Short-term effectiveness, including:
   - Protection of the community during the remedial action;
   - Protection of workers during remedial action;
   - Environmental impacts to natural resources;
   - Time until remedial response objectives are achieved.
6. Implementability, considering:
   - Technical feasibility, including:
     - Construction and operation;
     - Reliability of technology;
     - Ease of undertaking additional remediation, necessary;
     - Monitoring considerations, addressing the ability to adequately monitor the effectiveness of the remedy and the risks should monitoring be insufficient to detect a system failure.
   - Administrative feasibility;

- Availability of services and materials, including:
  - o Availability of adequate offsite treatment, storage capacity, and disposal services;
  - o Availability of necessary equipment and specialists, and any other necessary resources;
  - o The potential for obtaining competitive bids (especially for innovative technologies); and
  - o Availability of prospective technologies.

7. Cost, considering:
   - Capital costs, both direct and indirect;
   - Annual O&M costs; and
   - Present worth analysis (or net present value) of costs.
8. State Acceptance, considering:
   - Issues and concerns that the State may have regarding each alternative. This criterion will be evaluated throughout the development, screening and evaluation of alternatives based on comments and input received from MassDEP.
9. Community Acceptance which entails:
   - An evaluation of issues and concerns the public may have regarding each alternative. This criterion will be evaluated throughout the development, screening and evaluation of alternatives.

11.2 Alternative 1 – No Action

11.2.1 Description

Alternative 1, the No Action Alternative, includes no further action being taken to remediate or prevent the continued migration of RDX and perchlorate plumes in the Northwest Corner. This includes, but is not limited to, continued groundwater monitoring, restricting exposure to contaminated groundwater (through land-use controls) or active groundwater restoration. This alternative would include only site close-out documentation and monitoring well abandonment.

11.2.1.1 Assumptions

It is assumed that some level of documentation would be necessary to close out the site. This would include reporting of the last groundwater monitoring results and plume status. It is assumed that the level of effort for preparing this documentation would be similar to an annual monitoring report.

The scope and cost of well abandonment is expected to be similar to well abandonment completed at other sites at MMR. Approximately 30 well settings would be abandoned.

11.2.2 Conceptual Design

Site closeout for this alternative would include the following actions:

- All monitoring wells would be properly abandoned at the site, and
- Site closeout documentation would be prepared.

This alternative would be implemented after completion of the Decision Document. It would take less than six months from that time to complete the abandonment of the monitoring wells. Site close-out documentation could be completed within the same six-month period.

11.2.3 Detailed Evaluation

11.2.3.1 Overall Protection of Human Health and the Environment

Alternative 1 would not prevent the migration of the plume, and the groundwater downgradient of the Northwest Corner source area may remain above risk-based standards for several years, limiting its availability as a public drinking water supply. Alternative 1 offers no groundwater monitoring (to monitor future changes in contaminant concentrations or plume configuration) or monitoring or confirmation of existing land-use controls (to ensure that future exposures do not occur). As discussed, perchlorate and RDX concentrations are expected to drop below their respective MMCL (2 μg/L) and HA (2 μg/L), by 2012. In addition, RDX is expected to drop below the risk-based level of 0.6 μg/L by 2022 (see Table 11-1).

11.2.3.2 Compliance with Regulations

Alternative 1 allows for continued migration of the plume. Because no action is taken, chemical-specific regulations would be met only if and when contaminant concentrations decreased below the cleanup standards by natural attenuation. Based on model predictions, Alternative 1 would be compliant with chemical-specific regulations across the entire plume by approximately 2022. Because this alternative takes no action, there are no location-specific or action-specific regulations to be met.

11.2.3.3 Long-Term Effectiveness and Permanence

Groundwater modeling results indicate that natural attenuation processes will reduce perchlorate and RDX concentrations below 2 μg/L within approximately 3 years (Table 11-1). RDX will be reduced to below 0.6 μg/L in approximately 13 years. Because no further contribution from the source area is likely, this Alternative is expected to be permanent.

11.2.3.4 Reduction of Toxicity, Mobility, and Volume through Treatment

No treatment would occur, therefore, no reduction in toxicity, mobility, or volume would occur through treatment. However, the toxicity and volume of the contaminated groundwater are expected to be reduced through natural processes.

11.2.3.5 Short-Term Effectiveness

There would be little to no effect on the community, workers or natural resources from implementing Alternative 1 because no construction work would be involved other than well abandonment. A site-specific health and safety plan (HASP) would be followed during well abandonment.

Under this alternative, environmental impacts would be minimal because Alternative 1 includes only well abandonment.

11.2.3.6 Implementability

Alternative 1 would require no technical implementation other than well abandonment which has been done successfully many times at MMR. Administratively, this alternative is feasible.

11.2.3.7 Cost

The cost estimated for Alternative 1 is $150,000, which includes the abandonment of 30 wells and closeout documentation.

- Capital cost: $ 50,000
- Present worth of O&M: $ 0
- Site closeout documentation: $100,000
- Total present worth: $150,000

Appendix E provides detailed calculations of the cost of Alternative 1.

11.3 Alternative 2 – Monitored Natural Attenuation and Land-Use Controls

11.3.1 Description

Under this alternative, long-term groundwater monitoring would be implemented to monitor and confirm the expected natural attenuation of the groundwater plume, land-use controls would be implemented to prevent access to the contaminated portions of the aquifer for drinking water, monitoring wells would be abandoned in the future when the monitoring program is complete. Prior to this step, a residual risk assessment would be performed to evaluate potential risks, if any, posed by residual levels of contaminants remaining in groundwater. Upon approval of this document, site close-out documentation would be prepared and submitted to the regulators for concurrence.

11.3.1.1. Assumptions

This alternative is based on the following assumptions:

- The monitoring program would be optimized yearly as the plume attenuates; and
- Costs are estimated for a 16 year monitoring period based on the expected time until the RDX plume dissipates to below 0.6 μg/L (estimated at 13 years) with continued confirmatory monitoring in several wells for an additional three years.

11.3.2 Conceptual Design

Groundwater monitoring would continue using the same sampling and analytical protocols currently in use according to the existing monitoring program (AMEC, 2005b) and optimized yearly as the plume attenuates.

Under this alternative, land-use controls would be implemented to minimize potential risk of exposure to contaminated groundwater from the RDX and perchlorate plumes. These land use controls may include those that relate to property that is under the control of the Army through the existing lease between the Commonwealth of Massachusetts and the US Army (i.e. on-post administrative controls), those that relate to property that is not under the control of the Army (i.e. off-post institutional controls), and those that relate to the property after the lease between the Army and the Commonwealth has expired (i.e., post-lease controls).

On-post land-use controls would be established by the Army, Massachusetts National Guard, and any other entity in control of the on-post areas. The program would include monitoring the effectiveness of the land-use controls.

Some off-post land use controls could be required since perchlorate concentrations above 2 µg/L have been detected off-post, downgradient of Canal View Road.

Following completion of the proposed activities, as documented in the Residual Risk Assessment, all monitoring wells would be properly abandoned and closeout documentation would be prepared.

The groundwater monitoring portion of this alternative is already in place. Land-use controls would be implemented in 2009.

11.3.3 Detailed Evaluation

11.3.3.1 Overall Protection of Human Health and the Environment

Alternative 2 would provide overall protection of human health and the environment through the near-term implementation of land-use controls relating to the use of the aquifer. Specifically, land-use controls would prevent use of the aquifer as a drinking water source. Over the longer term, groundwater modeling results indicate that natural attenuation processes are expected to reduce groundwater perchlorate and RDX concentrations to below 2 µg/L within approximately 3 years (by 2012). RDX is expected to be reduced to below 0.6 µg/L in approximately 13 years (by 2022). Alternative 2 also includes long-term monitoring of the groundwater plume to monitor changes in the groundwater plumes and confirm that cleanup levels have been achieved.

11.3.3.2 Compliance with Regulations

Alternative 2 would comply with applicable regulations. Supporting information is provided in Table 11-2.

11.3.3.3 Long-Term Effectiveness and Permanence

Under Alternative 2 natural attenuation processes is expected to permanently reduce perchlorate and RDX concentration to below 2 µg/L by 2012 (Table 11-1). RDX is expected to be reduced to below 0.6 µg/L in approximately 13 years (by 2022). The model simulations indicate that background for perchlorate (0.35 µg/L) will be achieved by 2019 while background for RDX (0.25 µg/L) will be achieved by 2044. A long-term monitoring program would be implemented to evaluate future changes in perchlorate and RDX concentrations, to confirm that cleanup levels have been achieved, and ensure long-term effectiveness. Because no further contribution from the source is likely, this alternative is expected to be permanent.

11.3.3.4 Reduction of Toxicity, Mobility, and Volume through Treatment

Under Alternative 2, no treatment would occur, therefore, no reduction in the toxicity, mobility, or volume would occur through treatment. However, the toxicity and volume of the contaminated groundwater are expected to be reduced through natural processes.

11.3.3.5 Short-Term Effectiveness

Alternative 2 would have only a minimal impact on the community, workers, or the environment since no active remedial actions would be undertaken. Current land-use control programs would be examined and enhanced, if deemed necessary. Long-term groundwater monitoring is already ongoing.

11.3.3.6 Implementability

Alternative 2 would be technically feasible and readily implementable as no active treatment system would be constructed. Therefore no issues regarding the reliability of technology or ease of undertaking additional construction activities would arise. In addition, existing land-use controls would be examined and enhanced, if deemed necessary. Long-term monitoring is already ongoing at the Northwest Corner.

11.3.3.7 Cost

The overall cost associated with Alternative 2 is estimated at approximately $1.2 Million (see Appendix E). The primary components of the overall cost are detailed below and include analysis costs associated with the long-term monitoring program, well abandonment, and site closeout documentation.

- Capital cost: $ 50,000
- Present worth of O&M: $1,048,000
- Site closeout documentation: $ 100,000
- Total present worth: $1,198,000

Appendix E provides detailed calculations of the cost of Alternative 2.

11.4 Alternative 3 – Focused Extraction (with MNA and LUCs)

11.4.1 Description

Alternative 3 includes all of the features of Alternative 2 but adds focused extraction. Under this remedial alternative groundwater would be extracted using three extraction wells. One extraction well would be located near the leading edge of the plume along Route 6A. A second extraction well would be located on the base boundary along Canal View Road in the approximate center of the RDX plume and a third would be located in the Port-of-Call community half way between Canal View Road and the Canal. The extraction wells will be located to capture the highest concentrations of contaminants in the plume. The extraction wells would extend through the vertical extent of the plume, approximately 40 feet (10 feet above mean sea level to 30 feet below mean sea level). The extracted water would be treated at an above ground treatment system housed within modular treatment systems. Groundwater would be treated using activated carbon and ion exchange resin.

Long-term groundwater monitoring would be implemented at the Northwest Corner to monitor changes in the groundwater plume and to confirm that cleanup levels have been achieved. Under Alternative 3, land-use controls would be implemented as appropriate to ensure protection of human health and the environment.

11.4.1.1 Assumptions

This alternative is based on the following assumptions:

- Monitoring at selected well screens is included until the start of active treatment, then the program would be optimized as the plume size is reduced and continue until three years after remediation goals are achieved; and
- Costs are estimated for a 13 year time period.

11.4.2 Conceptual Design

The groundwater would be extracted using submersible electric pumps, which would also provide the necessary head to transport the groundwater through the subsurface piping and through the treatment facilities. New power poles would need to be constructed from Route 6A to the east since there is no existing power infrastructure in the Northwest Corner area. Groundwater would be extracted using three wells located down the spine of the RDX plume (see Figure 11-1). These extraction wells will capture most of the RDX plume. As shown in Figure 11-1, one extraction well will be located at the base boundary on Canal View Road to capture the upgradient portion of the plume. It is estimated that the trailing edge of the RDX plume will be 1,500 ft upgradient of the Canal View Road extraction well at the time of system startup in 2010. Using a groundwater velocity of 2.5 feet per day for the shallow part of the aquifer and retardation factor of 1.1 for RDX, it will take approximately 660 days (2 years) for the trailing edge to reach this well. The RDX plume downgradient of Canal View Road will be captured by two extraction wells. The distance between the Canal View Road extraction well and Route 6A is approximately 3,500 feet. Particle track analysis indicates that it will take the deepest part of the RDX plume approximately 20 years to travel this distance. This section of the plume will be divided into two equal segments each representing 10 years of groundwater travel time. The midpoint extraction well will be located in the Port-of-Call housing community while the leading edge well will be located along Route 6A. Based on travel time estimates, both the RDX risk based level (0.6 μg/L) and background (0.25 μg/L) will be achieved within 10 years of system startup or by 2020. The extraction well network will also capture a small part of the southwestern portion of the perchlorate plume while the northeastern part of the plume will be allowed to naturally attenuate. Similar to Alternatives 1 and 2, the 2 μg/L level for perchlorate will be achieved by 2012 while the background level (0.35 μg/L) will be achieved by 2019.

The treatment facility would be similar to those used at other locations where similar flow rates and contaminants are treated. The system would be housed in a steel shipping container like those used at other locations including J-1 South and Demolition Area 1. These have come to be known as modular treatment units (MTU). The treatment process would be the same as the J-1 South system with three pairs of 1,000-pound GAC vessels (6,000 pounds total) in series.

Treated water would be injected to the aquifer via three new injection wells. A screen length of 40 feet (10 feet above mean sea level to 30 feet below mean sea level) will dissipate the treated water with a head buildup that is simulated to be approximately 2.5 to 3 feet.

Operation and maintenance activities would include periodic system checks, sampling, disposal of treatment residuals, and routine maintenance of pumps and other equipment.

Long-term groundwater monitoring of the Northwest Corner area would continue using the same sampling and analytical protocols currently in use and optimized yearly. Long-term monitoring would be reduced when the remedial goals are achieved and terminated approximately three years thereafter.

Operation and monitoring plans would be developed to describe monitoring of the treatment system and the plume concentrations. The results of influent and effluent sampling of the treatment system would be used to estimate mass removal of contaminants, ensure compliance with discharge requirements, and determine the need for GAC change-outs.

Under this alternative, land-use controls would be implemented to minimize potential risk of exposure to contaminated groundwater from the Northwest Corner plume. On-post land-use controls would be established by the Army, Massachusetts National Guard, and any other entity in control of the on-post areas. The program would include a process to monitor the effectiveness of the land-use controls.

Prior to site closeout, a residual risk assessment would be performed to evaluate potential risks, if any, posed by residual levels of contaminants remaining in groundwater. Upon approval of this document, site close-out documentation would be prepared and submitted to the regulators for concurrence. In addition, all monitoring, extraction, and injection wells would be properly abandoned and the treatment system would be disassembled and removed from the site.

Design and construction of this alternative could be completed within one year from the final Remedy Decision.

11.4.3 Detailed Evaluation

11.4.3.1 Overall Protection of Human Health and the Environment

Alternative 3 would provide overall protection of human health and the environment through the near-term implementation of land-use controls relating to the use of the aquifer and groundwater plume extraction and treatment. Land-use controls would prevent use of the aquifer as a drinking water source. Groundwater extraction and treatment would subsequently reduce plume perchlorate and RDX concentrations below cleanup levels. Similar to Alternatives 1 and 2, the 2 ug/L level for both perchlorate and RDX would be achieved by 2012. Background concentrations for perchlorate (0.35 μg/l) would be achieved for by 2019. For RDX, the risk based level of 0.6 μg/L and background concentration of 0.25 μg/l should be achieved within 10 years of system startup or by 2020.

11.4.3.2 Compliance with Regulations

Alternative 3 would comply with applicable regulations. Supporting information is provided in Table 11-2.

11.4.3.3 Long-Term Effectiveness and Permanence

Under Alternative 3, active groundwater extraction and treatment to achieve cleanup levels would be implemented. Migration and fate calculations predict that groundwater extraction and treatment will permanently reduce perchlorate and RDX concentrations below 2 µg/L by 2012 (Table 11-1). As stated above, background concentrations would be achieved for perchlorate and RDX by 2019 and 2020, respectively. In addition, a long-term monitoring program would be implemented (continued) to evaluate future changes in perchlorate and RDX concentrations, to confirm that cleanup goals have been achieved, and to ensure long-term effectiveness. Because no further contribution from the source is likely, this alternative is expected to be permanent.

11.4.3.4 Reduction of Toxicity, Mobility, and Volume through Treatment

Alternative 3 is expected to reduce groundwater toxicity, mobility, and volume through extraction and treatment. The model predicts that the RDX plume will contain 1.3 lbs of mass at the time of system startup in 2010. The majority of this mass will be captured by the treatment system over its ten year operational period. The estimated mass of the perchlorate plume in 2010 is 6.7 lbs. A small percentage of this mass will be captured by the treatment system while natural attenuation is expected to reduce the remaining part of the plume to below 2 µg/L by 2012 and below background (0.35 µg/L) by 2019.

11.4.3.5 Short-Term Effectiveness

Alternative 3 would have impacts on the local community, workers, and/or the environment. Under Alternative 3 local traffic and noise would increase in conjunction with treatment plant and off-site extraction well construction. Construction of the facilities would be especially difficult given the limited locations available in this heavily developed area.

11.4.3.6 Implementability

Alternative 3 is implementable because it involves the use of accepted engineering methods, land-use controls, and groundwater monitoring. Groundwater extraction and ex situ treatment is an existing technology that has been successfully applied to numerous groundwater contamination sites including MMR. In addition, the proposed treatment technology train involving activated carbon (for RDX removal) and IX resin (for perchlorate removal), has been successfully employed on other portions of MMR. However, some short-term implementability issues (truck traffic, noise, etc.) related to construction of the treatment plant are anticipated. In addition, the extraction wells and treatment system would be located on private property and property near Route 6A owned and operated by USACE. Potentially property access issues related to location and construction of the extraction wells and associated piping system array could emerge during the implementation of this alternative.

11.4.3.7 Cost

Assuming a 10 year operational period and 13 year monitoring period, the order of magnitude costs for Alternative 3 is $9.8 million. Details of the cost estimate are presented in Appendix E and including the following:

- Capital cost: $5,000,000
- Present worth of O&M: $4,700,000
- Site closeout documentation: $ 100,000
- Total present worth: $9,800,000

Appendix E provides detailed calculations of the cost of Alternative 3.

12.0 COMPARATIVE ANALYSIS OF ALTERNATIVES

A comparative analysis was conducted to evaluate the relative performance of each alternative in relation to each criterion. The presentation of the comparative analysis refers to each alternative by its number. For reference, a brief description of each alternative follows:

Alternative 1 – No Action

Monitoring wells would be abandoned and site close-out documentation would be completed. Perchlorate and RDX concentrations would be reduced through natural processes to below 2 μg/L by 2012. For RDX, the 10^{-6} risk-based level (0.6 μg/L) would be achieved in approximately 13 years (by 2022). Background concentrations would achieved for perchlorate by 2019 (0.35 μg/L) and for RDX (0.25 μg /L) by 2044.

Alternative 2 – Monitored Natural Attenuation and Land-Use Controls

Alternative 2 includes long-term groundwater monitoring and land-use controls. Perchlorate and RDX concentrations would reduce through natural processes to below 2 μg/L by 2012. The 0.6 μg/L level for RDX would be achieved by 2022. Background concentrations would achieved for perchlorate (035 μg /L) by 2019 and for RDX (0.25 μg /L) by 2044.

Alternative 3 – Focused Extraction

Alternative 3 includes construction of three extraction and injection wells and construction of a groundwater treatment system. A 100-gpm flow rate from each of the three extraction wells would achieve 2 μg/L for both perchlorate and RDX within 2 years of system start-up (2012). The risk-based (0.6 μg/L) and background (0.25 μg/L) levels for RDX would be achieved within approximately 10 years of system startup (2020). GAC media and ion-exchange resin would be used to treat the extracted water. This alternative also includes groundwater monitoring and land-use controls.

Overall Protection of Human Health and the Environment

Alternative 1 does not contain any land-use controls to prevent aquifer use as a drinking water source. In addition, since no groundwater monitoring would be performed, there would be no way to confirm that future groundwater perchlorate and RDX concentrations remain below regulatory standards. Alternative 2 (Monitored Natural Attenuation and Land-use Controls) and Alternative 3 (Focused Extraction) would provide land-use controls to prevent use of contaminated groundwater as a drinking water source and long-term monitoring to provide a means to confirm that future groundwater perchlorate and RDX concentrations remain below regulatory standards and that the remedy remains protective. Alternative 3, which has an extraction component, would be more effective in protecting human health since it would reduce the RDX plume to risk-based and background concentrations within 10 years (i.e., 2020).

Compliance with Regulations

All actions required pursuant to the Safe Drinking Water Act Administrative Orders in this matter shall be undertaken in accordance with the requirements of all applicable local, state, and federal laws and regulations, including but not limited to, the laws relating to occupational health and safety and worker's compensation. See AO1 ¶82, AO3 ¶111. Following selection of the appropriate remedial action by EPA, the Army shall design, construct, operate, monitor, and maintain the remedial action in compliance with all applicable statutes and regulations. See AO3, Appendix B (Scope of Work), Section 5, at 24. Table 11-2 lists regulations that EPA will either consider or require, as appropriate, in selecting and defining the remedial action as specified in the final decision document.

All three alternatives are expected to eventually result in compliance with applicable regulations. Alternatives 1 and 2 allow for continued migration of the plume. Because these alternatives involve no active remediation, chemical-specific regulations would be met only when contaminant concentrations decrease below the cleanup standards by natural attenuation. Alternative 2 includes monitoring to confirm that this occurs; Alternative 1 does not. Alternative 3 includes active treatment to ensure that applicable cleanup standards are met throughout the plume. Alternatives 2 and 3 would comply with location- and action- specific regulations. Alternative 1 involves no action and, therefore, no location- or action- specific requirements.

Long-Term Effectiveness and Permanence

All alternatives are expected to provide long-term effectiveness and permanence. For Alternatives 1 and 2 groundwater perchlorate and RDX concentrations are expected to be reduced to below 2 µg/L by 2012, while RDX would dissipate to below 0.6 µg/L by 2022. Background concentrations would be achieved for perchlorate by 2019 and for RDX by 2044. Alternative 3 which includes focused extraction would achieve 2 µg/L by 2012 and both the 10^{-6} risk based level (0.6 µg/L) and background concentration (0.25 µg/L) by 2020.

Reduction of Toxicity, Mobility, or Volume through Treatment

Alternative 3 would reduce contaminant mobility and volume through treatment. Neither Alternative 1 nor Alternative 2 includes active groundwater treatment. Therefore, neither alternative would actively reduce groundwater plume toxicity, mobility, or volume through treatment. However, for both alternatives, natural attenuation processes are expected to reduce plume perchlorate and RDX concentrations.

Short-Term Effectiveness

Neither Alternative 1 nor Alternative 2 is anticipated to have significant short-term impacts to the community. Alternative 1 would have the least short-term impacts since no actions would be taken beyond well abandonment. Alternative 2 could have some relatively minor short-term impacts associated with continuation of the groundwater monitoring program and the land-use controls. Alternative 3 would have the most significant short-term impacts including traffic and noise associated with treatment plant construction. The installation of extraction wells and associated piping could also adversely impact off-site property.

Implementability

Both Alternative 1 and Alternative 2 are readily implementable. Alternative 3 could have implementability issues associated with off-site groundwater extraction. Property access issues could develop in locating extraction wells and associated piping on off-site.

Cost

Alternative 1, the least costly alternative, would cost $150,000 for well abandonment and closeout documentation. Alternative 2 would involve a moderate cost ($1.2 Million) primarily associated with the continuation of the long-term monitoring program and the land-use controls, well abandonment, and closeout documentation. Alternative 3 would be the most expensive alternative with an estimated cost of $9.8 Million.

State Acceptance

This criterion will be addressed in detail following comments on the Remedy Selection Plan.

Community Acceptance

This criterion will be addressed in detail following comments on the Remedy Selection Plan.

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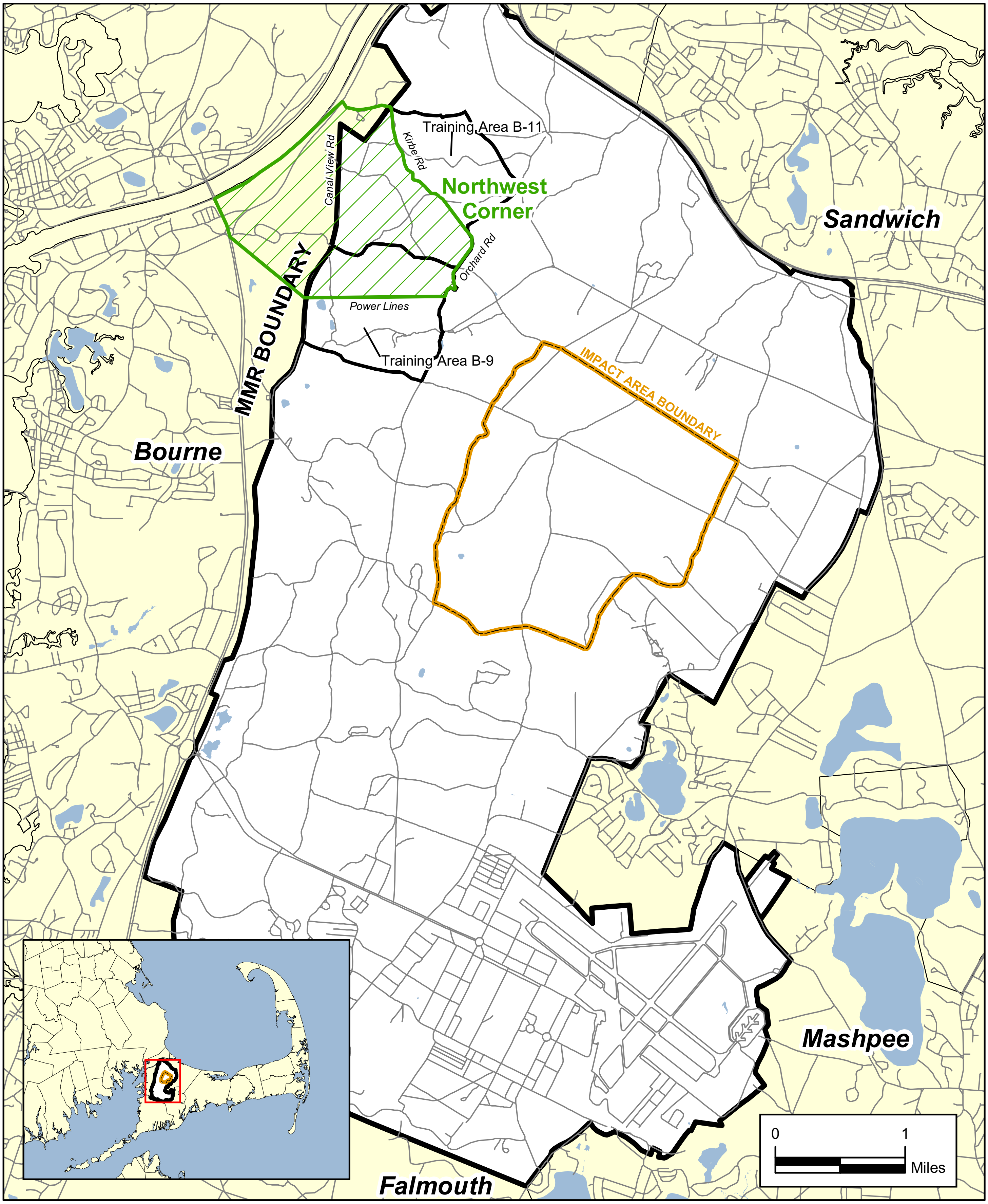
FIGURES



Tetra Tech EC, Inc.
Boston, Massachusetts

Location of Northwest Corner, Camp Edwards
Massachusetts Military Reservation

FIGURE
1-1

P:\Terc-JV\TO4\Restricted Files\Spatial\Source_Data\from_AMEC\
Discs_073109\MMR Northwest Corner\
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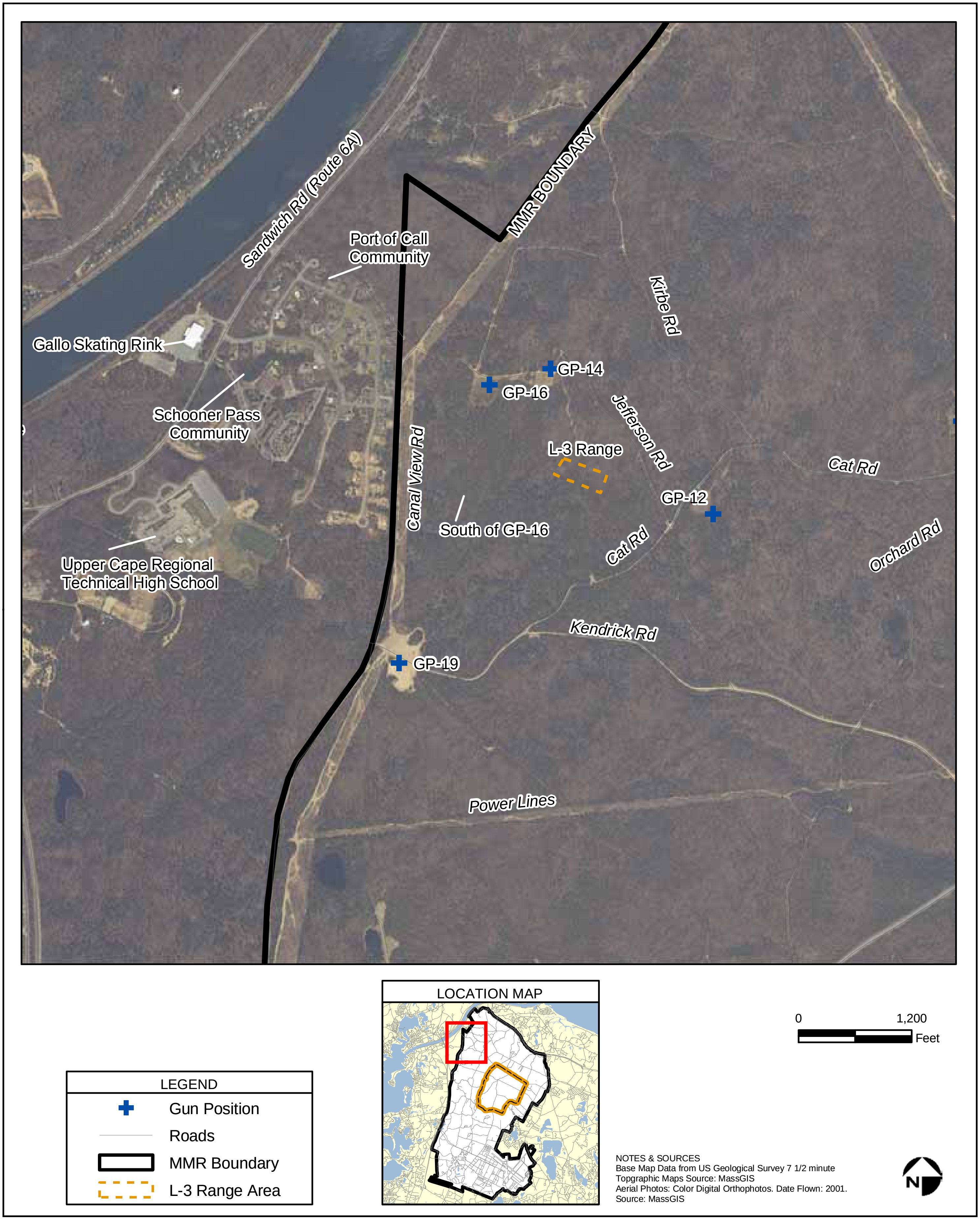
Impact Area
Groundwater Study Program



NOTES & SOURCES
Base Map Data from US Geological Survey 7 1/2 minute
Topgraphic Maps Source: MassGIS
Aerial Photos: Color Digital Orthophotos. Date Flown: 2001.
Source: MassGIS

Tetra Tech EC, Inc.
Boston, Massachusetts

Northwest Corner Site Map

FIGURE
2-1

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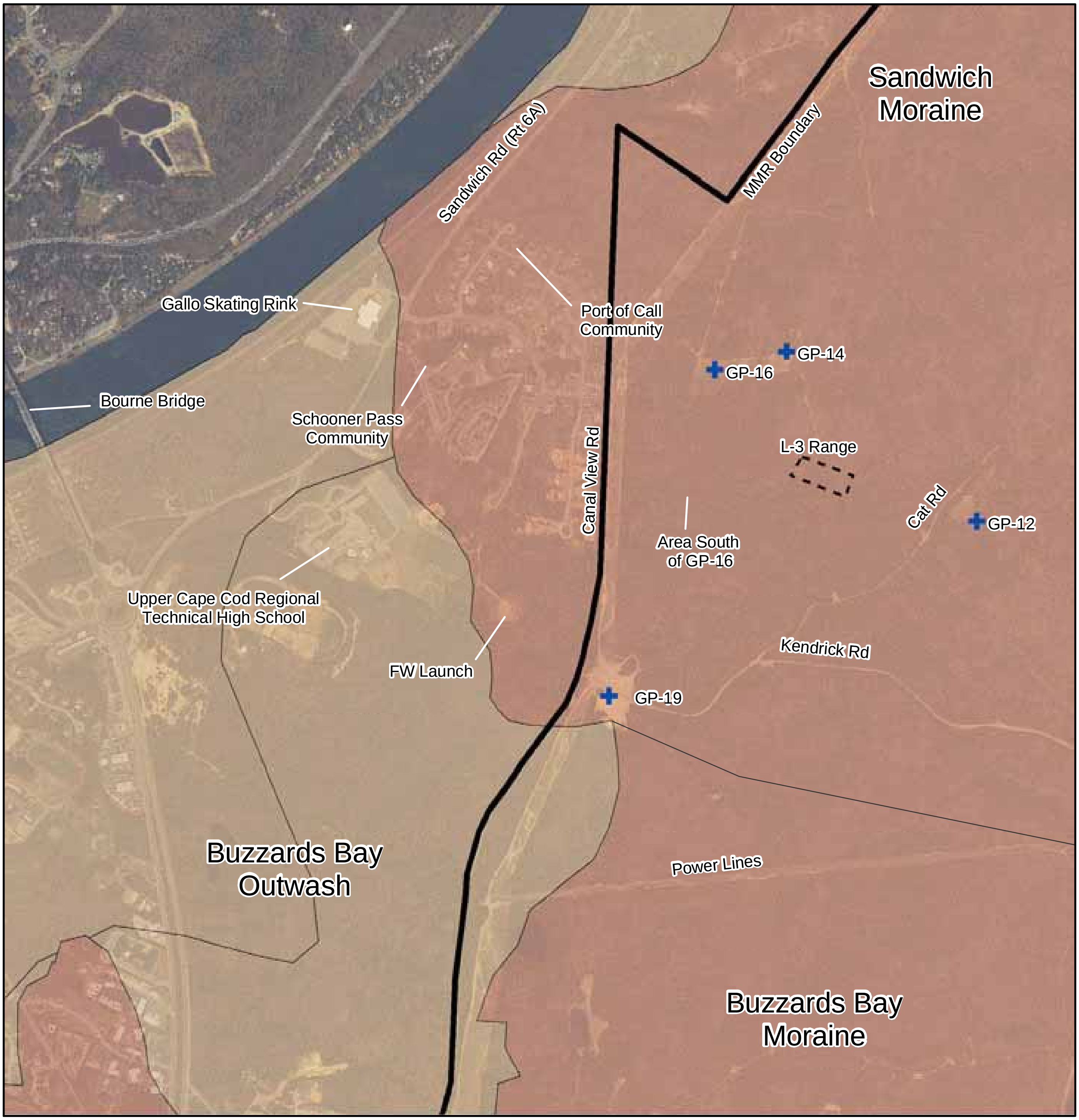
Discs_073109\MMR Northwest Corner\
MMR-9964 D NWC RI Report\Figures\GIS Data and MXDs\
N9964_Fig2-1.mxd

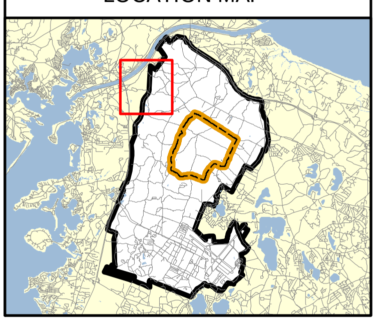
Impact Area
Groundwater Study Program



LEGEND

- Gun Position
- Roads
- L-3 Range Area
- MMR Boundary
- Buzzards Bay Outwash
- Moraine

LOCATION MAP



0 1,300 Feet

NOTES & SOURCES
Base Map Data from US Geological Survey 7 1/2 minute
Topgraphic Maps Source: MassGIS
Aerial Photos: Color Digital Orthophotos. Date Flown: 2001.
Source: MassGIS

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Boston, Massachusetts

Geology of the Northwest Corner

FIGURE 2-2

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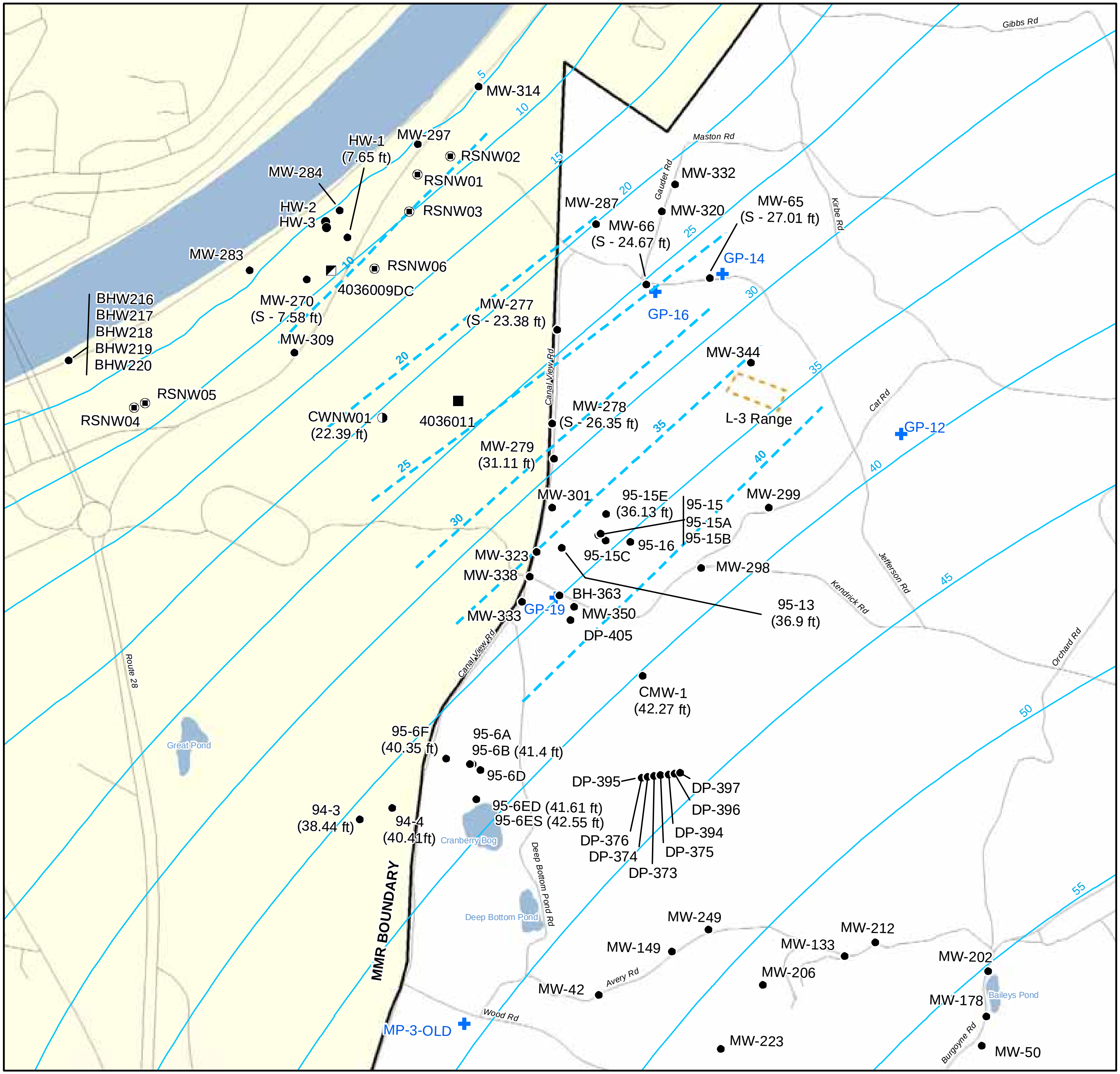
Impact Area Groundwater Study Program

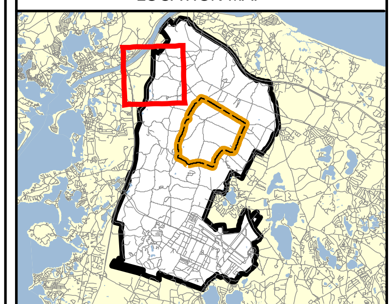


Impact Area Groundwater Study Program

LEGEND

- Residential Wells
- Proposed Monitoring Wells
- Existing Monitoring Wells
  - Selected Wells labeled with ground water elevation in feet above MSL
- Decommissioned Water Supply Well
- Community Water Supply Well
- Existing Irrigation Well
- Gun & Mortar Position
- L-3 Range Area
- Groundwater Elevation Contours Synoptic Survey 7/17/03 (feet above MSL)
- Groundwater Elevation Contours MMR-10NW Model (In Feet Above NGVD)

LOCATION MAP



NOTES & SOURCES

Map Coordinates: NAD 83, Massachusetts State Plane

TITLE

Modeled Groundwater Contours, Compared to July 2003 Synoptic Survey

0 1,300 Feet

N

AMEC Earth and Environmental, Inc.
Westford, Massachusetts

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MMR-9964 Backcheck NWC RI Report\Figures\N9964_Fig2-3.pdf
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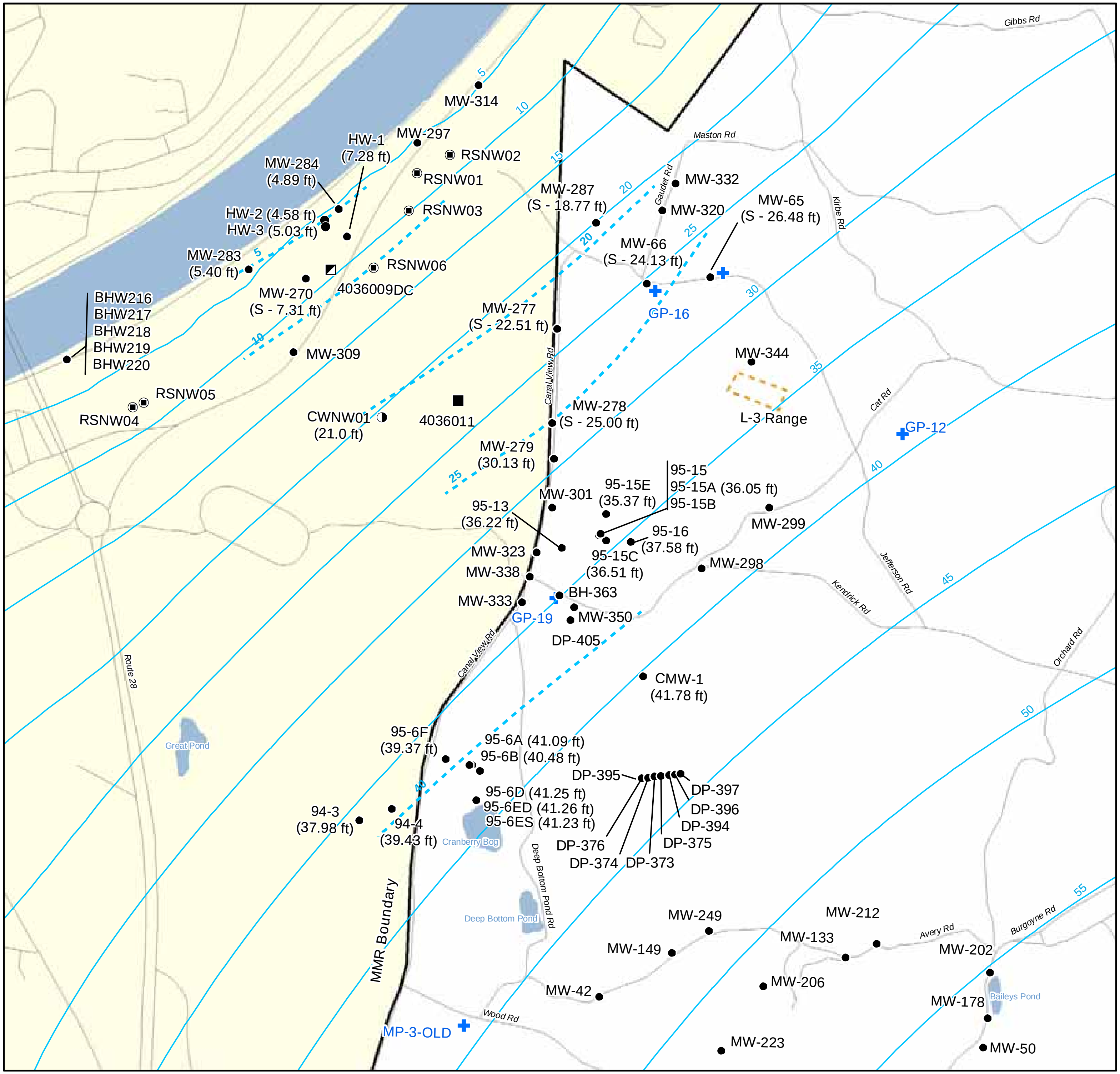
February 14, 2006 DWN: AP CHKD: BK

FIGURE
2-3



Impact Area Groundwater Study Program

LEGEND

- Residential Wells
- Proposed Monitoring Wells
- Existing Monitoring Wells
  - Selected Wells labeled with ground water elevation in feet above MSL
- Decommissioned Water Supply Well
- Community Water Supply Well
- Existing Irrigation Well
- Gun & Mortar Position
- L-3 Range Area
- Groundwater Elevation Contours Synoptic Survey 11/07/03 (feet above MSL)
- Groundwater Elevation Contours MMR-10NW Model (In Feet Above NGVD)

LOCATION MAP

NOTES & SOURCES

Map Coordinates: NAD 83, Massachusetts State Plane

TITLE

Modeled Groundwater Contours, Compared to November 2003 Synoptic Survey

0 1,300 Feet

N

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Westford, Massachusetts

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MMR-9964 Backcheck NWC RI Report\Figures\N9964_Fig2-4.pdf
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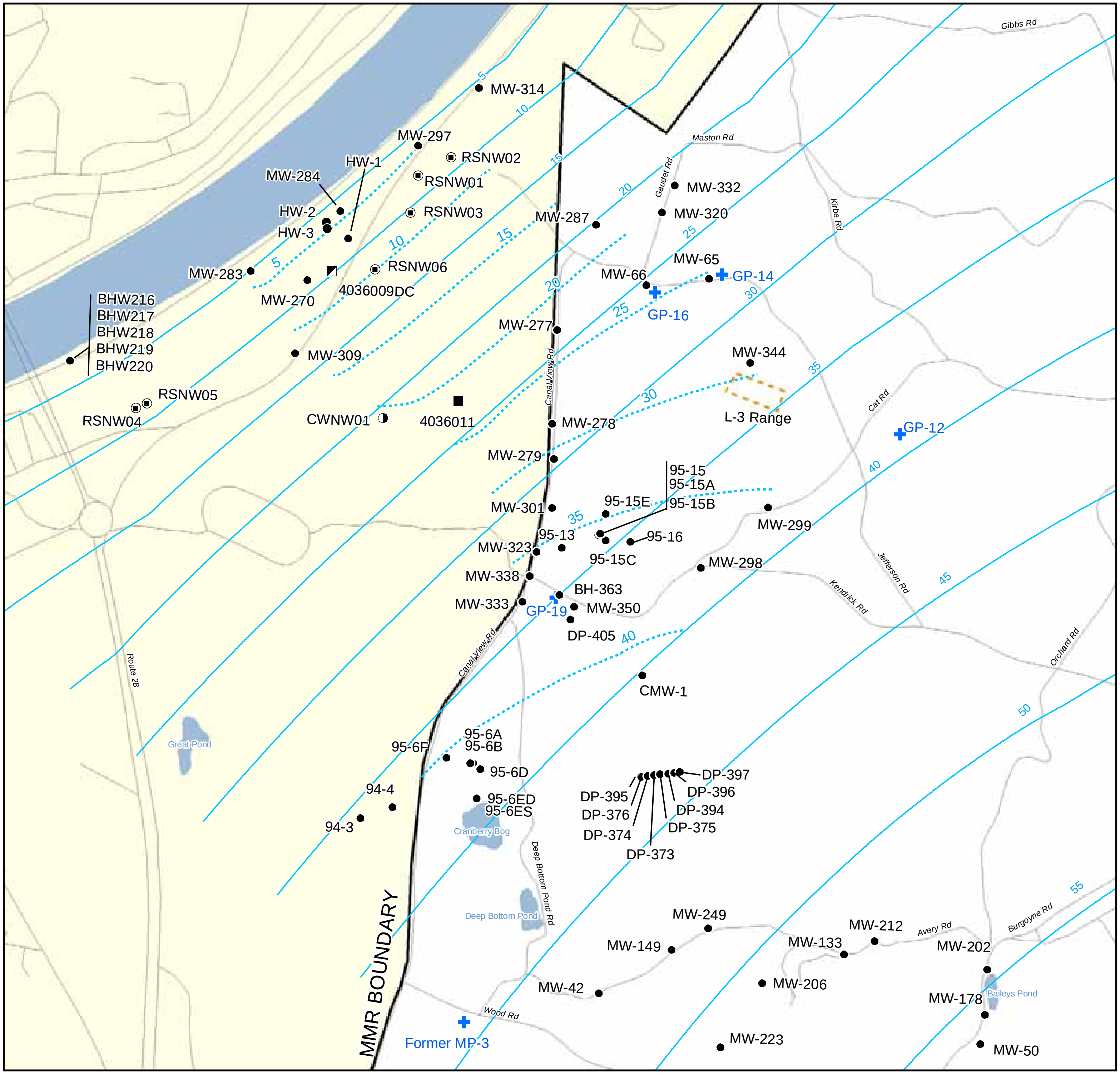
February 14, 2006 DWN: AP CHKD: BK

FIGURE
2-4

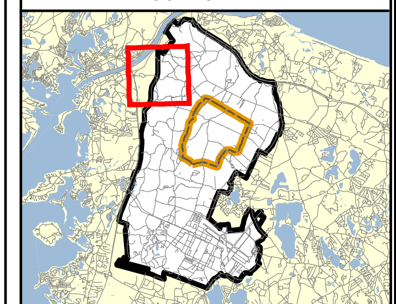


Impact Area
Groundwater Study Program

LEGEND

- Proposed Monitoring Wells
- Existing Monitoring Wells
- Residential Wells
- Community Water Supply Well
- Decommissioned Water Supply Well
- Existing Irrigation Well
- Gun Positions
- Former Mortar Position
- Groundwater Elevation Contours
  Synoptic Survey 02/19/04 (feet above MSL)
- Groundwater Elevation Contours
  NWC10m4 Model (In Feet Above NGVD)

LOCATION MAP



NOTES & SOURCES

Map Coordinates: NAD 83, Massachusetts State Plane

TITLE

Modeled Groundwater Contours
Compared to
February 2004 Synoptic Survey

0 1,400
Feet

N

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Westford, Massachusetts

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MMR-9964 Backcheck NWC RI Report\Figures\N9964_Fig2-5.pdf
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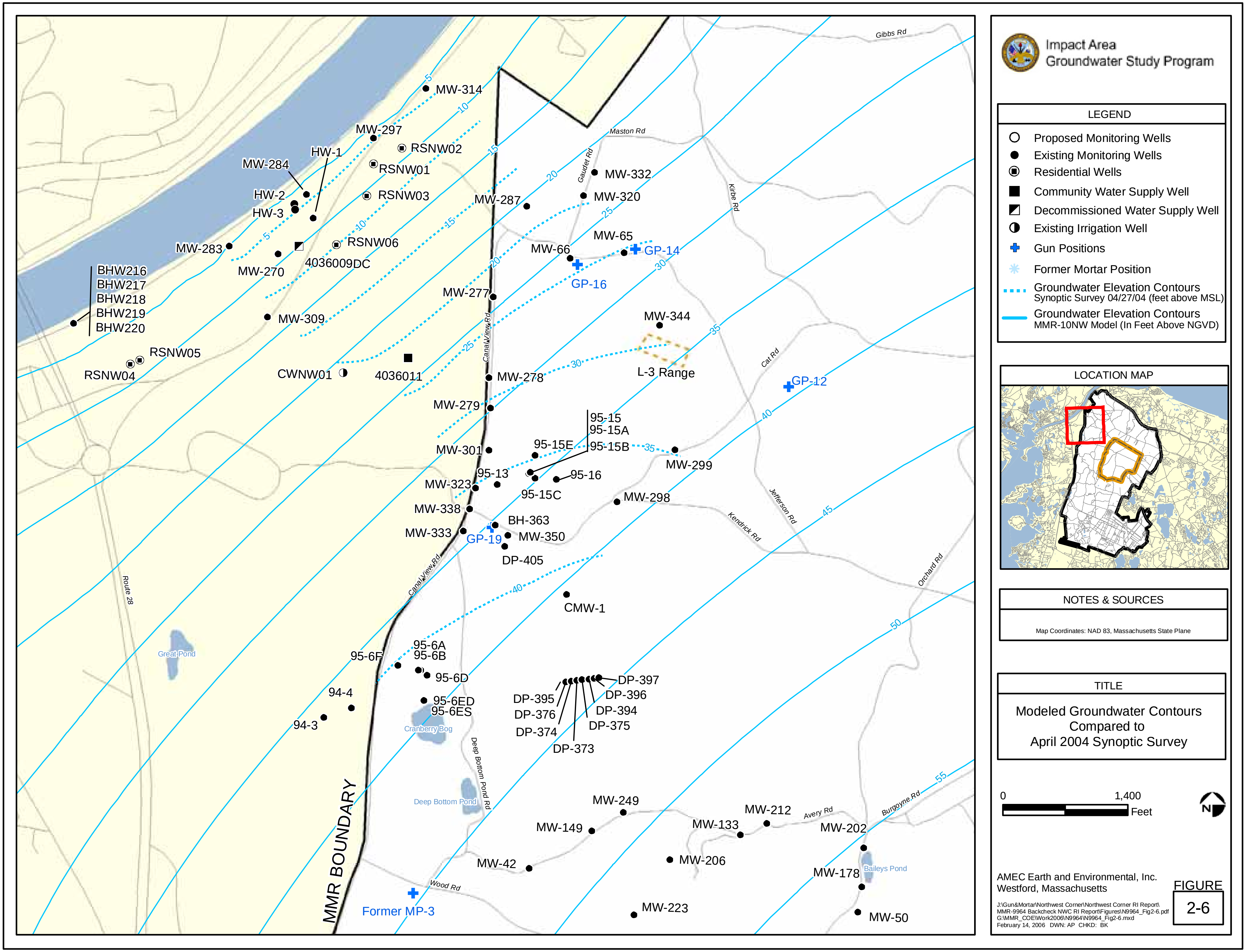
February 14, 2006 DWN: AP CHKD: BK

FIGURE
2-5



Impact Area
Groundwater Study Program
LEGEND
Proposed Monitoring Wells
Existing Monitoring Wells
Residential Wells
Community Water Supply Well
Decommissioned Water Supply Well
Existing Irrigation Well
Gun Positions
Former Mortar Position
Groundwater Elevation Contours
Synoptic Survey 04/27/04 (feet above MSL)
Groundwater Elevation Contours
MMR-10NW Model (In Feet Above NGVD)
LOCATION MAP
NOTES & SOURCES
Map Coordinates: NAD 83, Massachusetts State Plane
TITLE
Modeled Groundwater Contours
Compared to
April 2004 Synoptic Survey
0
1,400
Feet
N
AMEC Earth and Environmental, Inc.
Westford, Massachusetts
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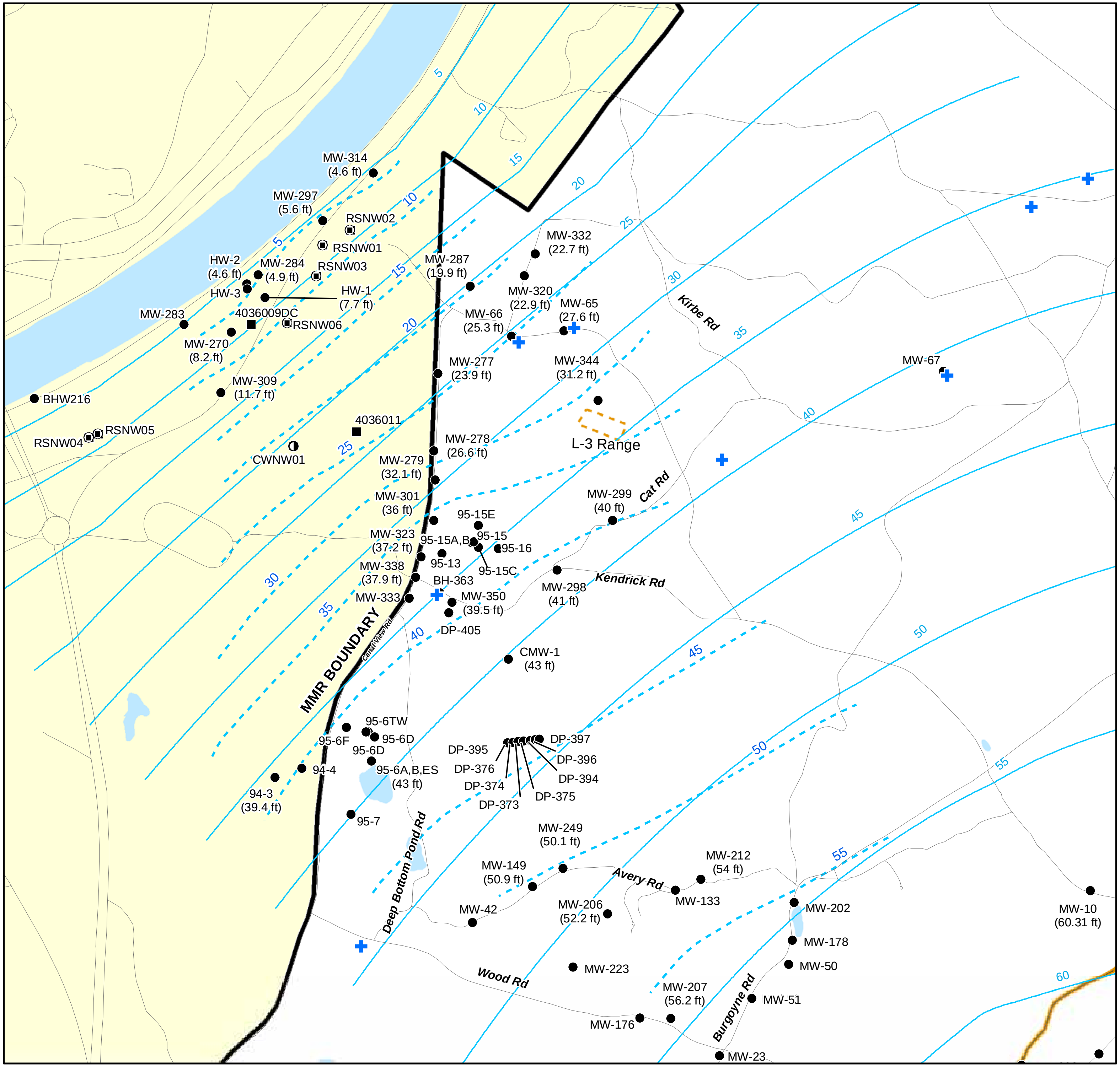
February 14, 2006 DWN: AP CHKD: BK
FIGURE
2-6
MW-314
MW-297
HW-1
RSNW02
MW-284
RSNW01
HW-2
HW-3
RSNW03
MW-283
RSNW06
MW-270
4036009DC
BHW216
BHW217
BHW218
BHW219
BHW220
MW-309
RSNW05
RSNW04
CWNW01
4036011
MW-287
MW-332
MW-320
MW-65
MW-66
GP-14
GP-16
MW-277
MW-344
L-3 Range
MW-278
GP-12
MW-279
95-15
95-15A
95-15E
95-15B
MW-301
MW-299
95-13
95-16
MW-323
95-15C
MW-298
MW-338
BH-363
MW-333
GP-19
MW-350
DP-405
CMW-1
95-6A
95-6B
95-6F
95-6D
94-4
95-6ED
95-6ES
94-3
DP-397
DP-396
DP-395
DP-376
DP-394
DP-375
DP-374
DP-373
MW-249
MW-212
MW-149
MW-133
MW-202
MW-42
MW-206
MW-178
MW-223
MW-50
Former MP-3
MMR BOUNDARY
Gibbs Rd
Maston Rd
Gaudet Rd
Kirbe Rd
Canal View Rd
Cat Rd
Jefferson Rd
Kendrick Rd
Orchard Rd
Route 28
Great Pond
Cranberry Bog
Deep Bottom Pond
Deep Bottom Pond Rd
Avery Rd
Burgoyne Rd
Baileys Pond
Wood Rd
5
10
15
20
25
30
35
40
45
50
55

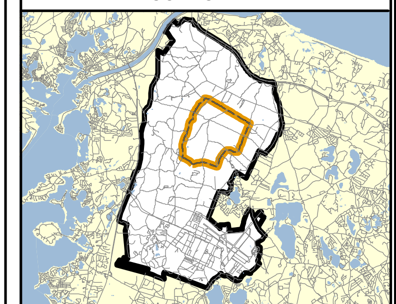


Impact Area
Groundwater Study Program

LEGEND

- Proposed Monitoring Wells
- Existing Monitoring Wells
- Residential Wells
- Community Water Supply Well
- Decommissioned Water Supply Well
- Existing Irrigation Well
- Gun Positions
- Former Mortar Position
- Groundwater Elevation Contours
  Synoptic Survey 01/13/06 (feet above MSL)
- Groundwater Elevation Contours
  NWC10m4 Model (In Feet Above NGVD)

LOCATION MAP



NOTES & SOURCES

Map Coordinates: NAD 83, Massachusetts State Plane

TITLE

Modeled Groundwater Contours
Compared to
January 2006 Synoptic Survey

0 1,000 Feet

AMEC Earth and Environmental, Inc.
Westford, Massachusetts

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February 14, 2006 DWN: AP CHKD: BK

FIGURE
2-7

Figure 2-8a - Tidal Hydrograph

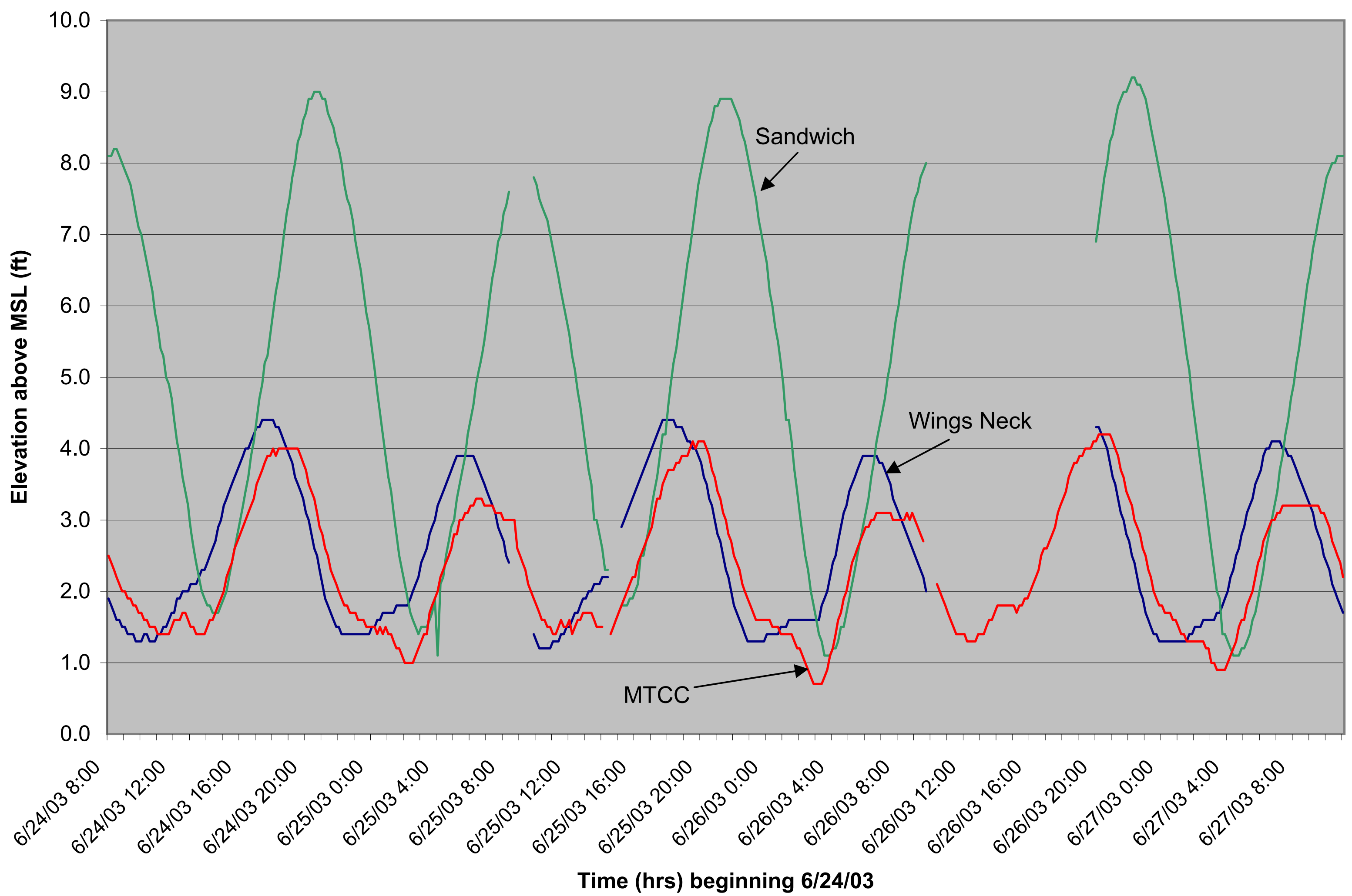
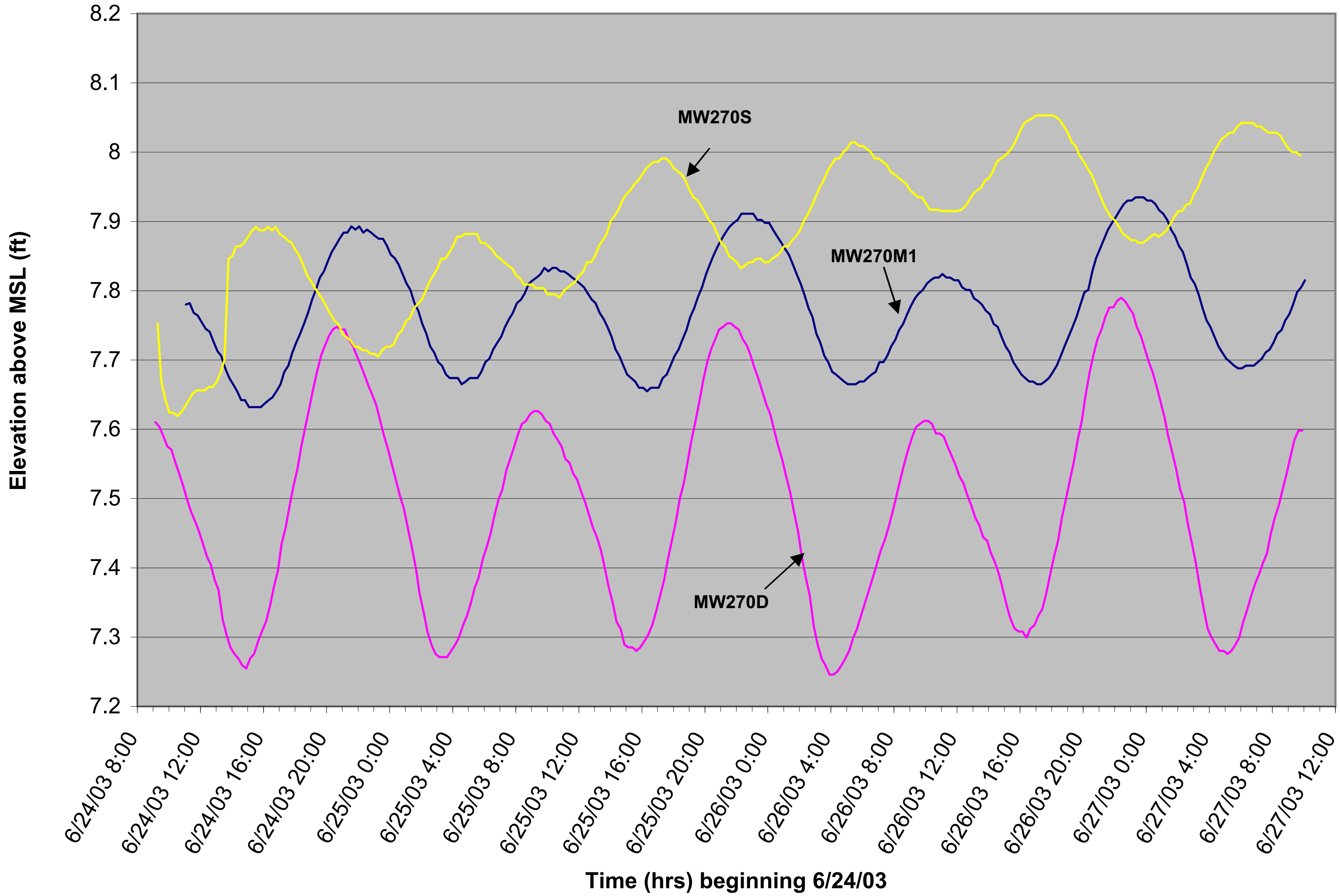


Figure 2-8b MW270 M1,D,S Hydrograph



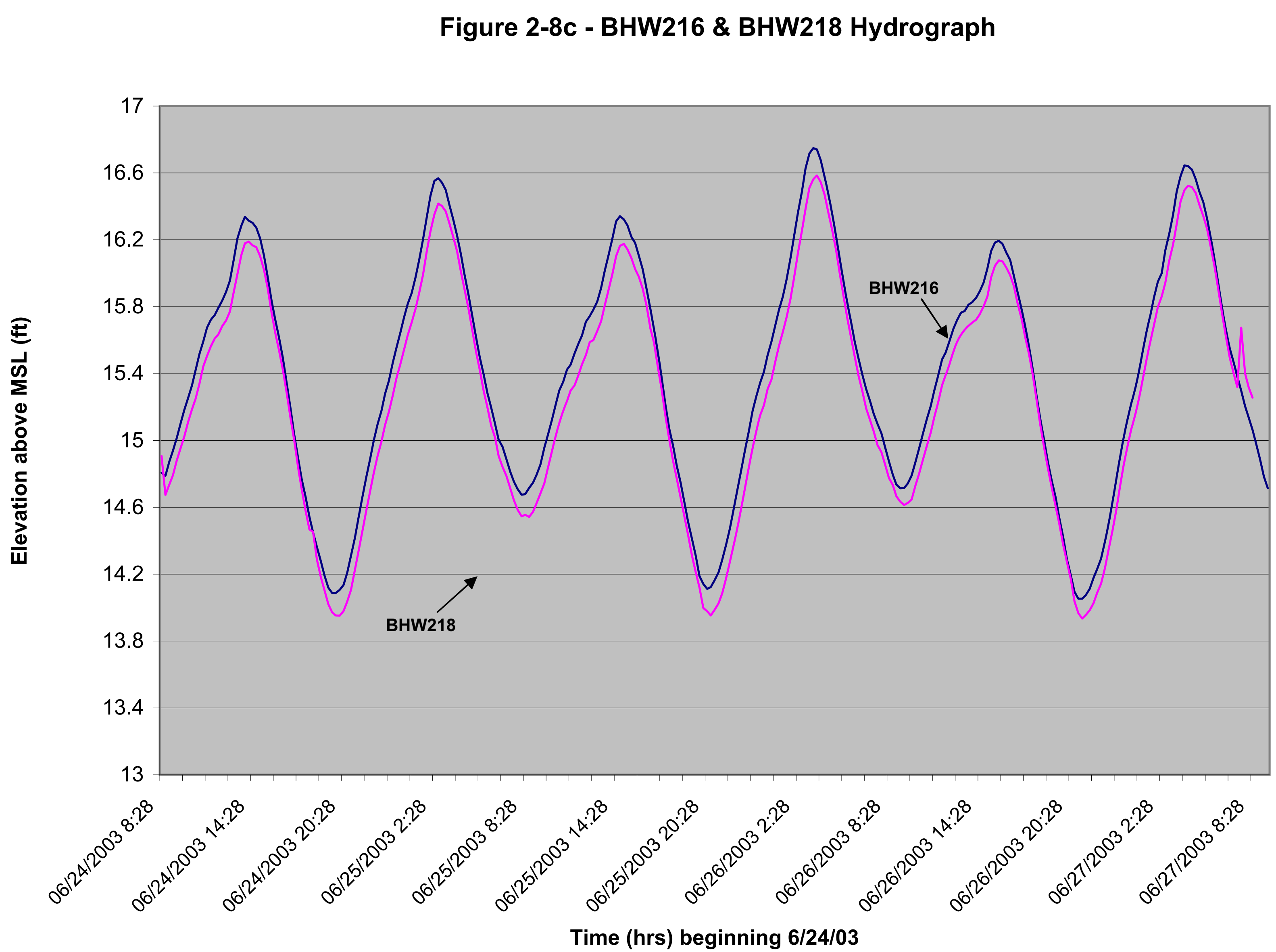


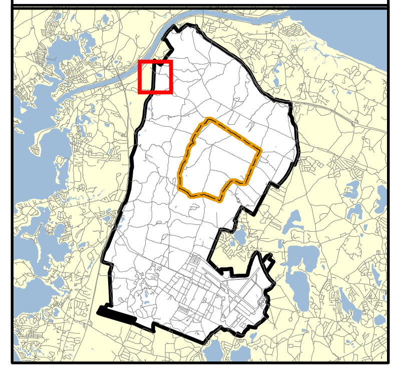
Figure 2-8c - BHW216 & BHW218 Hydrograph
17
16.6
16.2
15.8
15.4
15
14.6
14.2
13.8
13.4
13
Elevation above MSL (ft)
BHW216
BHW218
06/24/2003 8:28
06/24/2003 14:28
06/24/2003 20:28
06/25/2003 2:28
06/25/2003 8:28
06/25/2003 14:28
06/25/2003 20:28
06/26/2003 2:28
06/26/2003 8:28
06/26/2003 14:28
06/26/2003 20:28
06/27/2003 2:28
06/27/2003 8:28
Time (hrs) beginning 6/24/03

Impact Area Groundwater Study Program

LEGEND

- Gun Position
- Roads
- MMR Boundary
- L-3 Range Area

LOCATION MAP



NOTES & SOURCES

Map Coordinates: NAD 83, UTM, Zone 19N, Meters
Basemap data from US Geological Survey 7 1/2 minute
Aerial photos: black & white photographs; 1 inch = 1800 feet
Date Flown: 1977; Source: Lockwood, Kessler & Bartlett
Topographic Map Source: MassGIS

TITLE

Area South of GP-16 in 1977

0 600 Feet

N

AMEC Earth and Environmental, Inc.
Westford, Massachusetts

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MMR-9964 Backcheck NWC RI Report\Figures\N9964_Fig2-9.pdf
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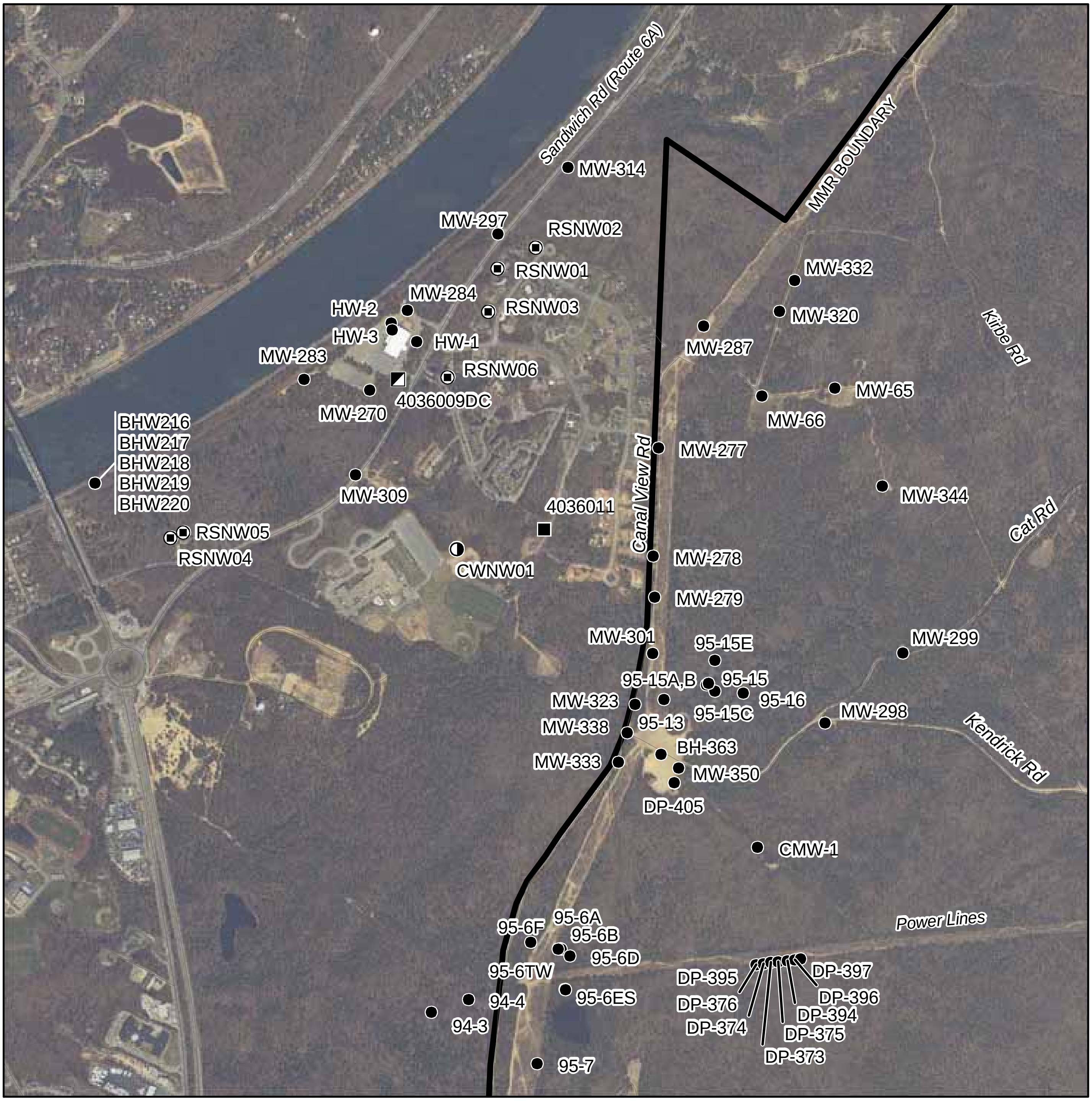
February 14, 2006 DWN: AP CHKD: BK

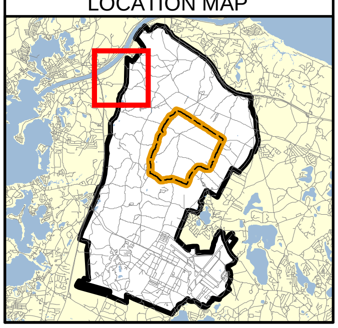
FIGURE 2-9



LEGEND

- Residential Wells
- Proposed Monitoring Wells
- Existing Monitoring Wells
- Decommissioned Water Supply Well
- Community Water Supply Well
- Existing Irrigation Well

LOCATION MAP



N

0 1,200 Feet

NOTES & SOURCES
Base Map Data from US Geological Survey 7 1/2 minute
Topgraphic Maps Source: MassGIS
Aerial Photos: Color Digital Orthophotos. Date Flown: 2001.
Source: MassGIS

AMEC Earth & Environmental, Inc.
Westford, Massachusetts

Monitoring, Irrigation & Supply Wells in the Northwest Corner

FIGURE
3-1

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MMR-9964 Backcheck NWC RI Report\Figures\N9964_Fig3-1.pdf
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February 14, 2006 DWN: AP CHKD: BK

Impact Area
Groundwater Study Program

LEGEND

☒ Soil Sampling Location

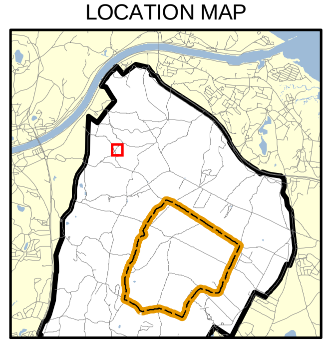
Topographic Surface
Elevation Contours (20 ft intervals)

0 150
Feet

N

NOTES & SOURCES
Base Map Data from US Geological Survey 7 1/2 minute
Topgraphic Maps Source: MassGIS
Aerial Photos: Color Digital Orthophotos.
Date Flown: 2001. Source: MassGIS

LOCATION MAP



AMEC Earth & Environmental, Inc.
Westford, Massachusetts

Soil Sampling Locations
Gun Position GP-12

FIGURE
3-2

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MMR-9964 Backcheck NWC RI Report\Figures\N9964_Fig3-2.pdf
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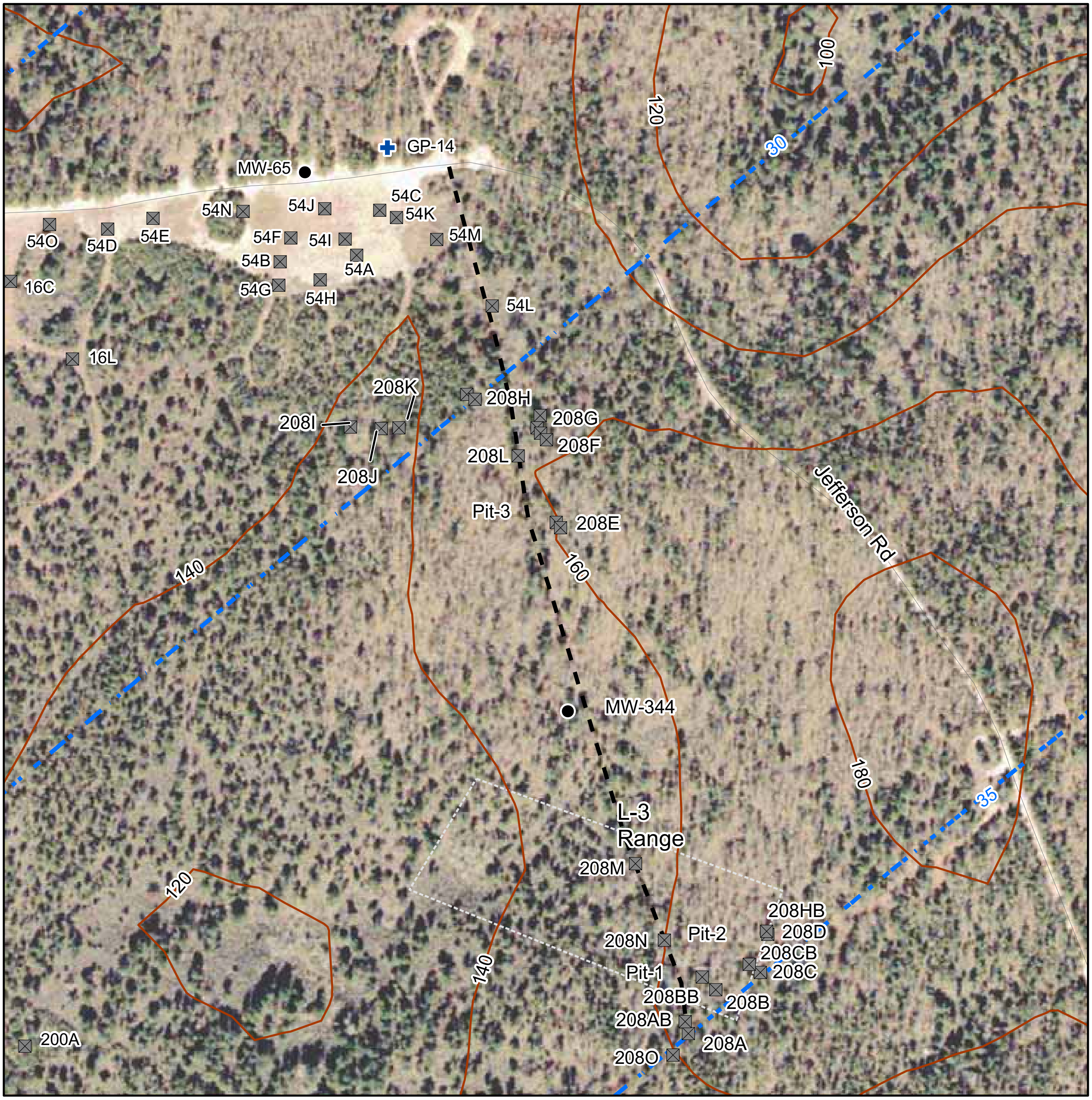
February 14, 2006 DWN: AP CHKD: BK

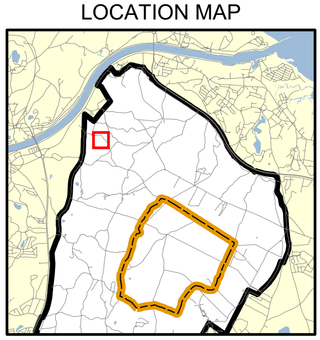
Impact Area
Groundwater Study Program



LEGEND

- Existing Monitoring Well
- Soil Sampling Location
- Soil Piles
- Control Pits
- Target Pits
- Gun Position
- Topographic Surface Elevation Contours (20 ft intervals)
- GW Elevation Contours, AMEC NWC10M4 Model (In feet above NGVD)
- Access Trail from GP-14

LOCATION MAP



0 150 Feet

NOTES & SOURCES
Base Map Data from US Geological Survey 7 1/2 minute
Topgraphic Maps Source: MassGIS
Aerial Photos: Color Digital Orthophotos.
Date Flown: 2001. Source: MassGIS

AMEC Earth & Environmental, Inc.
Westford, Massachusetts

Soil Sampling Locations
Gun Position GP-14 and L-3 Range

FIGURE
3-3

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MMR-9964 Backcheck NWC RI Report\Figures\N9964_Fig3-3.pdf
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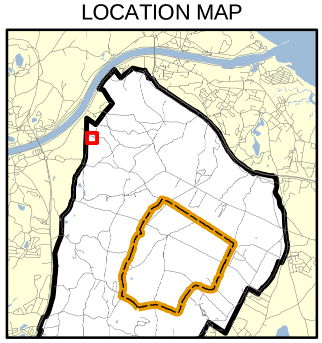
February 14, 2006 DWN: AP CHKD: BK

Impact Area
Groundwater Study Program

LEGEND

LOCATION MAP



N

0 150 Feet

NOTES & SOURCES
Base Map Data from US Geological Survey 7 1/2 minute
Topgraphic Maps Source: MassGIS
Aerial Photos: Color Digital Orthophotos.
Date Flown: 2001. Source: MassGIS

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Westford, Massachusetts

Soil Sampling Locations
Gun Position GP-16

FIGURE
3-4

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MMR-9964 Backcheck NWC RI Report\Figures\N9964_Fig3-4.pdf
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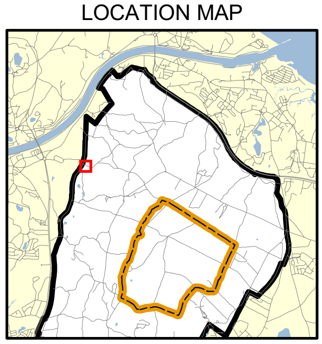
February 14, 2006 DWN: AP CHKD: BK

Impact Area
Groundwater Study Program

LEGEND

- Proposed Monitoring Well
- Existing Monitoring Well
- Composite Soil Sampling Location
- Discrete Soil Sampling Location
- Discrete & Composite Soil Sampling Location
- Gun Position
- Topographic Surface Elevation Contours (20 ft intervals)

LOCATION MAP



N

0 150 Feet

NOTES & SOURCES
Base Map Data from US Geological Survey 7 1/2 minute
Topgraphic Maps Source: MassGIS
Aerial Photos: Color Digital Orthophotos.
Date Flown: 2001. Source: MassGIS

AMEC Earth & Environmental, Inc.
Westford, Massachusetts

Soil Sampling Location
Gun Position GP-19

FIGURE
3-5

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MMR-9964 Backcheck NWC RI Report\Figures\N9964_Fig3-5.pdf
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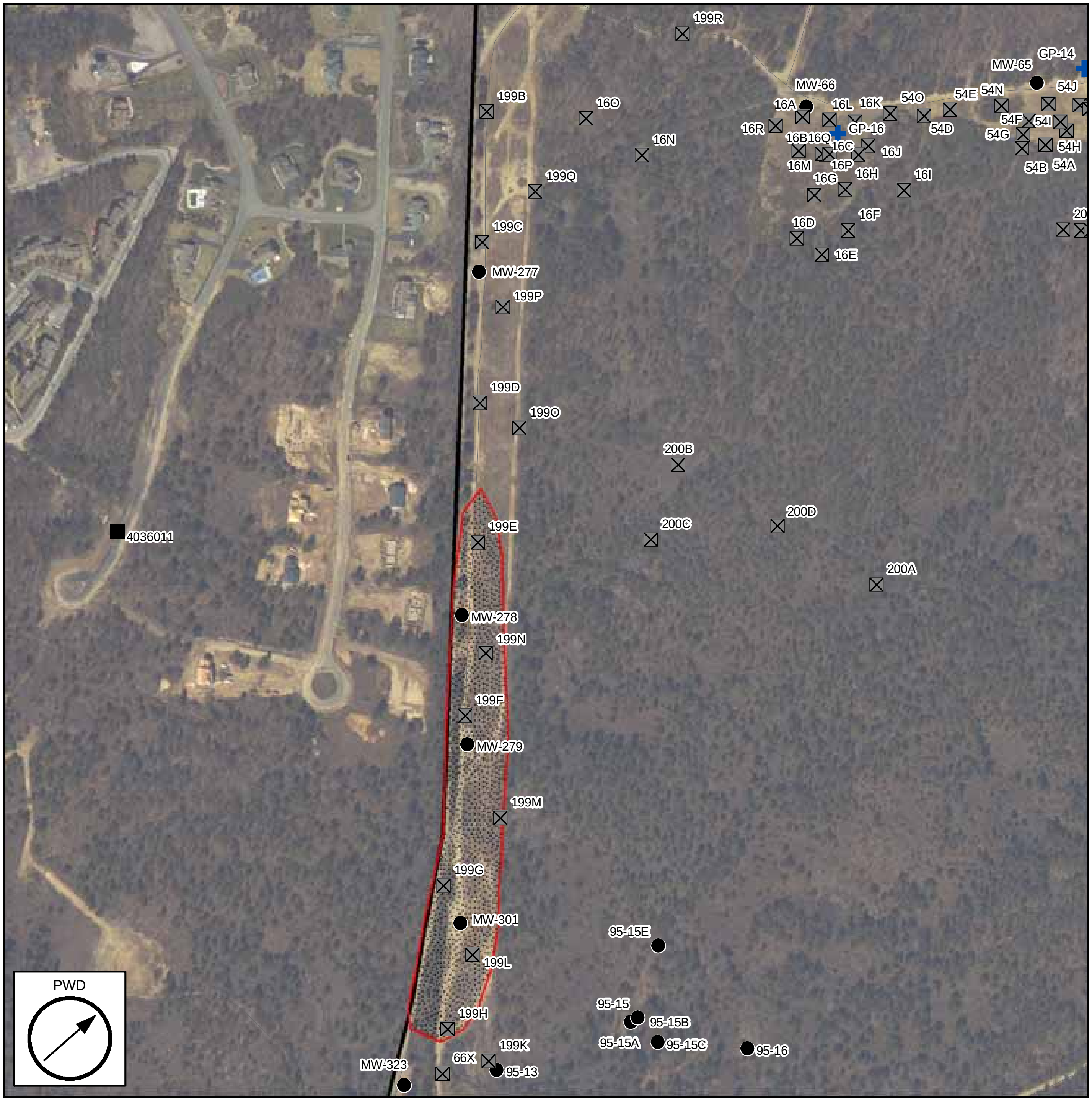
February 14, 2006 DWN: AP CHKD: BK

Impact Area
Groundwater Study Program

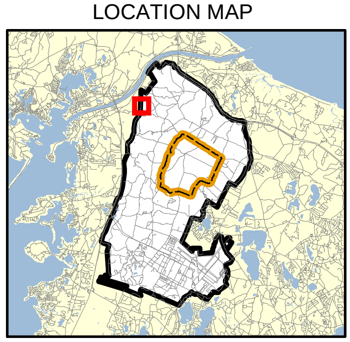


LEGEND

- ● Existing Monitoring Wells
- ■ Community Water Supply Well
- ☒ Soil Sampling Location
- ✚ Gun Position
- Roads
- Visible Limit of Fireworks Debris
- MMR Boundary
- PWD Prevailing Wind Direction

Notes:
A Result is 0 - 0.5 ft.
B Result is 1.5 - 2 ft.

LOCATION MAP



0 400 Feet

NOTES & SOURCES
Map Coordinates: NAD 83, UTM Zone 19N, Meters

N

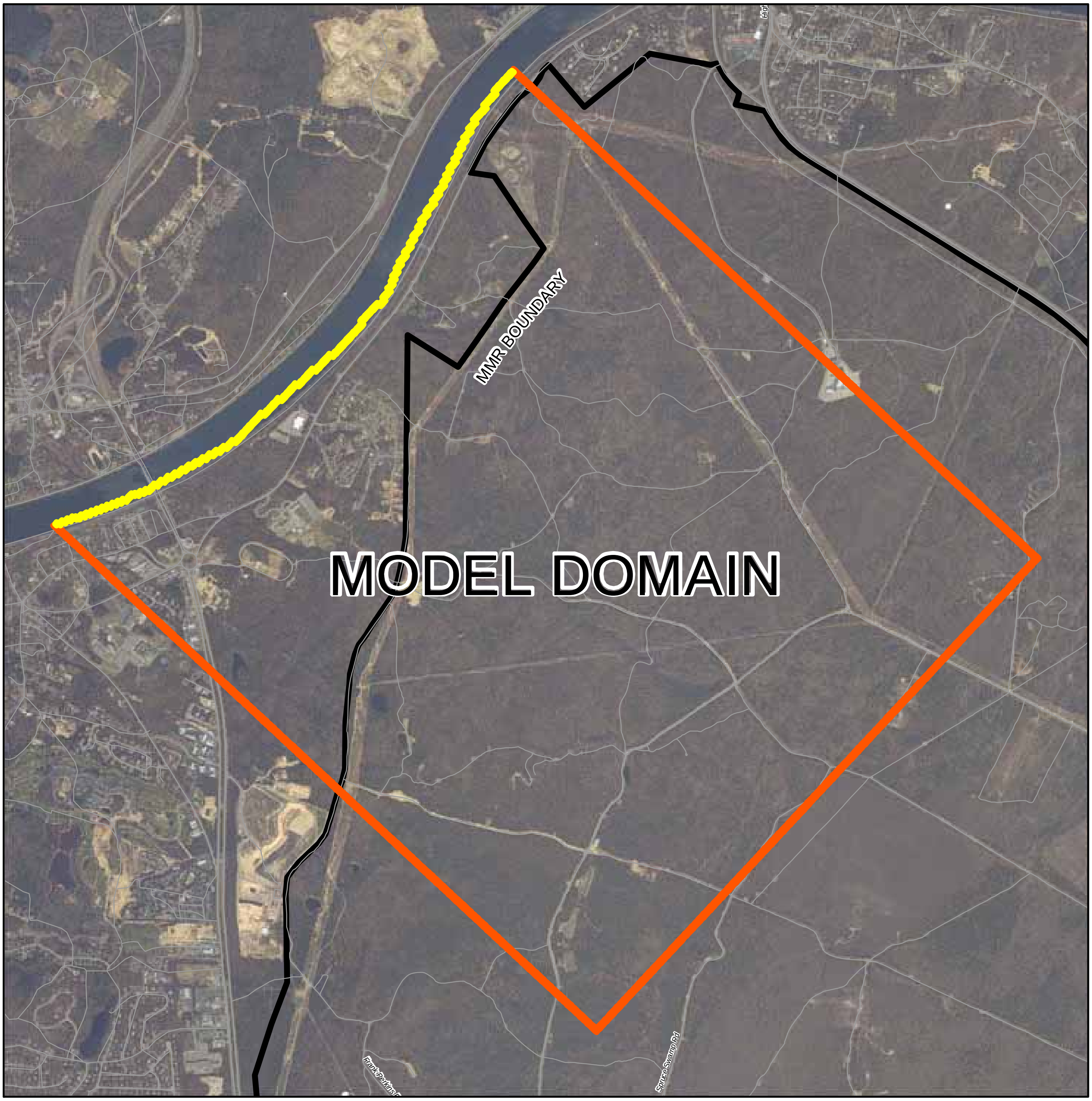
AMEC Earth & Environmental, Inc.
Westford, Massachusetts

Soil Sampling Locations, Canal View Road (Area 199) and Area South of GP-16 (Area 200); Northwest Corner

FIGURE
3-6

J:\Gun&Mortar\Northwest Corner\Northwest Corner RI Report\
MMR-9964 Backcheck NWC RI Report\Figures\N9964_Fig3-6.pdf
G:\MMR_COE\Work2006\N9964\N9964_Fig3-6.mxd
February 14, 2006 DWN: AP CHKD: BK

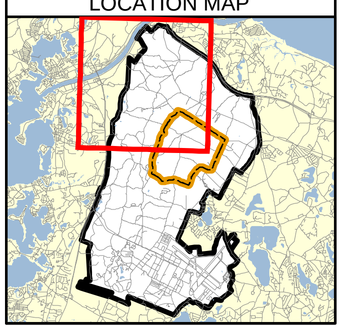
Impact Area Groundwater Study Program



LEGEND

Constant Head Boundary

General Head Boundary



N

0 2,800 Feet

NOTES & SOURCES
Base Map Data from US Geological Survey 7 1/2 minute
Topgraphic Maps Source: MassGIS
Aerial Photos: Color Digital Orthophotos. Date Flown: 2001.
Source: MassGIS

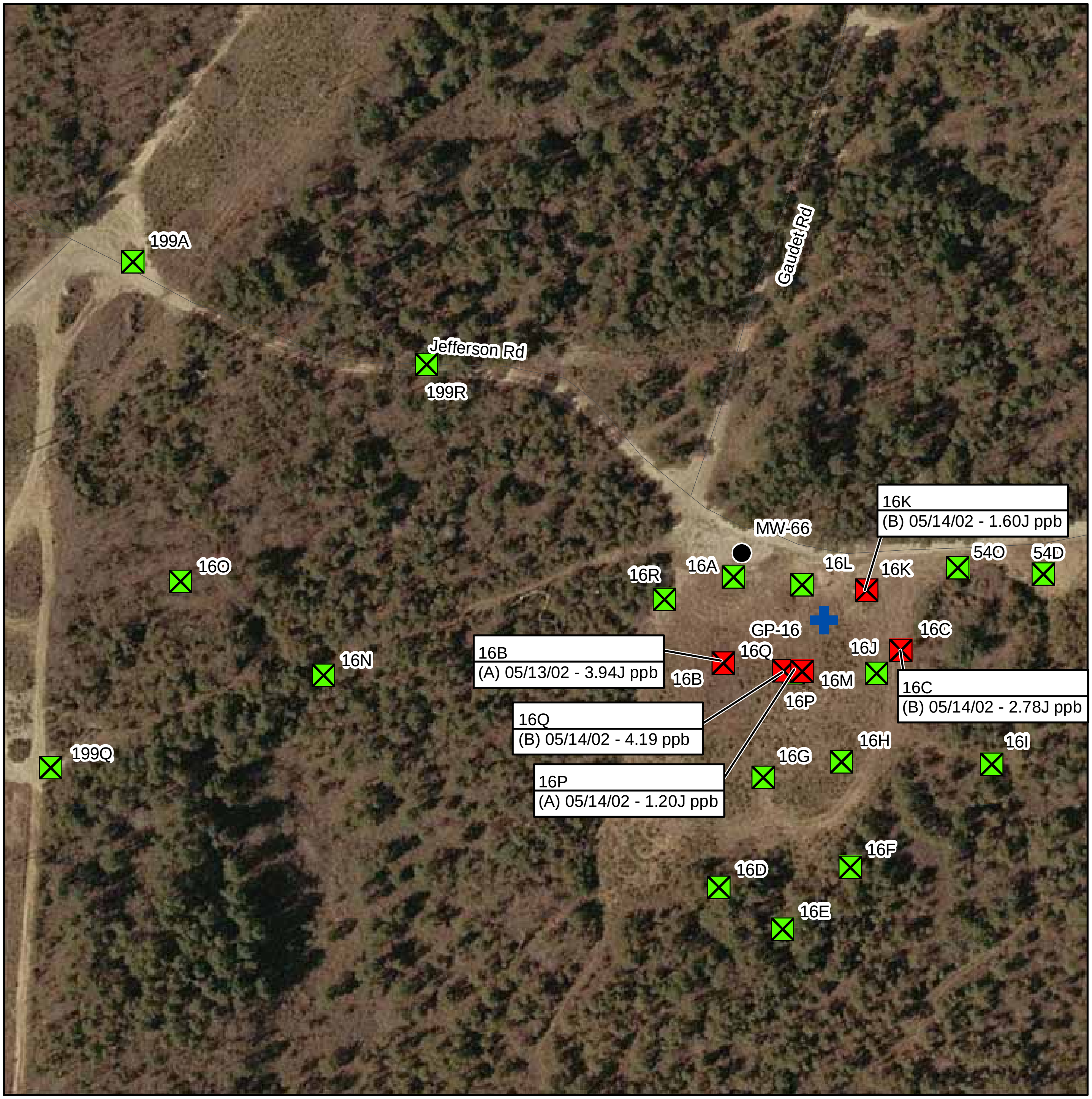
AMEC Earth & Environmental, Inc.
Westford, Massachusetts

Northwest Corner
Subregional Model Domain

FIGURE
3-7

J:\Gun&Mortar\Northwest Corner\Northwest Corner RI Report\
MMR-9964 Backcheck NWC RI Report\Figures\N9964_Fig3-7.pdf
G:\MMR_COE\Work2006\N9964\N9964_Fig3-7.mxd
February 14, 2006 DWN: AP CHKD: BK

Impact Area
Groundwater Study Program

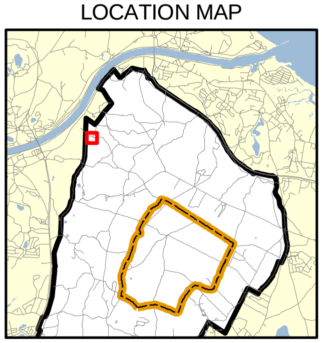


LEGEND

- Existing Monitoring Well
- Gun Position
- Soil Sample with Perchlorate Greater than Non-Detect
- Soil Sample with Perchlorate Non-Detect

Notes:
A Result is 0 - 0.5 ft.
B Result is 1.5 - 2 ft.

LOCATION MAP



N

0 150 Feet

NOTES & SOURCES
Base Map Data from US Geological Survey 7 1/2 minute
Topgraphic Maps Source: MassGIS
Aerial Photos: Color Digital Orthophotos.
Date Flown: 2001. Source: MassGIS

AMEC Earth & Environmental, Inc.
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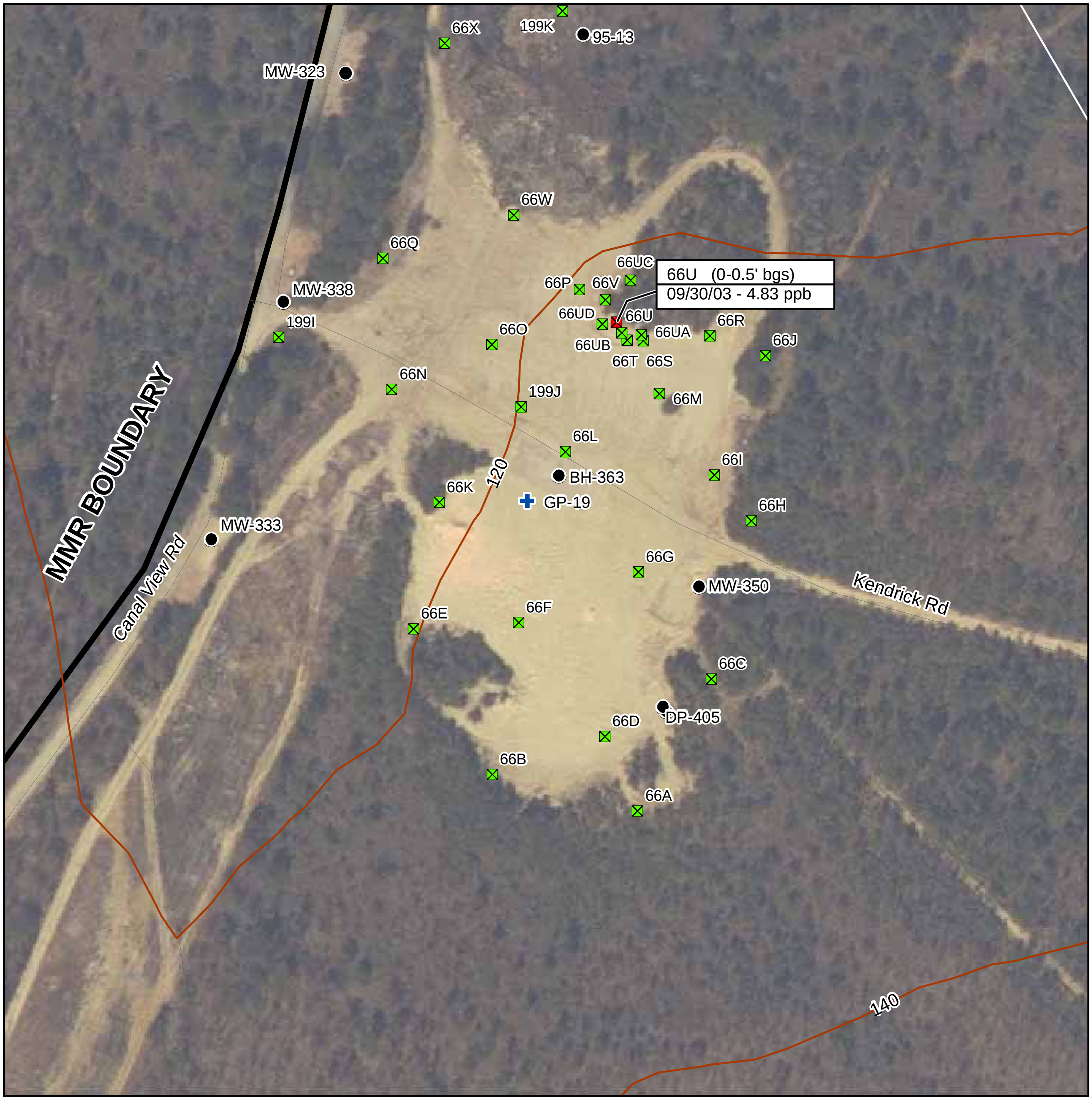
Perchlorate Concentrations in Soil
Gun Position GP-16

FIGURE
4-1

J:\Gun&Mortar\Northwest Corner\Northwest Corner RI Report\
MMR-9964 Backcheck NWC RI Report\Figures\N9964_Fig4-1.pdf
G:\MMR_COE\Work2006\N9964\N9964_Fig4-1.mxd
February 14, 2006 DWN: AP CHKD: BK

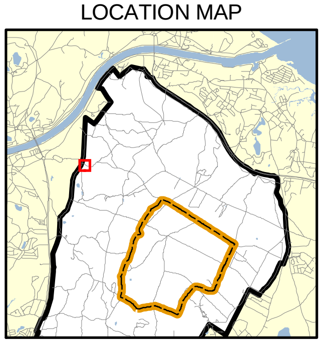
Impact Area
Groundwater Study Program



LEGEND

- Proposed Monitoring Well
- Existing Monitoring Well
- Soil Sample with Perchlorate Greater than Non-Detect
- Soil Sample with Perchlorate Non-Detect
- Gun Position
- Topographic Surface Elevation Contours (20 ft intervals)

LOCATION MAP



N

0 150 Feet

NOTES & SOURCES
Base Map Data from US Geological Survey 7 1/2 minute Topgraphic Maps Source: MassGIS
Aerial Photos: Color Digital Orthophotos.
Date Flown: 2001. Source: MassGIS

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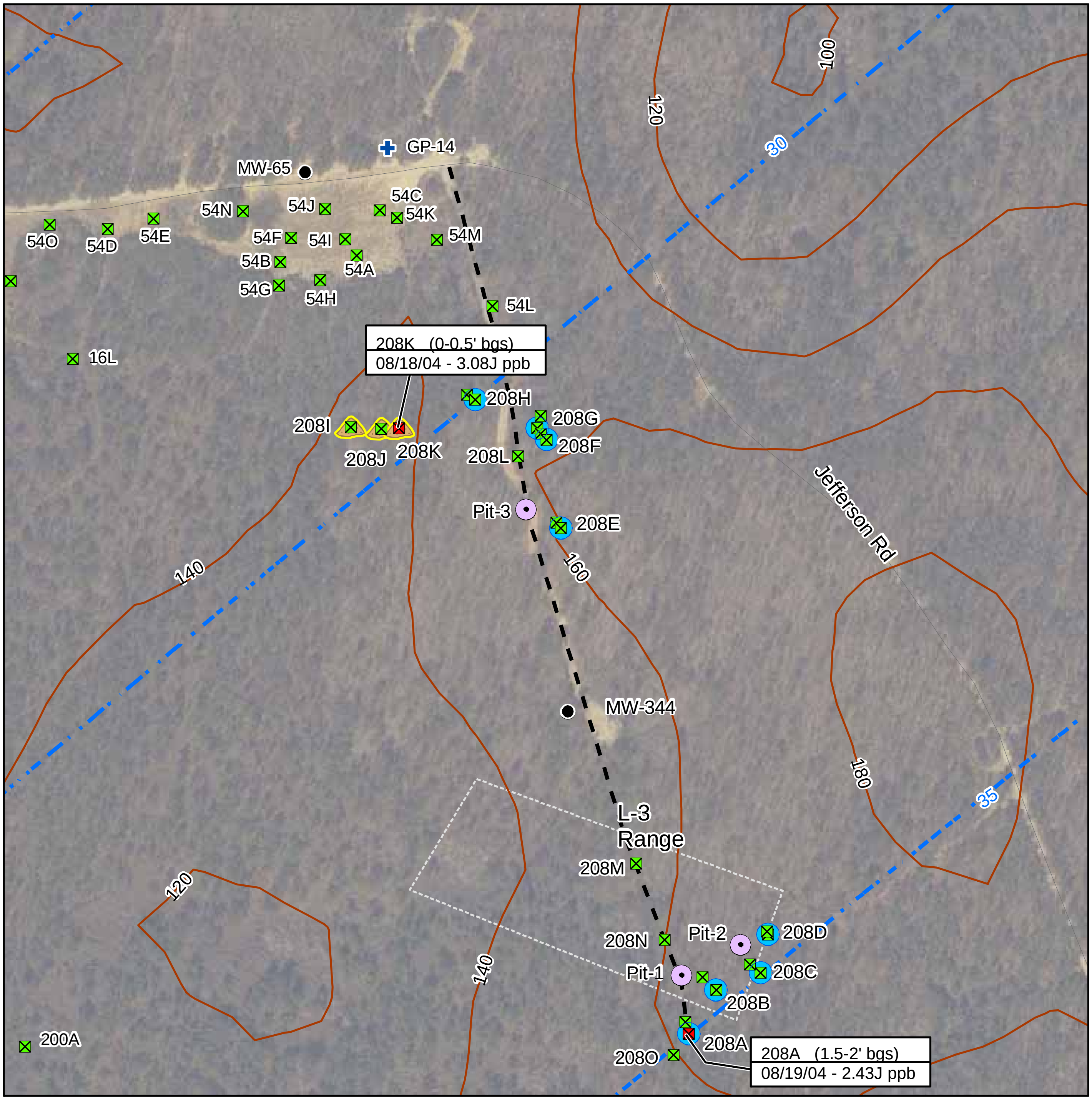
Westford, Massachusetts

Perchlorate Concentrations in Soil
Gun Position GP-19

FIGURE
4-2

J:\Gun&Mortar\Northwest Corner\Northwest Corner RI Report\
MMR-9964 Backcheck NWC RI Report\Figures\N9964_Fig4-2.pdf
G:\MMR_COE\Work2006\N9964\N9964_Fig4-2.mxd
February 14, 2006 DWN: AP CHKD: BK

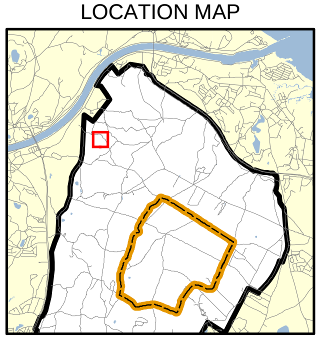
Impact Area Groundwater Study Program



LEGEND

- Existing Monitoring Well
- Soil Sample with Perchlorate - Greater than Non-Detect
- Soil Sample with Perchlorate Non-Detect
- Soil Piles
- Control Pits
- Target Pits
- Gun Position
- Topographic Surface Elevation Contours (20 ft intervals)
- GW Elevation Contours, AMEC NWC10M4 Model (In feet above NGVD)
- Access Trail from GP-14

LOCATION MAP



N

0 150 Feet

NOTES & SOURCES
Base Map Data from US Geological Survey 7 1/2 minute
Topgraphic Maps Source: MassGIS
Aerial Photos: Color Digital Orthophotos.
Date Flown: 2001. Source: MassGIS

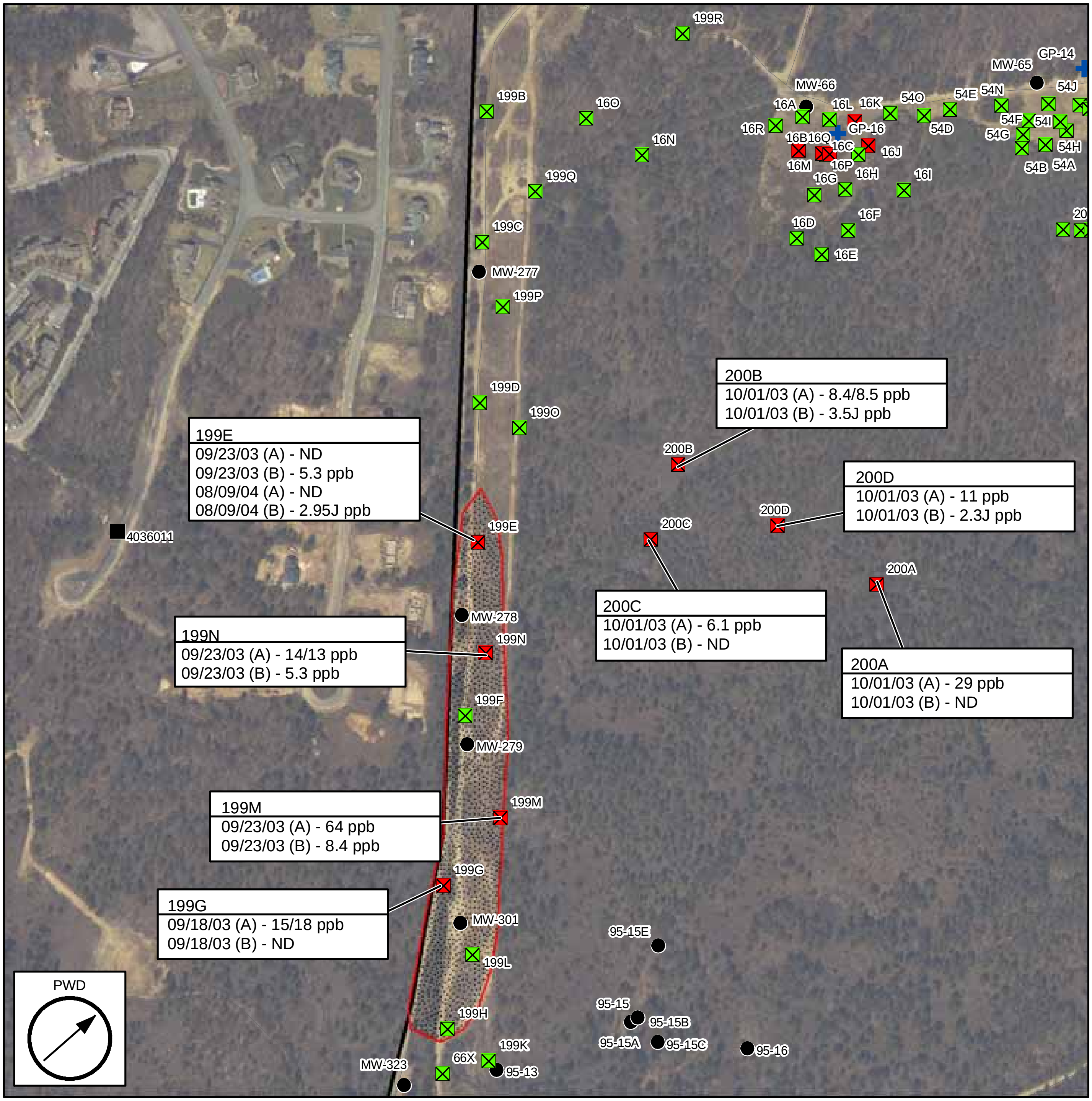
Perchlorate Concentrations in Soil
L-3 Range and Gun Position GP-14

AMEC Earth & Environmental, Inc.
Westford, Massachusetts

FIGURE
4-3

J:\Gun&Mortar\Northwest Corner\Northwest Corner RI Report\
MMR-9964 Backcheck NWC RI Report\Figures\N9964_Fig4-3.pdf
G:\MMR_COE\Work2006\N9964\N9964_Fig4-3.mxd
February 14, 2006 DWN: AP CHKD: BK

Impact Area
Groundwater Study Program

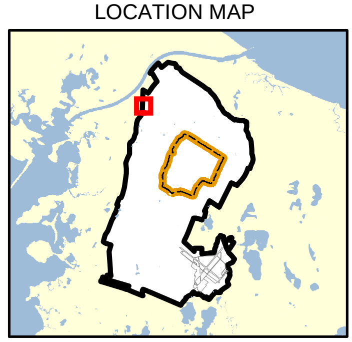


LEGEND

- ● Existing Monitoring Wells
- ■ Community Water Supply Well
- Soil Sample with Perchlorate Greater than Non-Detect
- Soil Sample with Perchlorate Non-Detect
- Gun Position
- Roads
- Visible Limit of Fireworks Debris
- MMR Boundary
- PWD Prevailing Wind Direction

Notes:
A Result is 0 - 0.5 ft.
B Result is 1.5 - 2 ft.

LOCATION MAP



0 400 Feet

NOTES & SOURCES
Map Coordinates: NAD 83, UTM
Zone 19N, Meters

N

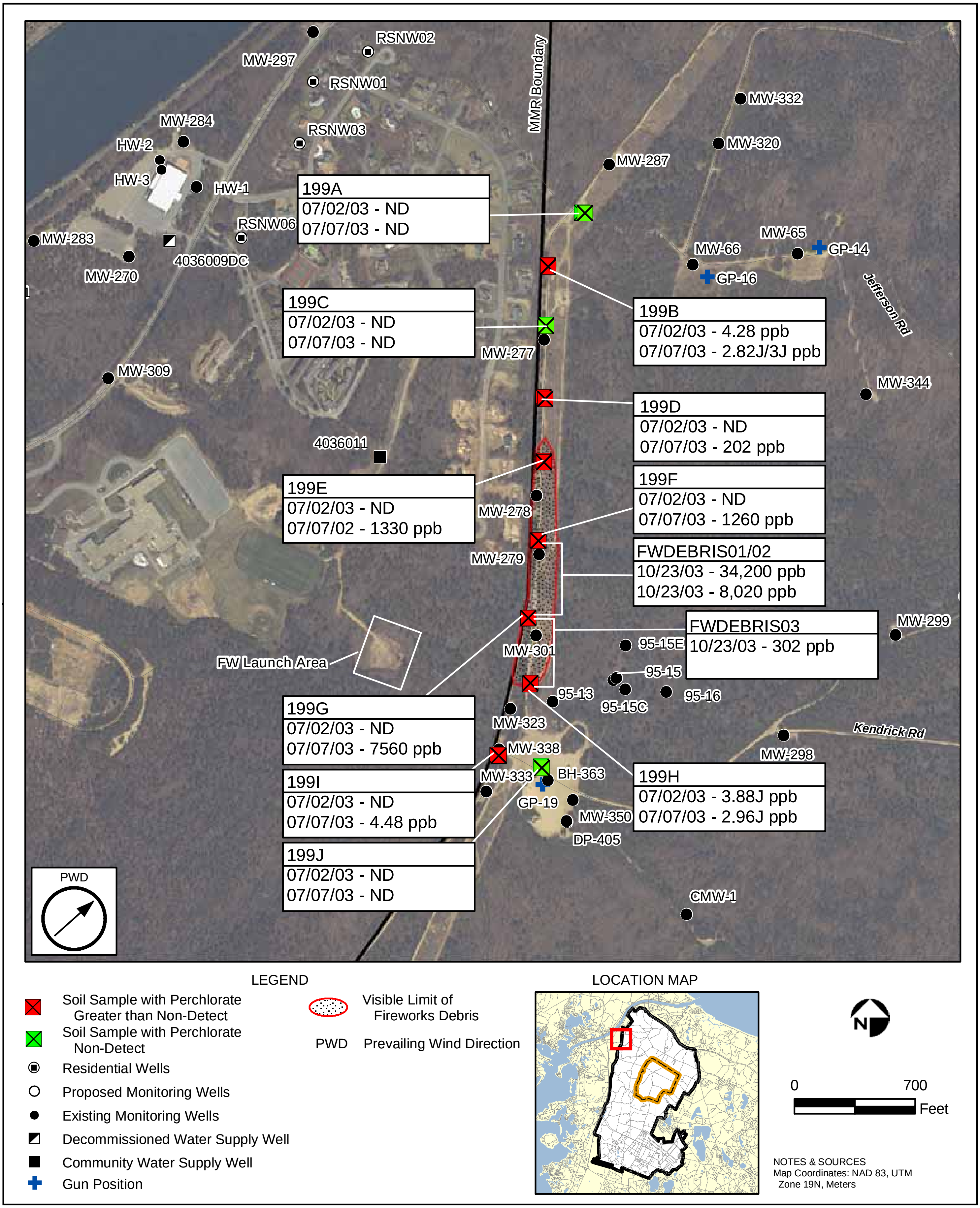
AMEC Earth & Environmental, Inc.
Westford, Massachusetts

Perchlorate Sampling Results, Canal View Road (Area 199) and Area South of GP-16 (Area 200); Northwest Corner

FIGURE
4-4

J:\Gun&Mortar\Northwest Corner\Northwest Corner RI Report\
MMR-9964 Backcheck NWC RI Report\Figures\N9964_Fig4-4.pdf
G:\MMR_COE\Work2006\N9964\N9964_Fig4-4.mxd
February 14, 2006 DWN: AP CHKD: BK

Impact Area
Groundwater Study Program



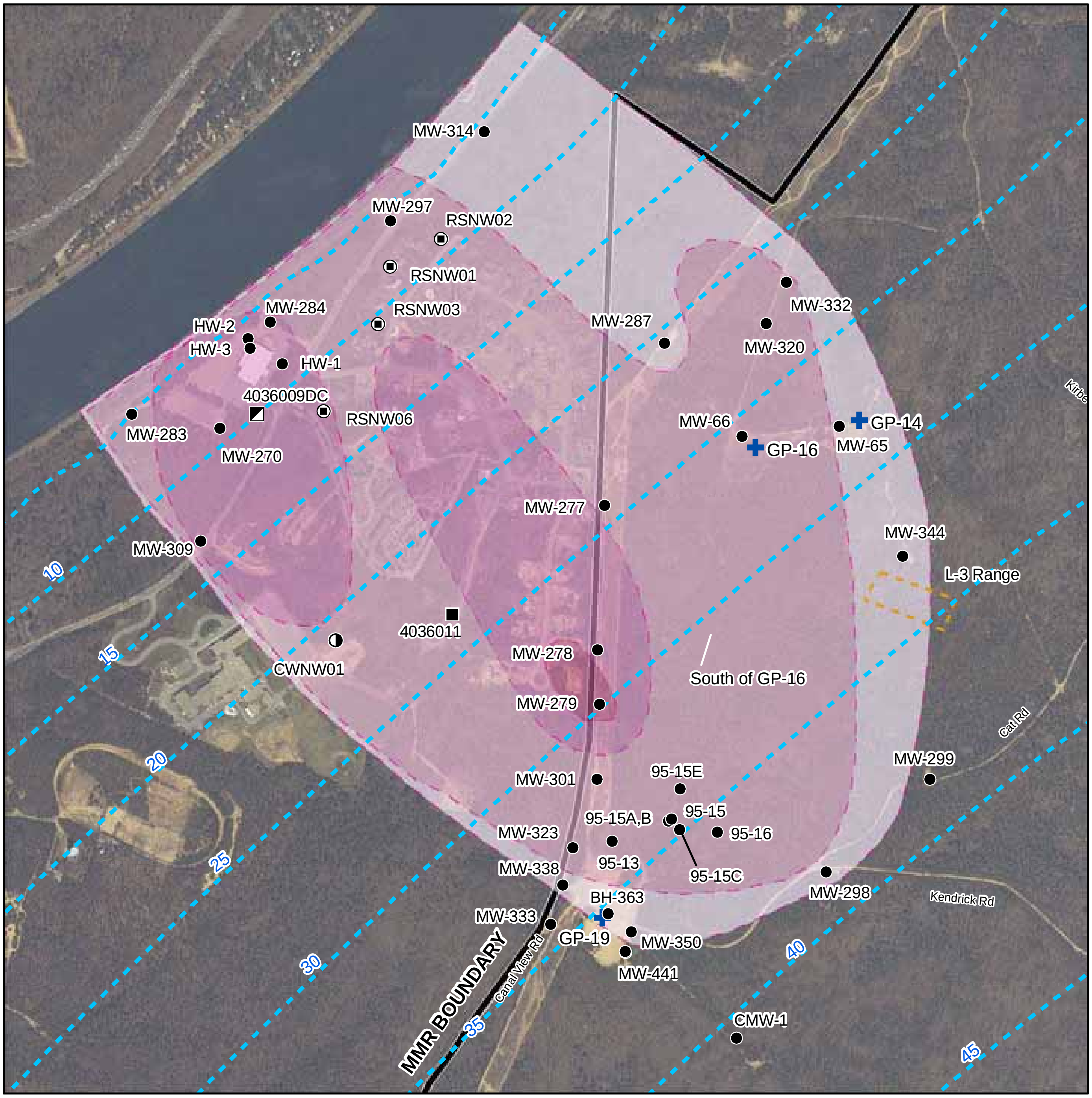
AMEC Earth & Environmental, Inc.
Westford, Massachusetts

Northwest Corner Soil and Fireworks Debris Sampling Results, July 2003

FIGURE 4-4a

J:\Gun&Mortar\Northwest Corner\Northwest Corner RI Report\
MMR-9964 Backcheck NWC RI Report\Figures\N9964_Fig4-4a.pdf
G:\MMR_COE\Work2006\N9964\N9964_Fig4-4a.mxd
February 14, 2006 DWN: AP CHKD: BK

Impact Area Groundwater Study Program



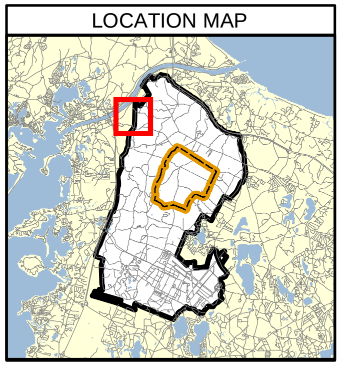
LEGEND

- Residential Wells
- Existing Monitoring Wells
- Decommissioned Water Supply Well
- Community Water Supply Well
- Existing Irrigation Well
- Proposed Monitoring Wells
- Gun Position
- GW Elevation Contours, AMEC MMR-10NW Model (In Feet Above NGVD)

Perchlorate in Groundwater (10/01/05)

- Non-detect to less than 1 ppb
- 1 ppb to less than 4 ppb
- 4 ppb to less than 18 ppb
- 18 ppb to less than 100 ppb
- L-3 Range Area

LOCATION MAP



0 900 Feet

NOTES & SOURCES
Base Data from US Geological Survey 7 1/2 minute
Topgraphic Maps Source: MassGIS
Aerial Photos: Color Digital Orthophotos
Date Flown 2001. Source: MassGIS

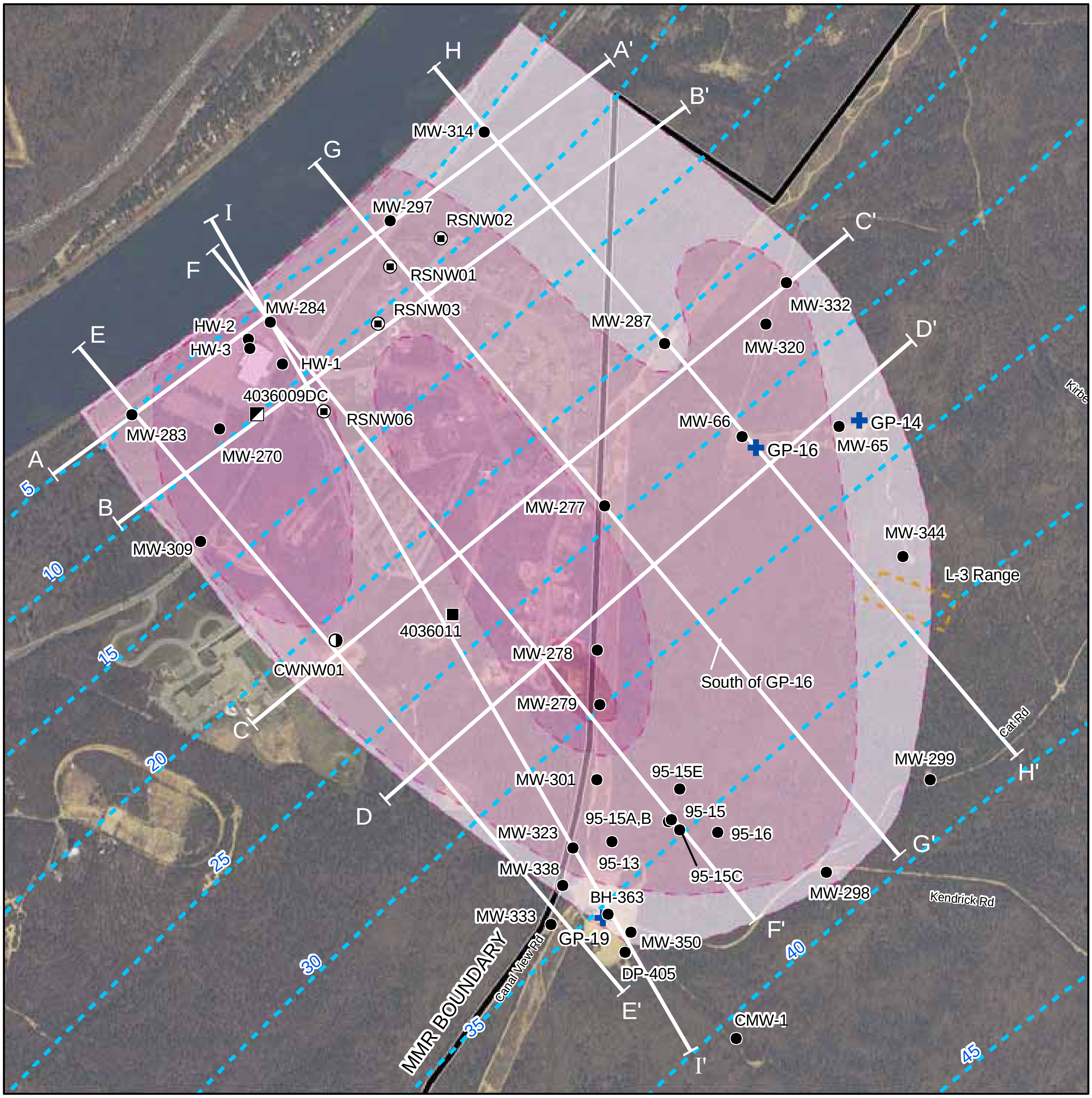
AMEC Earth & Environmental, Inc.
Westford, Massachusetts

Perchlorate Concentration in Groundwater Northwest Corner

FIGURE 4-5

J:\Gun&Mortar\Northwest Corner\Northwest Corner RI Report\
MMR-9964 Backcheck NWC RI Report\Figures\N9964_Fig4-5.pdf
G:\MMR_COE\Work2006\N9964\N9964_Fig4-5.mxd
August 31, 2006 DWN: JBB CHKD: ABF

Impact Area Groundwater Study Program



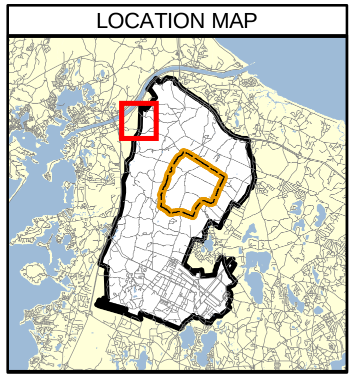
LEGEND

- Residential Wells
- Existing Monitoring Wells
- Decommissioned Water Supply Well
- Community Water Supply Well
- Existing Irrigation Well
- Proposed Monitoring Wells
- Gun Position
- GW Elevation Contours, AMEC MMR-10NW Model (In Feet Above NGVD)

Perchlorate in Groundwater (10/01/05)

- Non-detect to less than 1 ppb
- 1 ppb to less than 4 ppb
- 4 ppb to less than 18 ppb
- 18 ppb to less than 100 ppb
- L-3 Range Area

LOCATION MAP



0 900 Feet

NOTES & SOURCES
Base Data from US Geological Survey 7 1/2 minute
Topgraphic Maps Source: MassGIS
Aerial Photos: Color Digital Orthophotos Date Flown 2001. Source: MassGIS

Perchlorate Concentration in Groundwater
Northwest Corner

AMEC Earth & Environmental, Inc.
Westford, Massachusetts

FIGURE
4-5a

J:\Gun&Mortar\Northwest Corner\Northwest Corner RI Report\
MMR-9964 Backcheck NWC RI Report\Figures\N9964_Fig4-5a.pdf
G:\MMR_COE\Work2006\N9964\N9964_Fig4-5a.mxd
February 14, 2006 DWN: AP CHKD: BK

Impact Area Groundwater Study Program

LEGEND

- Residential Wells
- Proposed Monitoring Wells
- Existing Monitoring Wells
- Decommissioned Water Supply Well
- Community Water Supply Well
- Existing Irrigation Well
- Gun Position

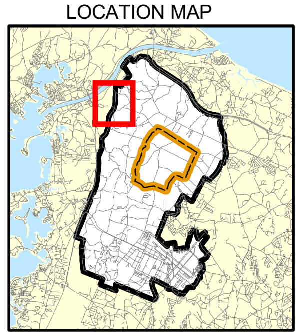
RDX in Groundwater (08/17/04)*
- Non-detect to less than 2 ppb
- Greater than or equal to 2 ppb

GW Elevation Contours, AMEC MMR-10NW Model (In Feet Above NGVD)

L-3 Range Area

* Contour lines dashed where inferred

LOCATION MAP



0 900 Feet

NOTES & SOURCES
Base Data from US Geological Survey
7 1/2 minute Topographic Maps
Source: MassGIS
Aerial Photos: Color Digital Orthophotos
Date Flown 2001. Source: MassGIS

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Westford, Massachusetts

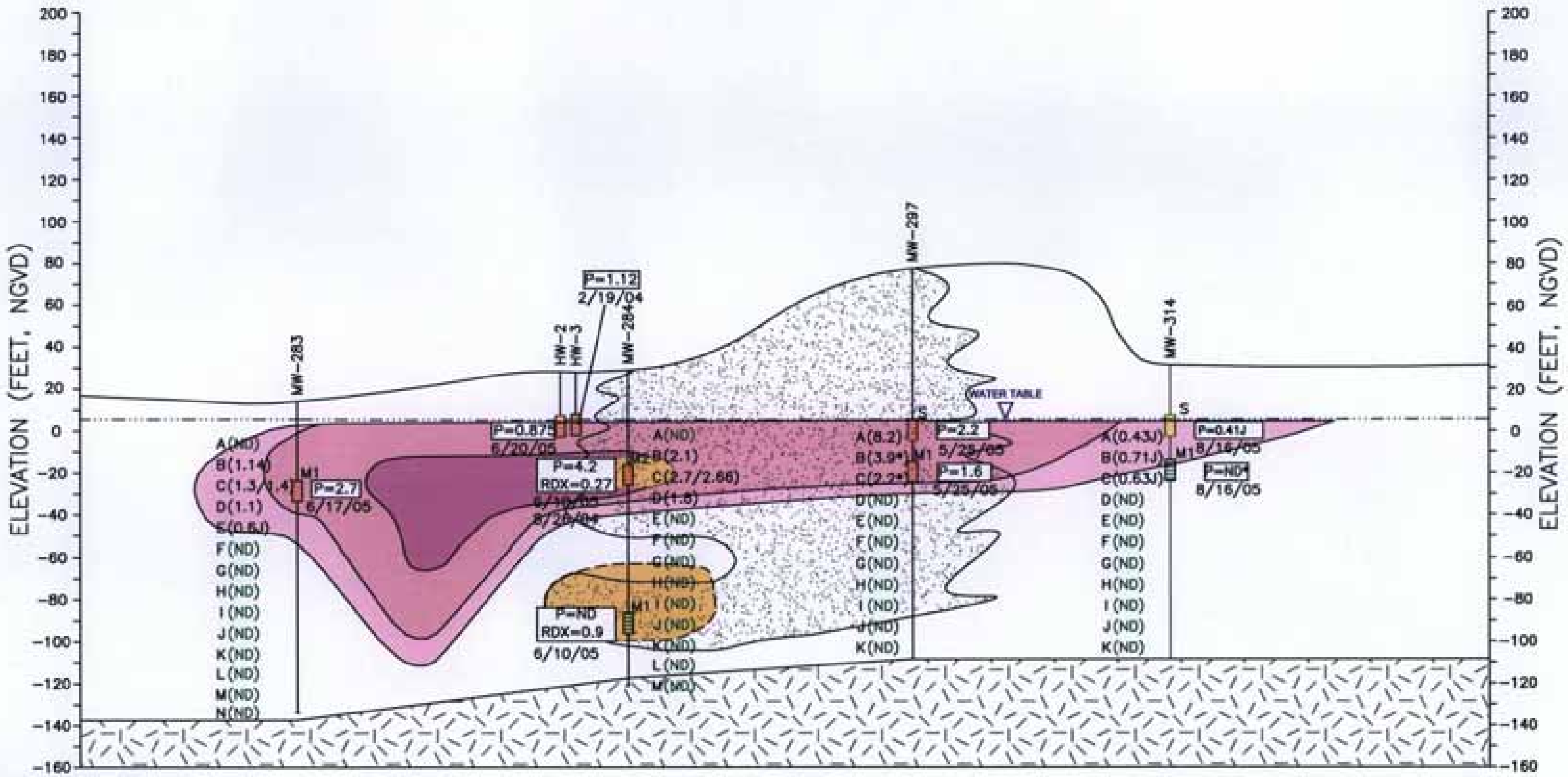
RDX Concentration in Groundwater
Northwest Corner

FIGURE 4-6

J:\Gun&Mortar\Northwest Corner\Northwest Corner RI Report\
MMR-9964 Backcheck NWC RI Report\Figures\N9964_Fig4-6.pdf
G:\MMR_COE\Work2006\N9964\N9964_Fig4-6.mxd
February 14, 2006 DWN: AP CHKD: BK

Impact Area Groundwater Study Program

CROSS SECTION A–A'



NOTES:
1. FOR ORIENTATION OF CROSS SECTION, SEE FIGURE 4–5a.
2. GEOLOGIC CONDITIONS BETWEEN EXPLORATIONS ARE AN INTERPRETATION OF AVAILABLE DATA. ACTUAL CONDITIONS MAY VARY.
3. NGVD = NATIONAL GEODETIC VERTICAL DATUM
4. SAMPLE COLLECTION DATES FOR EACH MONITORING WELL IDENTIFIED ADJACENT TO OR BENEATH RESULTS FOR EACH WELL.
5. CONCENTRATIONS IN UG/L
6. J = ESTIMATED CONCENTRATION
   * = UNVALIDATED DATA
7. ND = NON-DETECT, NS = NOT SAMPLED, P = PERCHLORATE, R = RDX, 1.55 = CONCENTRATION IN UG/L
8. CONCENTRATIONS LISTED ARE THE MOST RECENT AS OF 8/13/05.
9. ** = SCREEN DEPTHS ESTIMATED
10. DASHED GRAY LINES INDICATES WELL HAS BEEN PROJECTED INTO THE CROSS SECTION

LEGEND

PERCHLORATE CONCENTRATIONS
- ND
- MDL – <1 ug/L
- 1 – <4 ug/L
- >4 ug/L

GEOLOGIC UNITS
- M-C SAND & GRAVEL
- SILTY-FSAND
- CLAY
- BEDROCK

PERCHLORATE PLUME CONCENTRATIONS
- ND – 1.0 ug/l
- 1.0 ug/l – 4 ug/l
- 4 ug/l – 18 ug/l

RDX PLUME CONCENTRATIONS
- ND – 2.0 ug/l
- 2.0 ug/l – 10 ug/l

SCREEN DESIGNATION
M2
P = 1.5
RDX = ND
6/6/02
GROUNDWATER CONCENTRATION AT WELL
WELL SCREEN LOCATION
DATE COMPLETE COLLECTED

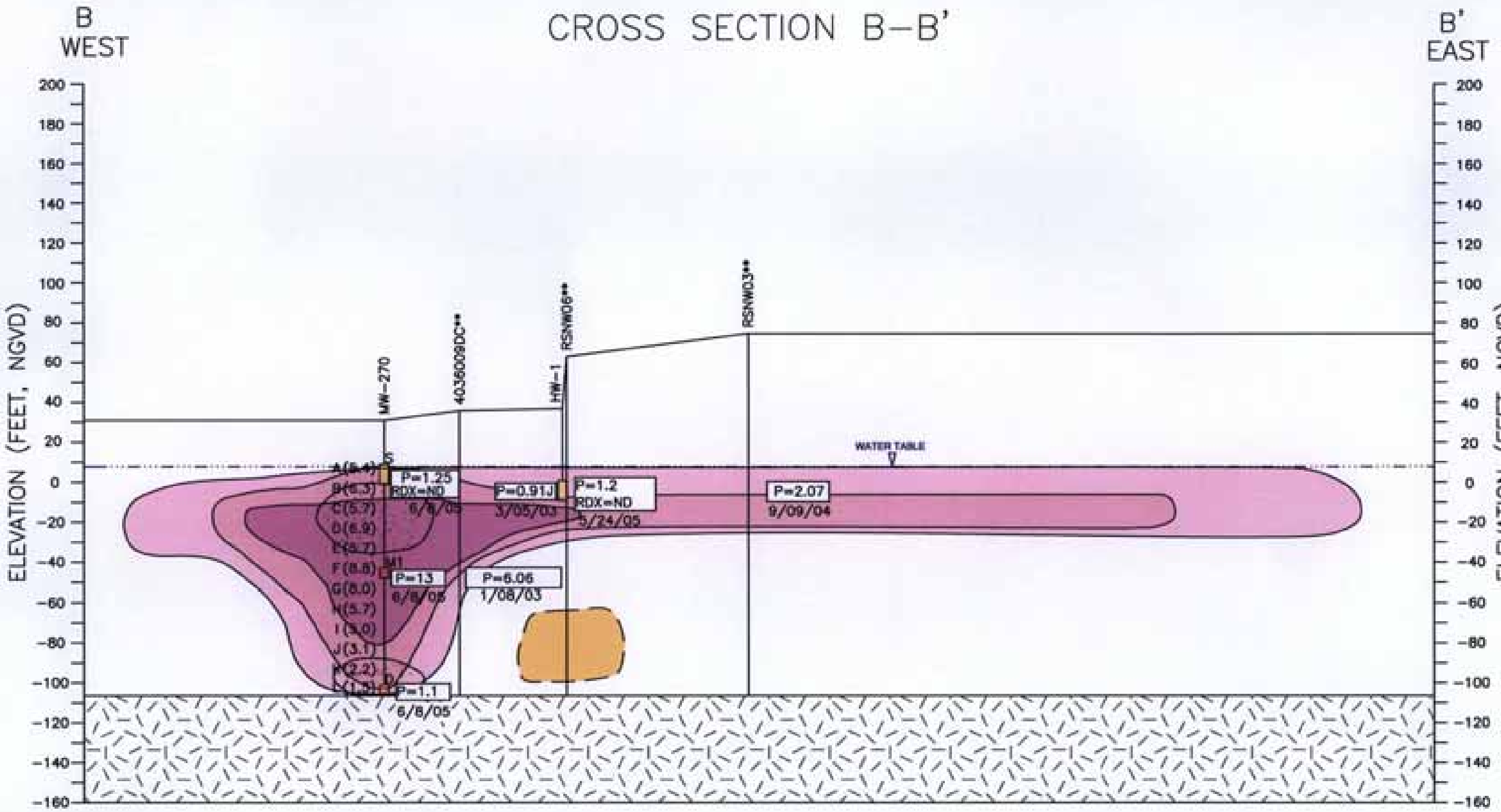
HORIZONTAL SCALE: (1"=400')
0 400' 800'
0 60' 120'
VERTICAL SCALE: (1"=60')

FIGURE 4–7

NORTHWEST CORNER OF
CAMP EDWARDS
CROSS SECTION A–A'

REVISIONS	AMEC Project No: 278225018		
01/04/06	DRAWN BY: DD	DATE: 03/05/03	DRAWING NO.
	CHECKED BY: KH		

CROSS SECTION B–B'



NOTES:

1. FOR ORIENTATION OF CROSS SECTION, SEE FIGURE 4–5a.
2. GEOLOGIC CONDITIONS BETWEEN EXPLORATIONS ARE AN INTERPRETATION OF AVAILABLE DATA. ACTUAL CONDITIONS MAY VARY.
3. NGVD = NATIONAL GEODETIC VERTICAL DATUM
4. SAMPLE COLLECTION DATES FOR EACH MONITORING WELL IDENTIFIED ADJACENT TO OR BENEATH RESULTS FOR EACH WELL.
5. CONCENTRATIONS IN UG/L.
6. J = ESTIMATED CONCENTRATION
   * = UNVALIDATED DATA
7. ND = NON-DETECT, NS = NOT SAMPLED, P = PERCHLORATE, R = RDX, 1.55 = CONCENTRATION IN UG/L
8. CONCENTRATIONS LISTED ARE THE MOST RECENT RESULTS AS OF 8/13/05.
9. ** = SCREEN DEPTHS ESTIMATED
10. DASHED GRAY LINES INDICATES WELL HAS BEEN PROJECTED INTO THE CROSS SECTION

LEGEND

PERCHLORATE CONCENTRATIONS
- ND
- MDL – <1 ug/L
- 1 – <4 ug/L
- >4 ug/L

GEOLOGIC UNITS
- M-C SAND & GRAVEL
- SILTY-FSAND
- CLAY
- BEDROCK

PERCHLORATE PLUME CONCENTRATIONS
- ND – 1.0 ug/l
- 1.0 ug/l – 4 ug/l
- 4 ug/l – 18 ug/l

RDX PLUME CONCENTRATIONS
- ND – 2.0 ug/l
- 2.0 ug/l – 10 ug/l

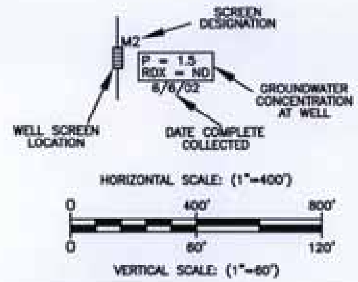
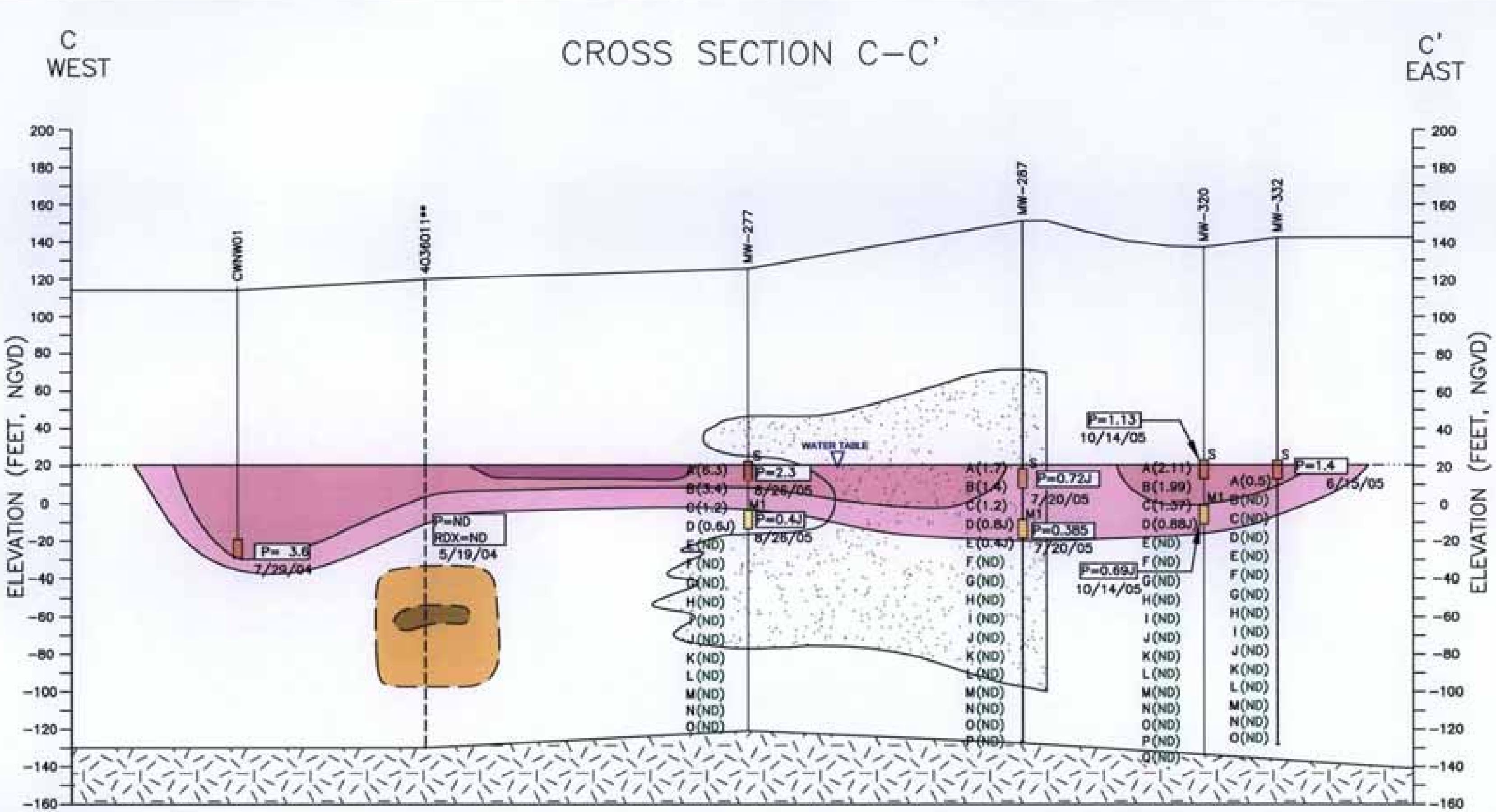


FIGURE 4–8

NORTHWEST CORNER OF CAMP EDWARDS CROSS SECTION B–B'

REVISIONS	AMEC Project No: 276225018		
01/04/06	DRAWN BY: DD	DATE: 03/05/03	DRAWING NO.
	CHECKED BY: KH		

CROSS SECTION C–C'



NOTES:

1. FOR ORIENTATION OF CROSS SECTION, SEE FIGURE 4–5a.
2. GEOLOGIC CONDITIONS BETWEEN EXPLORATIONS ARE AN INTERPRETATION OF AVAILABLE DATA. ACTUAL CONDITIONS MAY VARY.
3. NGVD = NATIONAL GEODETIC VERTICAL DATUM
4. SAMPLE COLLECTION DATES FOR EACH MONITORING WELL IDENTIFIED ADJACENT TO OR BENEATH RESULTS FOR EACH WELL.
5. CONCENTRATIONS IN UG/L
6. J = ESTIMATED CONCENTRATION
   * = UNVALIDATED DATA
7. ND = NON-DETECT, NS = NOT SAMPLED, P = PERCHLORATE, R = RDX, 1.55 = CONCENTRATION IN UG/L
8. CONCENTRATIONS LISTED ARE THE MOST RECENT RESULTS AS OF 8/13/05.
9. ** = SCREEN DEPTHS ESTIMATED
10. DASHED GRAY LINES INDICATES WELL HAS BEEN PROJECTED INTO THE CROSS SECTION

LEGEND

PERCHLORATE CONCENTRATIONS
- ND
- MDL – <1 ug/L
- 1 – <4 ug/L
- >4 ug/L

GEOLOGIC UNITS
- M–C SAND & GRAVEL
- SILTY–FSAND
- CLAY
- BEDROCK

PERCHLORATE PLUME CONCENTRATIONS
- ND – 1.0 ug/l
- 1.0 ug/l – 4 ug/l
- 4 ug/l – 18 ug/l

RDX PLUME CONCENTRATIONS
- ND – 2.0 ug/l
- 2.0 ug/l – 10 ug/l

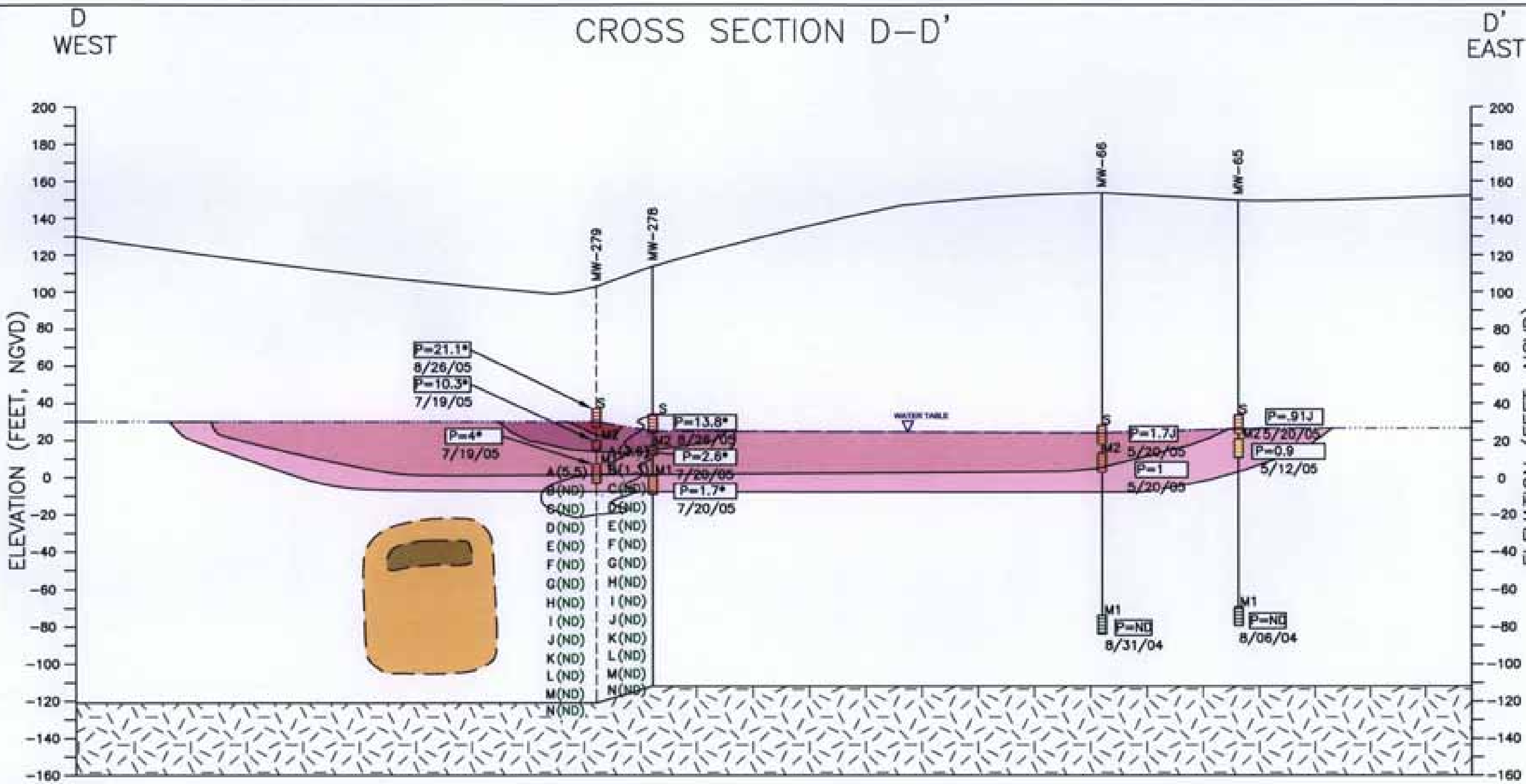
SCREEN DESIGNATION — M2
P = 1.5
RDX = ND
6/6/02
GROUNDWATER CONCENTRATION AT WELL
WELL SCREEN LOCATION
DATE COMPLETE COLLECTED

HORIZONTAL SCALE: (1"=400')
0 400' 800'
0 60' 120'
VERTICAL SCALE: (1"=60')

FIGURE 4–9

NORTHWEST CORNER OF CAMP EDWARDS CROSS SECTION C–C'

REVISIONS	AMEC Project No: 276225018		
01/04/06	DRAWN BY: DD	DATE: 03/05/03	DRAWING NO.
	CHECKED BY: KH		



NOTES:

1. FOR ORIENTATION OF CROSS SECTION, SEE FIGURE 4-5a.
2. GEOLOGIC CONDITIONS BETWEEN EXPLORATIONS ARE AN INTERPRETATION OF AVAILABLE DATA. ACTUAL CONDITIONS MAY VARY.
3. NGVD = NATIONAL GEODETIC VERTICAL DATUM
4. SAMPLE COLLECTION DATES FOR EACH MONITORING WELL IDENTIFIED ADJACENT TO OR BENEATH RESULTS FOR EACH WELL.
5. CONCENTRATIONS IN UG/L.
6. J = ESTIMATED CONCENTRATION
   * = UNVALIDATED DATA
7. ND = NON-DETECT, NS = NOT SAMPLED, P = PERCHLORATE, R = RDX, 1.55 = CONCENTRATION IN UG/L
8. CONCENTRATIONS LISTED ARE THE MOST RECENT RESULTS AS OF 8/13/05.
9. ** = SCREEN DEPTHS ESTIMATED
10. DASHED GRAY LINES INDICATES WELL HAS BEEN PROJECTED INTO THE CROSS SECTION

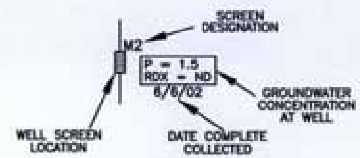
LEGEND

PERCHLORATE CONCENTRATIONS
- ND
- MDL - <1 ug/L
- 1 - <4 ug/L
- >4 ug/L

GEOLOGIC UNITS
- M-C SAND & GRAVEL
- SILTY-FSAND
- CLAY
- BEDROCK

PERCHLORATE PLUME CONCENTRATIONS
- ND - 1.0 ug/l
- 1.0 ug/l - 4 ug/l
- 4 ug/l - 18 ug/l
- >18 ug/l

RDX PLUME CONCENTRATIONS
- ND - 2.0 ug/l
- 2.0 ug/l - 10 ug/l



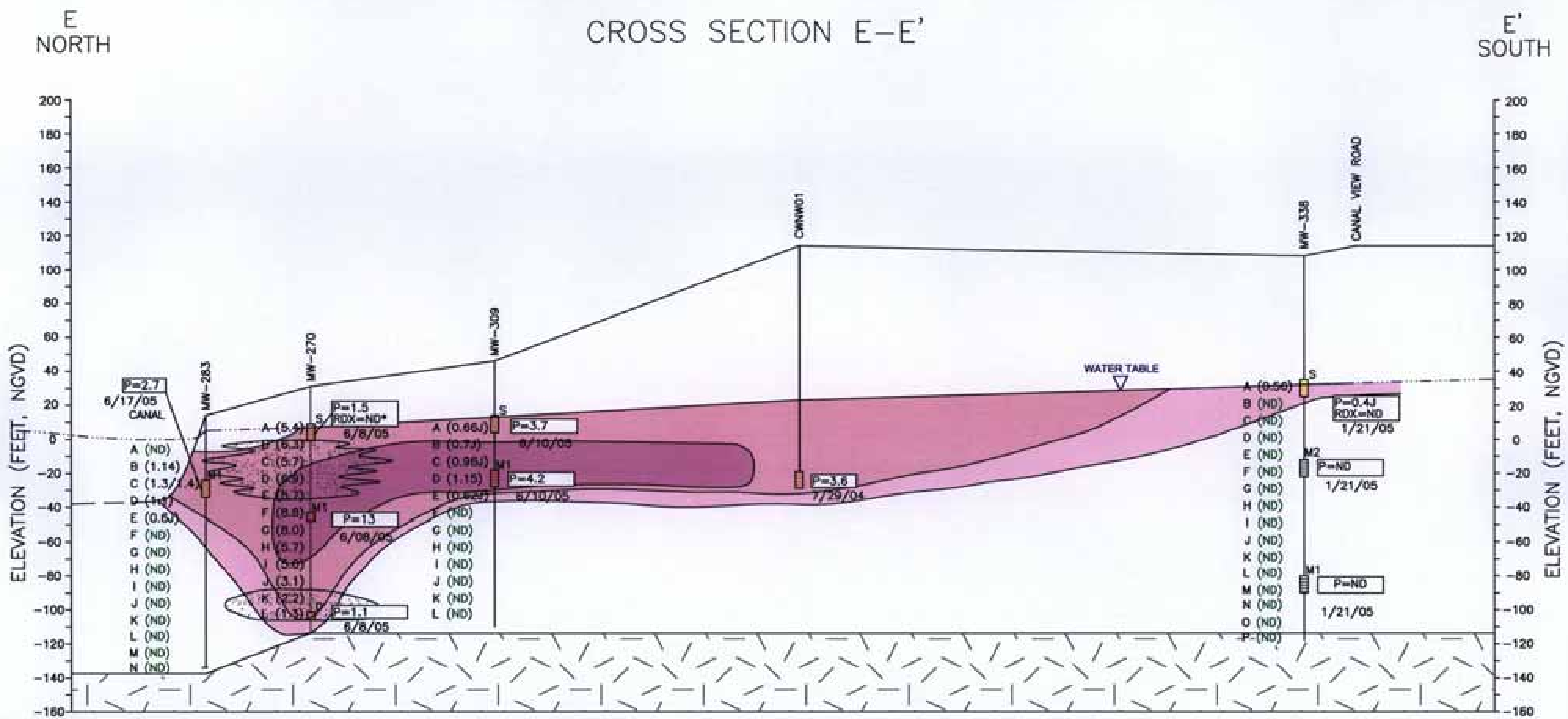
HORIZONTAL SCALE: (1"=400')
0 400' 800'
0 60' 120'
VERTICAL SCALE: (1"=60')

FIGURE 4-10

NORTHWEST CORNER OF CAMP EDWARDS
CROSS SECTION D-D'

REVISIONS	AMEC Project No: 276225018		
01/04/06	DRAWN BY: DD	DATE: 03/05/03	DRAWING NO.
	CHECKED BY: KH		

FILE: d:\Sundstorm\Northwest Corner\Cross Sections\Mar 01.06\Cross-Section D-D'rev.dwg PRINTED BY: mike.j.robinson - 13 Feb 2006 - 2:58pm



NOTES:
1. FOR ORIENTATION OF CROSS SECTION, SEE FIGURE 4-5a.
2. GEOLOGIC CONDITIONS BETWEEN EXPLORATIONS ARE AN INTERPRETATION OF AVAILABLE DATA. ACTUAL CONDITIONS MAY VARY.
3. NGVD = NATIONAL GEODETIC VERTICAL DATUM
4. SAMPLE COLLECTION DATES FOR EACH MONITORING WELL IDENTIFIED ADJACENT TO OR BENEATH RESULTS FOR EACH WELL.
5. CONCENTRATIONS IN UG/L
6. J = ESTIMATED CONCENTRATION
   * = UNVALIDATED DATA
7. ND = NON-DETECT, NS = NOT SAMPLED, P = PERCHLORATE, R = RDX, 1.55 = CONCENTRATION IN UG/L
8. CONCENTRATIONS LISTED ARE THE MOST RECENT RESULTS AS OF 8/13/05.
9. ** = SCREEN DEPTHS ESTIMATED
10. DASHED GRAY LINES INDICATES WELL HAS BEEN PROJECTED INTO THE CROSS SECTION

LEGEND

PERCHLORATE CONCENTRATIONS
- ND
- MDL - <1 ug/L
- 1 - <4 ug/L
- >4 ug/L

GEOLOGIC UNITS
- M-C SAND & GRAVEL
- SILTY-FSAND
- CLAY
- BEDROCK

PERCHLORATE PLUME CONCENTRATIONS
- ND - 1.0 ug/l
- 1.0 ug/l - 4 ug/l
- 4 ug/l - 18 ug/l

RDX PLUME CONCENTRATIONS
- ND - 2.0 ug/l
- 2.0 ug/l - 10 ug/l

SCREEN DESIGNATION
M2
P = 1.5
RDX = ND
6/6/02
GROUNDWATER CONCENTRATION AT WELL
WELL SCREEN LOCATION
DATE COMPLETE COLLECTED

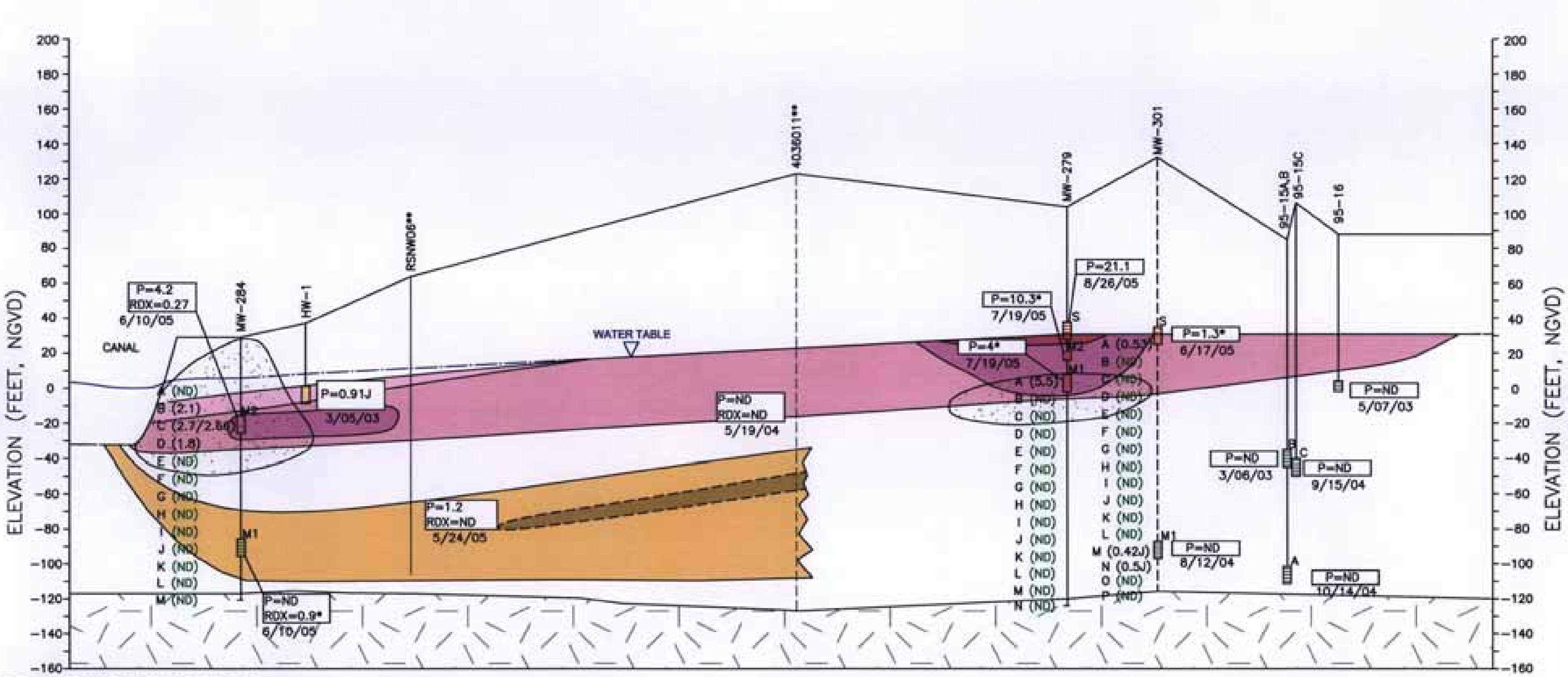
HORIZONTAL SCALE: (1"=400')
0 400' 800'
0 60' 120'
VERTICAL SCALE: (1"=60')

FIGURE 4-11

NORTHWEST CORNER OF
CAMP EDWARDS
CROSS SECTION E-E'

REVISIONS	AMEC Project No: 276225018		
01/04/06	DRAWN BY: DD	DATE: 03/05/03	DRAWING NO.
	CHECKED BY: KH		

CROSS SECTION F-F'



NOTES:
1. FOR ORIENTATION OF CROSS SECTION, SEE FIGURE 4-5a.
2. GEOLOGIC CONDITIONS BETWEEN EXPLORATIONS ARE AN INTERPRETATION OF AVAILABLE DATA. ACTUAL CONDITIONS MAY VARY.
3. NGVD = NATIONAL GEODETIC VERTICAL DATUM
4. SAMPLE COLLECTION DATES FOR EACH MONITORING WELL IDENTIFIED ADJACENT TO OR BENEATH RESULTS FOR EACH WELL.
5. CONCENTRATIONS IN UG/L
6. J = ESTIMATED CONCENTRATION
 * = UNVALIDATED DATA
7. ND = NON-DETECT, NS = NOT SAMPLED, P = PERCHLORATE, R = RDX, 1.55 = CONCENTRATION IN UG/L
8. CONCENTRATIONS LISTED ARE THE MOST RECENT RESULTS AS OF 8/13/05.
9. ** = SCREEN DEPTHS ESTIMATED
10. DASHED GRAY LINES INDICATES WELL HAS BEEN PROJECTED INTO THE CROSS SECTION

LEGEND

PERCHLORATE CONCENTRATIONS
- ND
- MDL - <1 ug/L
- 1 - <4 ug/L
- >4 ug/L

GEOLOGIC UNITS
- M-C SAND & GRAVEL
- SILTY-FSAND
- CLAY
- BEDROCK

PERCHLORATE PLUME CONCENTRATIONS
- ND - 1.0 ug/l
- 1.0 ug/l - 4 ug/l
- 4 ug/l - 18 ug/l
- >18 ug/l

RDX PLUME CONCENTRATIONS
- ND - 2.0 ug/l
- 2.0 ug/l - 10 ug/l

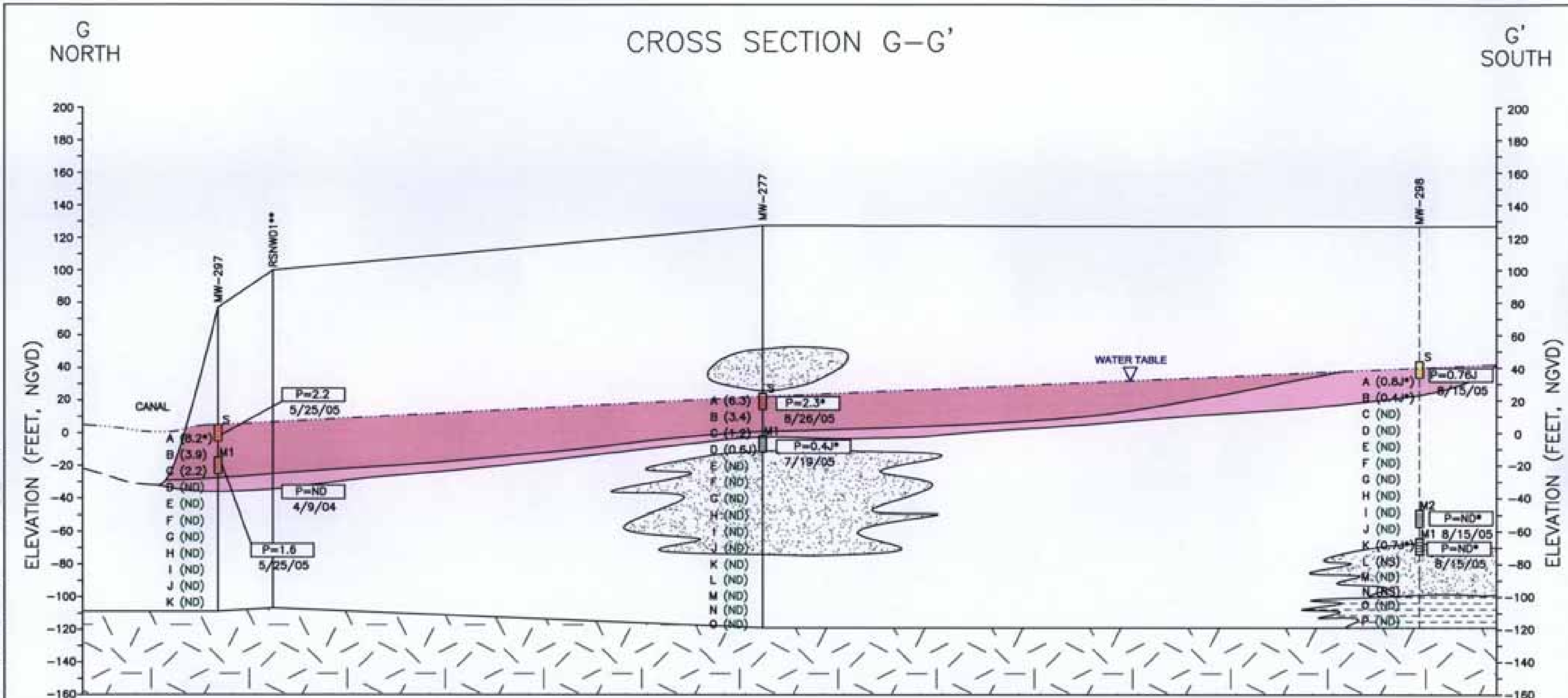
M2 — SCREEN DESIGNATION; WELL SCREEN LOCATION; P = 1.5 RDX = ND — GROUNDWATER CONCENTRATION AT WELL; 6/6/02 — DATE COMPLETE COLLECTED

HORIZONTAL SCALE: (1"=400') 0 400' 800'
VERTICAL SCALE: (1"=60') 0 60' 120'

FIGURE 4-12

NORTHWEST CORNER OF CAMP EDWARDS CROSS SECTION F-F'

REVISIONS	AMEC Project No: 278225018		
01/04/06	DRAWN BY: DD	DATE: 03/05/03	DRAWING NO.
	CHECKED BY: KH		



NOTES:

1. FOR ORIENTATION OF CROSS SECTION, SEE FIGURE 4–5a.
2. GEOLOGIC CONDITIONS BETWEEN EXPLORATIONS ARE AN INTERPRETATION OF AVAILABLE DATA. ACTUAL CONDITIONS MAY VARY.
3. NGVD = NATIONAL GEODETIC VERTICAL DATUM
4. SAMPLE COLLECTION DATES FOR EACH MONITORING WELL IDENTIFIED ADJACENT TO OR BENEATH RESULTS FOR EACH WELL.
5. CONCENTRATIONS IN UG/L
6. J = ESTIMATED CONCENTRATION
   * = UNVALIDATED DATA
7. ND = NON-DETECT, NS = NOT SAMPLED, P = PERCHLORATE, R = RDX, 1.55 = CONCENTRATION IN UG/L
8. CONCENTRATIONS LISTED ARE THE MOST RECENT RESULTS AS OF 8/13/05.
9. ** = SCREEN DEPTHS ESTIMATED
10. DASHED GRAY LINES INDICATES WELL HAS BEEN PROJECTED INTO THE CROSS SECTION

LEGEND

PERCHLORATE CONCENTRATIONS
- ND
- MDL – <1 ug/L
- 1 – <4 ug/L
- >4 ug/L

PERCHLORATE PLUME CONCENTRATIONS
- ND – 1.0 ug/l
- 1.0 ug/l – 4 ug/l
- 4 ug/l – 18 ug/l

GEOLOGIC UNITS
- M–C SAND & GRAVEL
- SILTY–FSAND
- CLAY
- BEDROCK

SCREEN DESIGNATION — M2
P = 1.5
RDX = ND
6/6/02
GROUNDWATER CONCENTRATION AT WELL
WELL SCREEN LOCATION
DATE COMPLETE COLLECTED

HORIZONTAL SCALE: (1"=400') 0 400' 800'
VERTICAL SCALE: (1"=60') 0 60' 120'

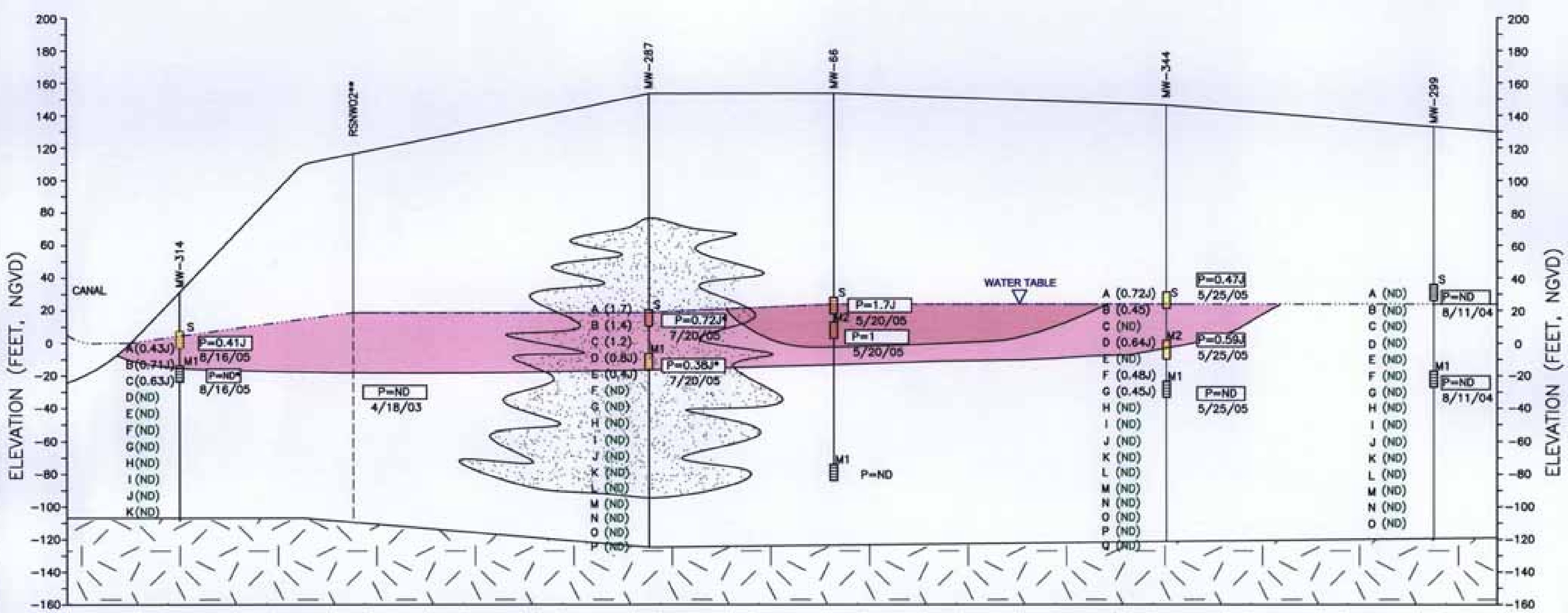
FIGURE 4–13

NORTHWEST CORNER OF CAMP EDWARDS CROSS SECTION G–G'

REVISIONS	AMEC Project No: 276225018		
01/04/06	DRAWN BY: DD	DATE: 03/05/03	DRAWING NO.
	CHECKED BY: KH		

CROSS SECTION H-H'

H NORTH | H' SOUTH



NOTES:

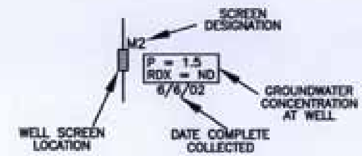
1. FOR ORIENTATION OF CROSS SECTION, SEE FIGURE 4-5a.
2. GEOLOGIC CONDITIONS BETWEEN EXPLORATIONS ARE AN INTERPRETATION OF AVAILABLE DATA. ACTUAL CONDITIONS MAY VARY.
3. NGVD = NATIONAL GEODETIC VERTICAL DATUM
4. SAMPLE COLLECTION DATES FOR EACH MONITORING WELL IDENTIFIED ADJACENT TO OR BENEATH RESULTS FOR EACH WELL.
5. CONCENTRATIONS IN UG/L
6. J = ESTIMATED CONCENTRATION
   * = UNVALIDATED DATA
7. ND = NON-DETECT, NS = NOT SAMPLED, P = PERCHLORATE, R = RDX, 1.55 = CONCENTRATION IN UG/L
8. CONCENTRATIONS LISTED ARE THE MOST RECENT RESULTS AS OF 8/13/05.
9. ** = SCREEN DEPTHS ESTIMATED
10. DASHED GRAY LINES INDICATES WELL HAS BEEN PROJECTED INTO THE CROSS SECTION

LEGEND

PERCHLORATE CONCENTRATIONS
- ND
- MDL - <1 ug/L
- 1 - <4 ug/L
- >4 ug/L

PERCHLORATE PLUME CONCENTRATIONS
- ND - 1.0 ug/l
- 1.0 ug/l - 4 ug/l

GEOLOGIC UNITS
- M-C SAND & GRAVEL
- SILTY-FSAND
- CLAY
- BEDROCK



HORIZONTAL SCALE: (1"=400') 0 400' 800'

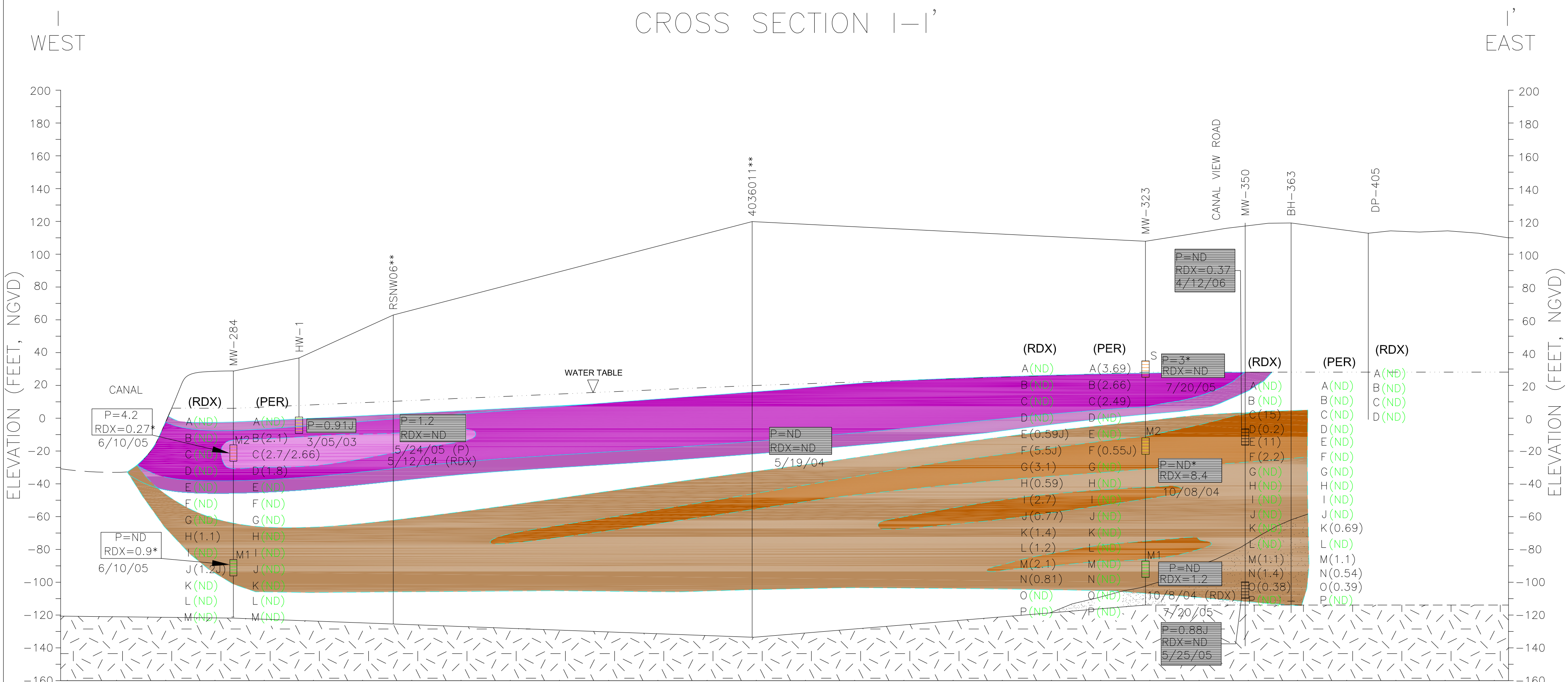
VERTICAL SCALE: (1"=60') 0 60' 120'

FIGURE 4-14

NORTHWEST CORNER OF CAMP EDWARDS CROSS SECTION H-H'

REVISIONS	AMEC Project No: 276225018		DRAWING NO.
01/04/06	DRAWN BY: DD	DATE: 03/05/03	
	CHECKED BY: KH		

CROSS SECTION I–I'



NOTES:

1. FOR ORIENTATION OF CROSS SECTION, SEE FIGURE 4–5a.
2. GEOLOGIC CONDITIONS BETWEEN EXPLORATIONS ARE AN INTERPRETATION OF AVAILABLE DATA. ACTUAL CONDITIONS MAY VARY.
3. NGVD = NATIONAL GEODETIC VERTICAL DATUM
4. SAMPLE COLLECTION DATES FOR EACH MONITORING WELL IDENTIFIED ADJACENT TO OR BENEATH RESULTS FOR EACH WELL.
5. CONCENTRATIONS IN UG/L
6. J = ESTIMATED CONCENTRATION
   * = UNVALIDATED DATA
7. ND = NON–DETECT, NS = NOT SAMPLED, P = PERCHLORATE
   1.55 = CONCENTRATION IN UG/L
8. CONCENTRATIONS LISTED ARE THE MOST RECENT RESULTS AS OF 8/31/05.
9. ** = SCREEN DEPTHS ESTIMATED
10. DASHED GREY LINES INDICATES WELL HAS BEEN PROJECTED INTO THE CROSS SECTION.

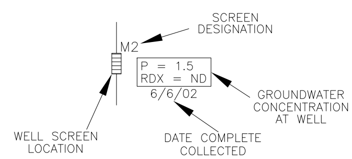
LEGEND

PERCHLORATE CONCENTRATIONS
- ND
- MDL – <1 ug/L
- 1 – <4 ug/L
- >4 ug/L

GEOLOGIC UNITS
- M–C SAND & GRAVEL
- SILTY–FSAND
- CLAY
- BEDROCK

PERCHLORATE PLUME CONCENTRATIONS
- ND – 1.0 ug/l
- 1.0 ug/l – 4 ug/l
- 4 ug/l – 18 ug/l

RDX PLUME CONCENTRATIONS
- ND – 2.0 ug/l
- 2.0 ug/l – 10 ug/l

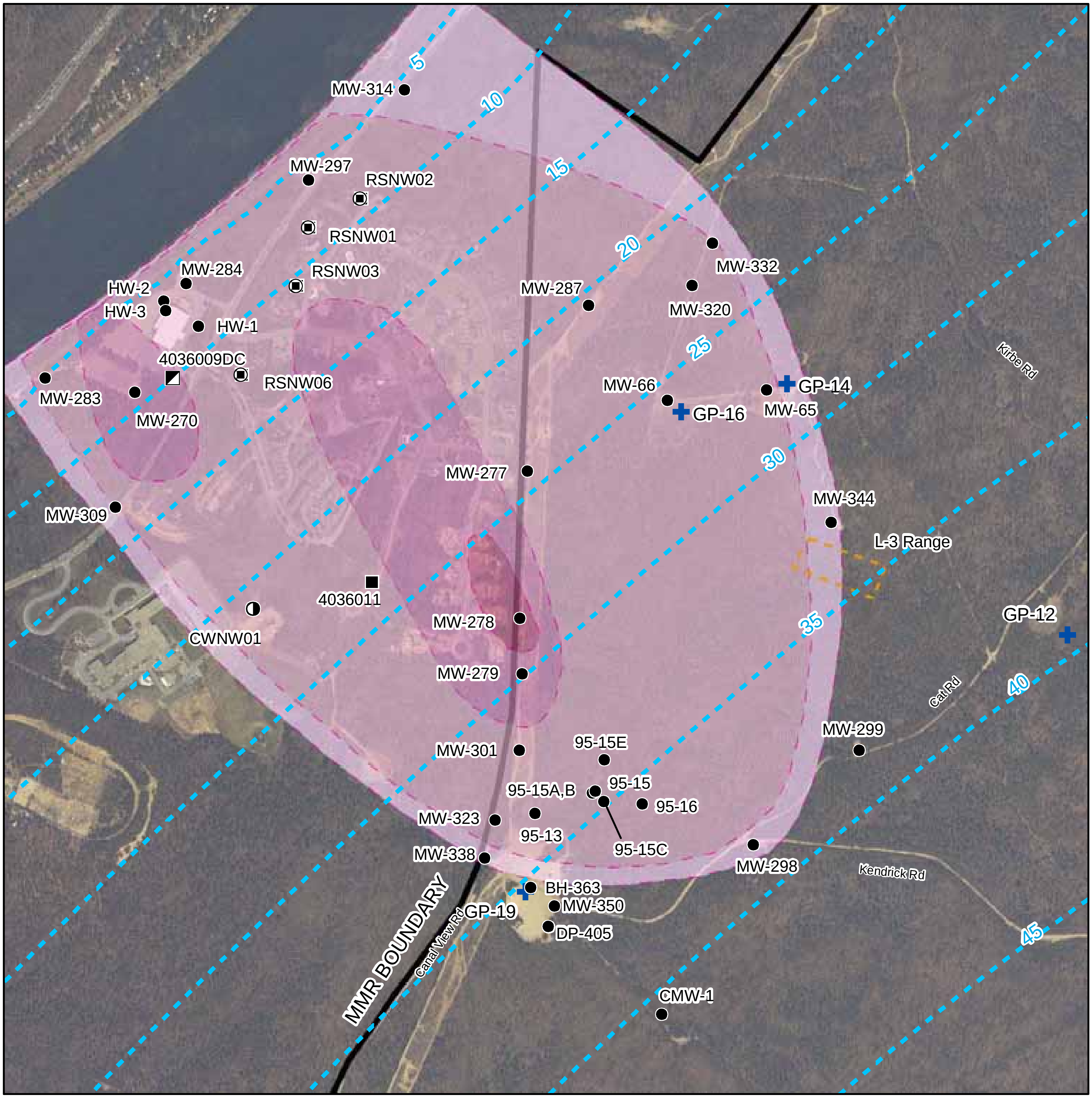


HORIZONTAL SCALE: (1"=400')
0 400' 800'
0 60' 120'
VERTICAL SCALE: (1"=60')

FIGURE 4–15

NORTHWEST CORNER OF CAMP EDWARDS CROSS SECTION I–I'

REVISIONS	AMEC Project No: 276225018		
01/04/06 08/14/09	DRAWN BY: DD	DATE: 03/05/03	DRAWING NO.
	CHECKED BY: KH		



LEGEND

- Residential Wells
- Proposed Monitoring Wells
- Existing Monitoring Wells
- Decommissioned Water Supply Well
- Community Water Supply Well
- Existing Irrigation Well
- Gun Position

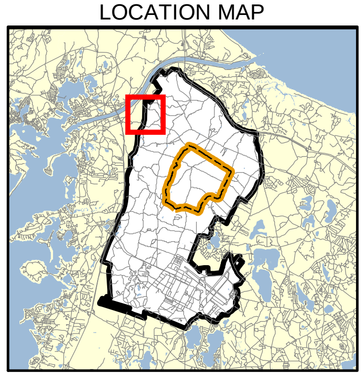
Perchlorate in Groundwater (08/31/04)

- Non-detect to less than 1 ppb
- 1 ppb to less than 4 ppb
- 4 ppb to less than 18 ppb
- 18 ppb to less than 100 ppb

GW Elevation Contours, AMEC MMR-10NW Model (In Feet Above NGVD)

L-3 Range Area

LOCATION MAP



N

0 900 Feet

NOTES & SOURCES
Base Data from US Geological Survey 7 1/2 minute
Topgraphic Maps Source: MassGIS
Aerial Photos: Color Digital Orthophotos
Date Flown 2001. Source: MassGIS

AMEC Earth & Environmental, Inc.
Westford, Massachusetts

Perchlorate Plume (8/31/04)
Northwest Corner

FIGURE
4-16

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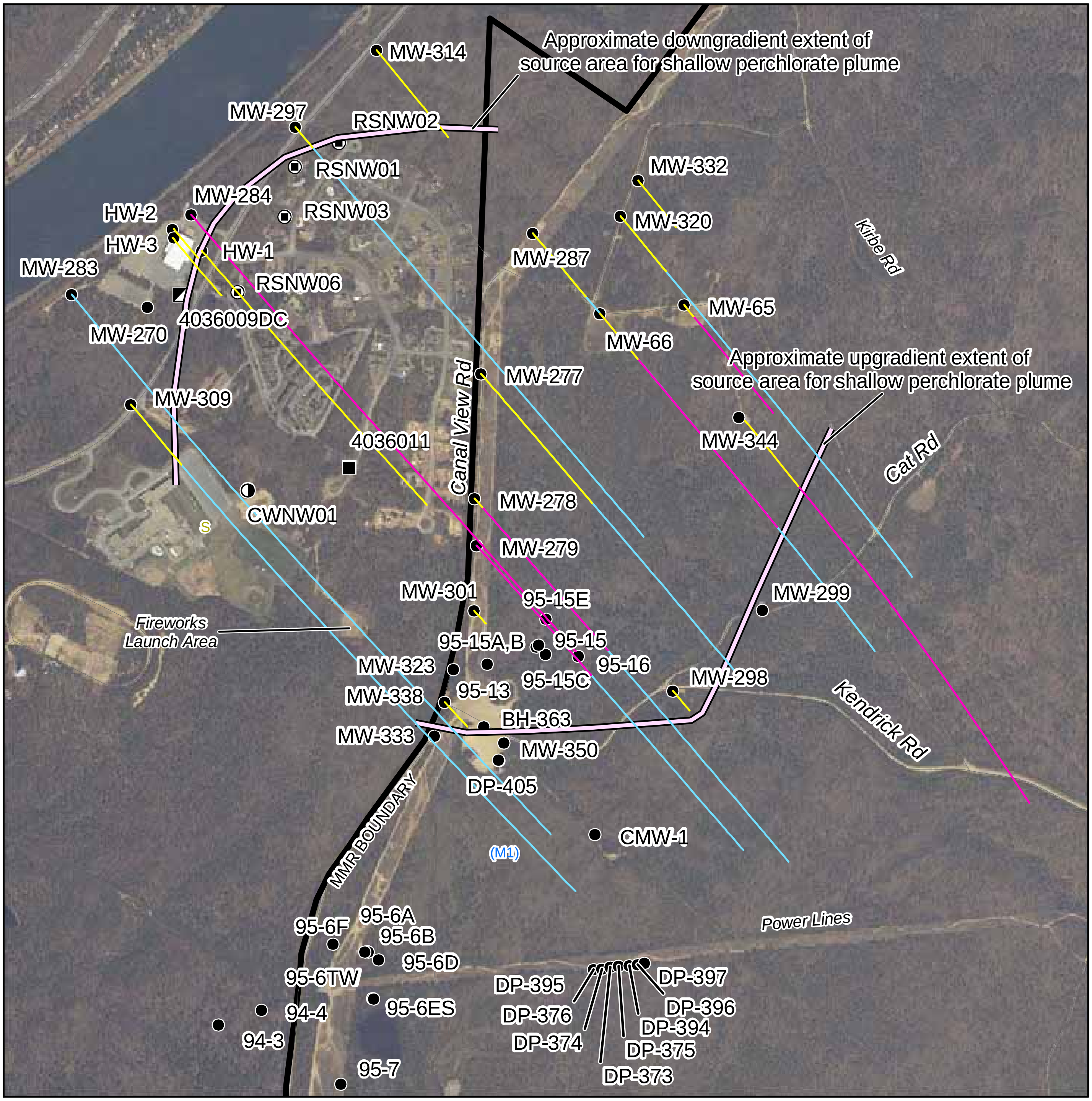
MMR-9964 Backcheck NWC RI Report\Figures\N9964_Fig4-16.pdf
G:\MMR_COE\Work2006\N9964\N9964_Fig4-16.mxd
February 14, 2006 DWN: AP CHKD: BK

Impact Area
Groundwater Study Program

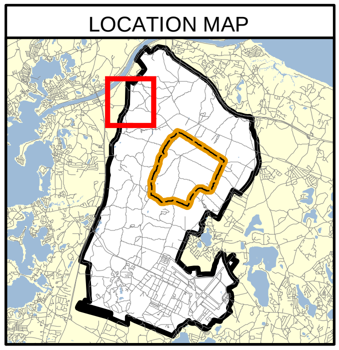


LEGEND

- Residential Wells
- Proposed Monitoring Wells
- Existing Monitoring Wells
- Decommissioned Water Supply Well
- Community Water Supply Well
- Existing Irrigation Well

Reverse Particle Tracks
(AMEC NWC10m4 Model)
Screen:
- S
- M2
- M1

LOCATION MAP



0 1,000 Feet

NOTES & SOURCES
Base Map Data from US Geological Survey 7 1/2 minute
Topgraphic Maps Source: MassGIS
Aerial Photos: Color Digital Orthophotos. Date Flown: 2001.
Source: MassGIS

Reverse Particle Tracks from Wells with Perchlorate Detects Northwest Corner

FIGURE 4-17

AMEC Earth & Environmental, Inc.
Westford, Massachusetts

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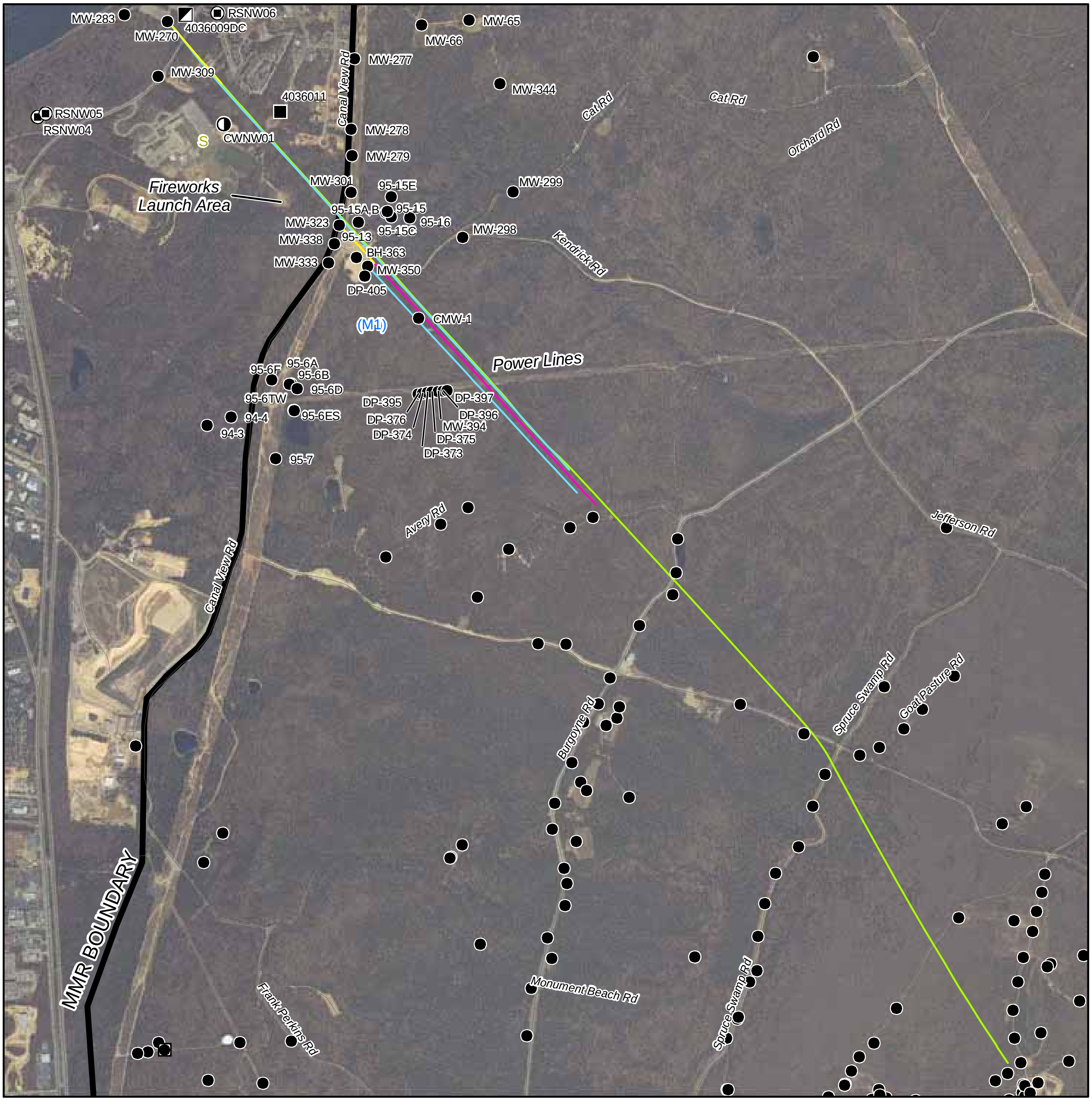
MMR-9964 Backcheck NWC RI Report\Figures\N9964_Fig4-17.pdf
G:\MMR_COE\Work2006\N9964\N9964_Fig4-17.mxd
February 14, 2006 DWN: AP CHKD: BK

Impact Area Groundwater Study Program

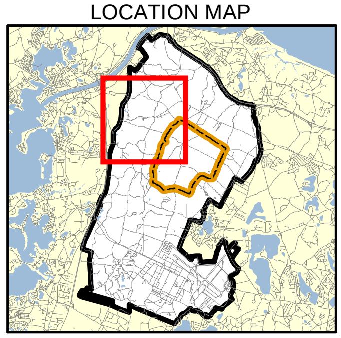


LEGEND

- Residential Wells
- Proposed Monitoring Wells
- Existing Monitoring Wells
- Decommissioned Water Supply Well
- Community Water Supply Well
- Existing Irrigation Well

Reverse Particle Tracks
(AMEC NWC10m4 Model)
Screen:
- S
- M2
- M1
- D

LOCATION MAP



N

0 2,000 Feet

NOTES & SOURCES
Base Map Data from US Geological Survey 7 1/2 minute Topographic Maps Source: MassGIS
Aerial Photos: Color Digital Orthophotos. Date Flown: 2001. Source: MassGIS

Reverse Particle Tracks from Wells with Perchlorate Detects Northwest Corner

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Westford, Massachusetts

FIGURE
4-18

J:\Gun&Mortar\Northwest Corner\Northwest Corner RI Report\
MMR-9964 Backcheck NWC RI Report\Figures\N9964_Fig4-18.pdf
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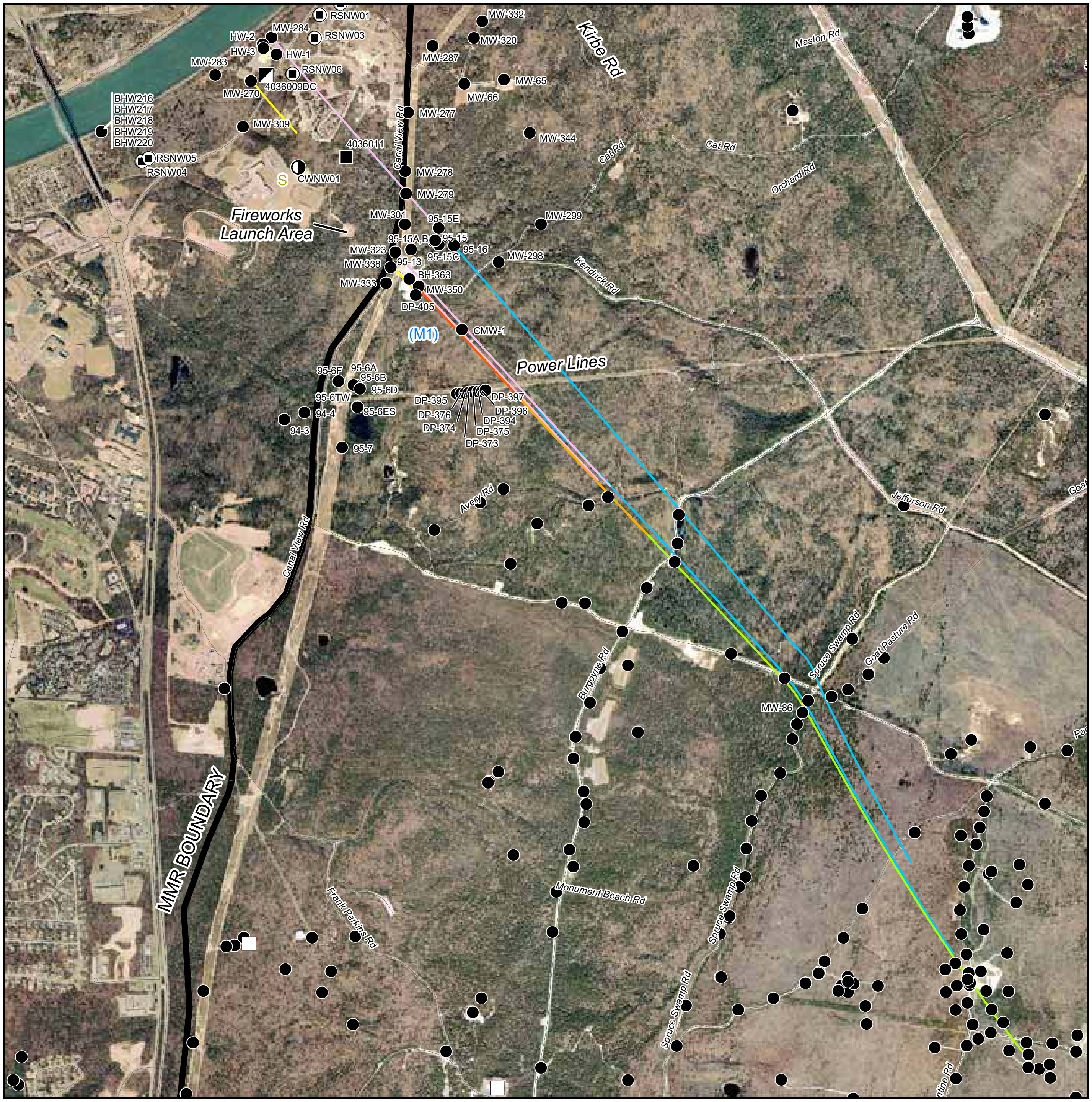
February 14, 2006 DWN: AP CHKD: BK

Impact Area Groundwater Study Program



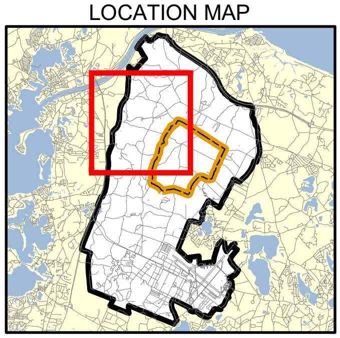
LEGEND

- Residential Wells
- Proposed Monitoring Wells
- Existing Monitoring Wells
- Decommissioned Water Supply Well
- Community Water Supply Well
- Existing Irrigation Well

Reverse Particle Tracks
(AMEC NWC10m4 Model)

- S
- M2
- M1
- 363 C
- 363 F
- 363 N

LOCATION MAP



0 2,000 Feet

NOTES & SOURCES
Base Map Data from US Geological Survey 7 1/2 minute Topgraphic Maps Source: MassGIS
Aerial Photos: Color Digital Orthophotos. Date Flown: 2001.
Source: MassGIS

Reverse Particle Tracks from Wells with RDX Detects Northwest Corner

AMEC Earth & Environmental, Inc.
Westford, Massachusetts

FIGURE
4-19

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MMR-9964 Backcheck NWC RI Report\Figures\N9964_Fig4-19.pdf
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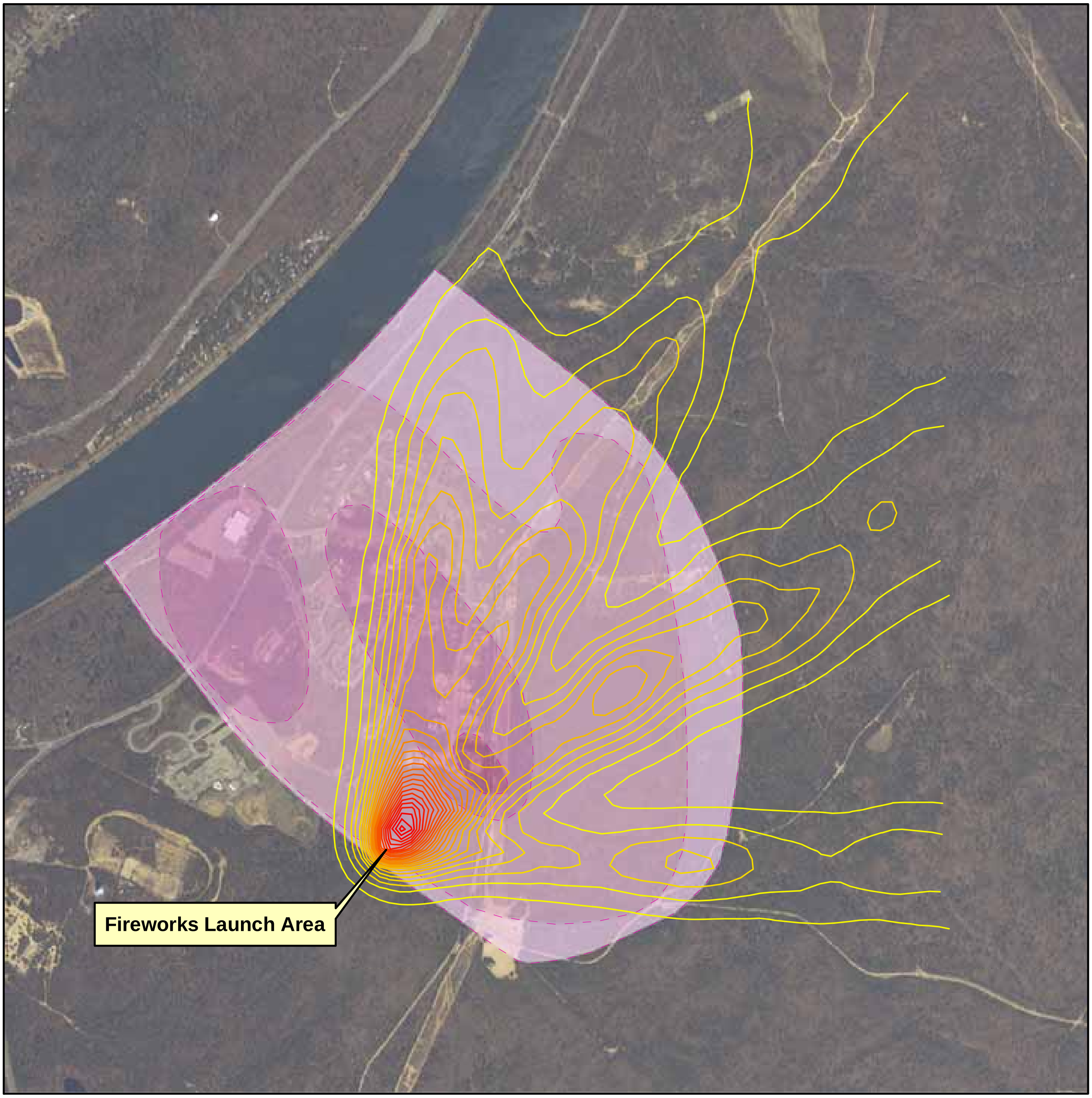
February 14, 2006 DWN: AP CHKD: BK

Impact Area
Groundwater Study Program



LEGEND

Fireworks Debris Relative Deposition Rate Contours (Relative Deposition Rates in Increments of 2000) Units - (ug/m^2 -sec per g/s)

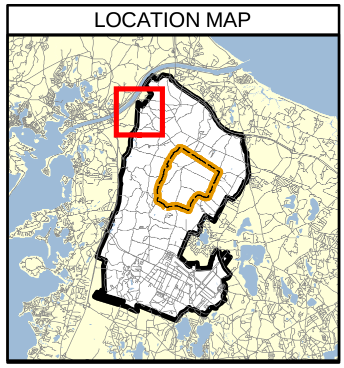
2000 52000

Deposition Contour Lines

Perchlorate in Groundwater (10/01/05)

- Non-detect to less than 1 ppb
- 1 ppb to less than 4 ppb
- 4 ppb to less than 18 ppb
- 18 ppb to less than 100 ppb

LOCATION MAP



0 1,000 Feet

N

NOTES & SOURCES
Base Data from US Geological Survey 7 1/2 minute Topgraphic Maps Source: MassGIS
Aerial Photos: Color Digital Orthophotos Date Flown 2001. Source: MassGIS

AMEC Earth & Environmental, Inc.
Westford, Massachusetts

Cumulative Modeled Relative Deposition Rates of Fireworks Debris (1997-2003) and Groundwater Plume

FIGURE 4-20

J:\Gun&Mortar\Northwest Corner\Northwest Corner RI Report\
MMR-9964 Backcheck NWC RI Report\Figures\N9964_Fig4-20.pdf
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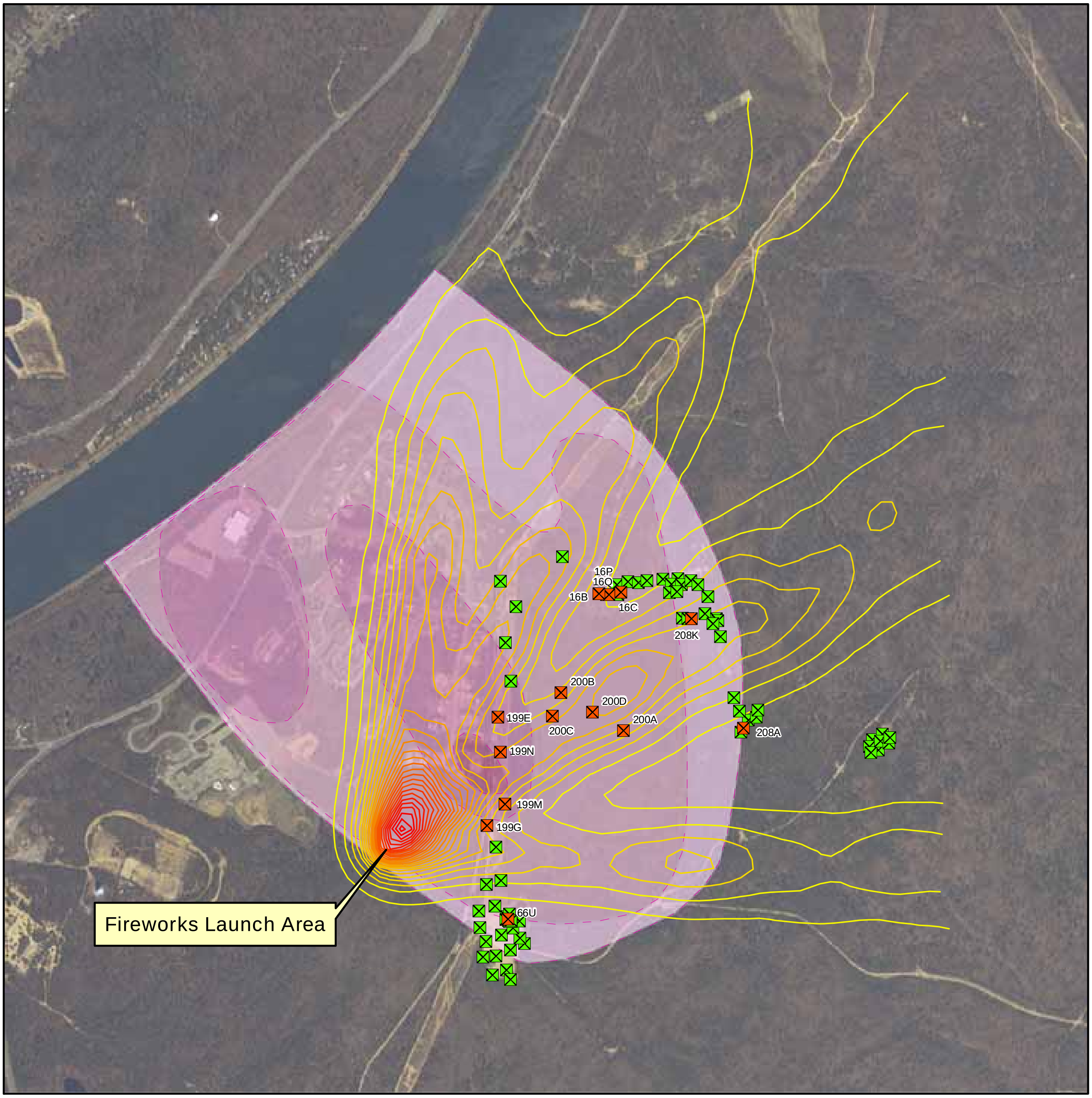
February 14, 2006 DWN: AP CHKD: BK

Impact Area Groundwater Study Program



LEGEND

Fireworks Debris Relative Deposition Rate Contours
(Relative Deposition Rates in Increments of 2000)
Units - (ug/m^2 -sec per g/s)

2000 52000

Deposition Contour Lines

Soil Grids:

Perchlorate Detect

Perchlorate Non-Detect

Perchlorate in Groundwater (10/01/05)

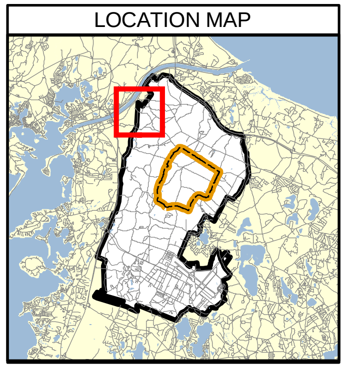
Non-detect to less than 1 ppb

1 ppb to less than 4 ppb

4 ppb to less than 18 ppb

18 ppb to less than 100 ppb

LOCATION MAP



0 1,000
Feet

N

NOTES & SOURCES
Base Data from US Geological
Survey 7 1/2 minute
Topgraphic Maps Source: MassGIS
Aerial Photos: Color Digital Orthophotos
Date Flown 2001. Source: MassGIS

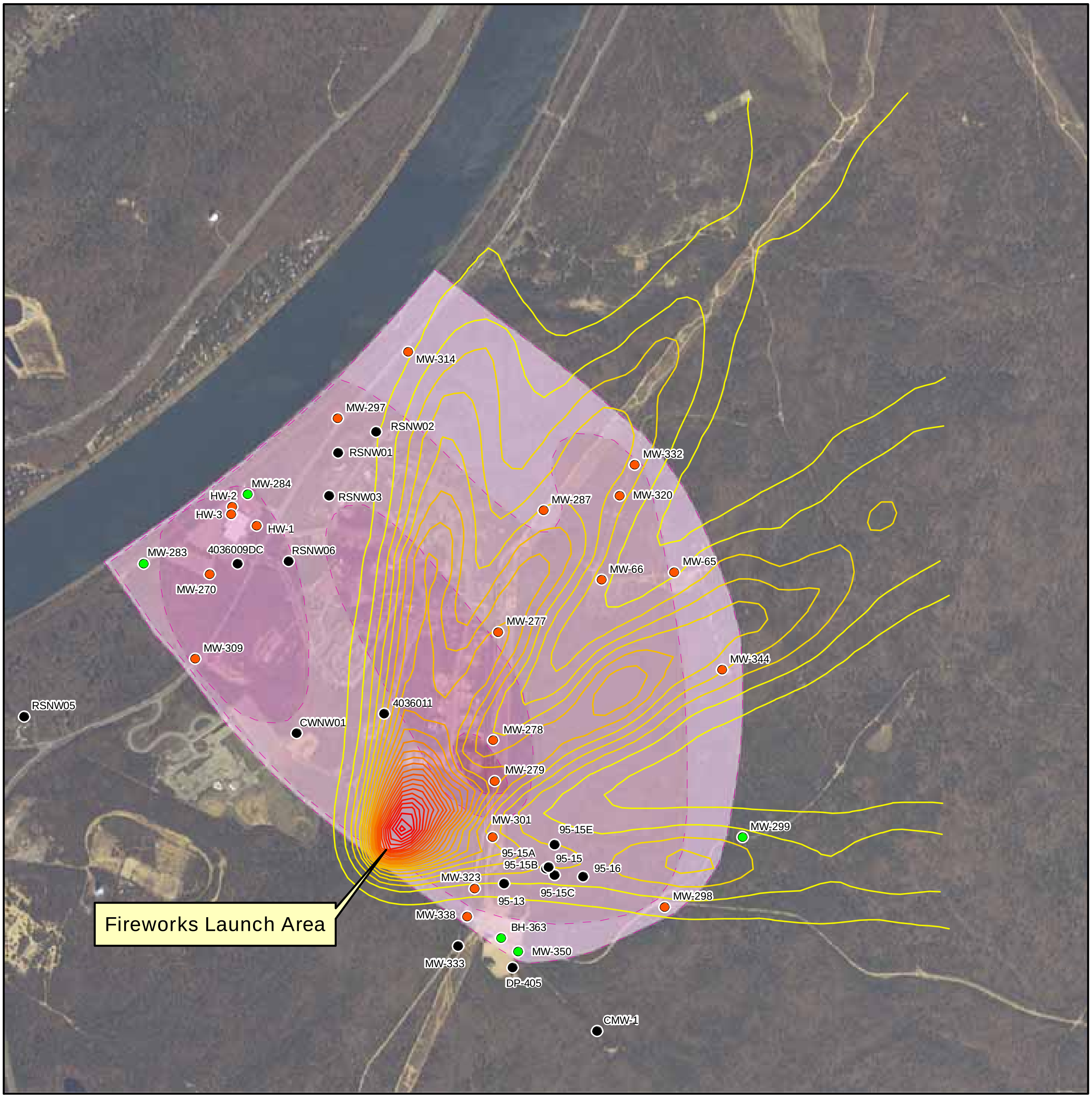
AMEC Earth & Environmental, Inc.
Westford, Massachusetts

Cumulative Modeled Relative Deposition Rates of Fireworks Debris (1997-2003) and Soil Sampling Results

FIGURE
5-1

J:\Gun&Mortar\Northwest Corner\Northwest Corner RI Report\
MMR-9964 Backcheck NWC RI Report\Figures\N9964_Fig5-1.pdf
G:\MMR_COE\Work2006\N9964\N9964_Fig5-1.mxd
February 14, 2006 DWN: AP CHKD: BK

Impact Area
Groundwater Study Program



LEGEND

Fireworks Debris Relative Deposition Rate Contours
(Relative Deposition Rates in Increments of 2000)
Units - (ug/m^2 -sec per g/s)

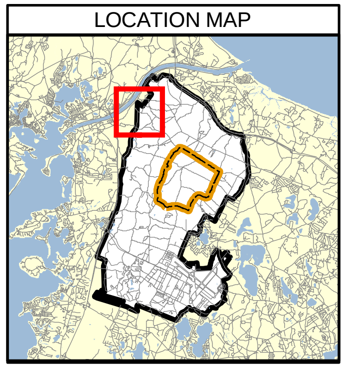
2000 52000

Deposition Contour Lines

Monitoring Wells
- Perchlorate at Water Table
- Perchlorate Non-Detect
- No Data

Perchlorate in Groundwater (10/01/05)
- Non-detect to less than 1 ppb
- 1 ppb to less than 4 ppb
- 4 ppb to less than 18 ppb
- 18 ppb to less than 100 ppb

LOCATION MAP



0 1,000 Feet

N

NOTES & SOURCES
Base Data from US Geological
Survey 7 1/2 minute
Topgraphic Maps Source: MassGIS
Aerial Photos: Color Digital Orthophotos
Date Flown 2001. Source: MassGIS

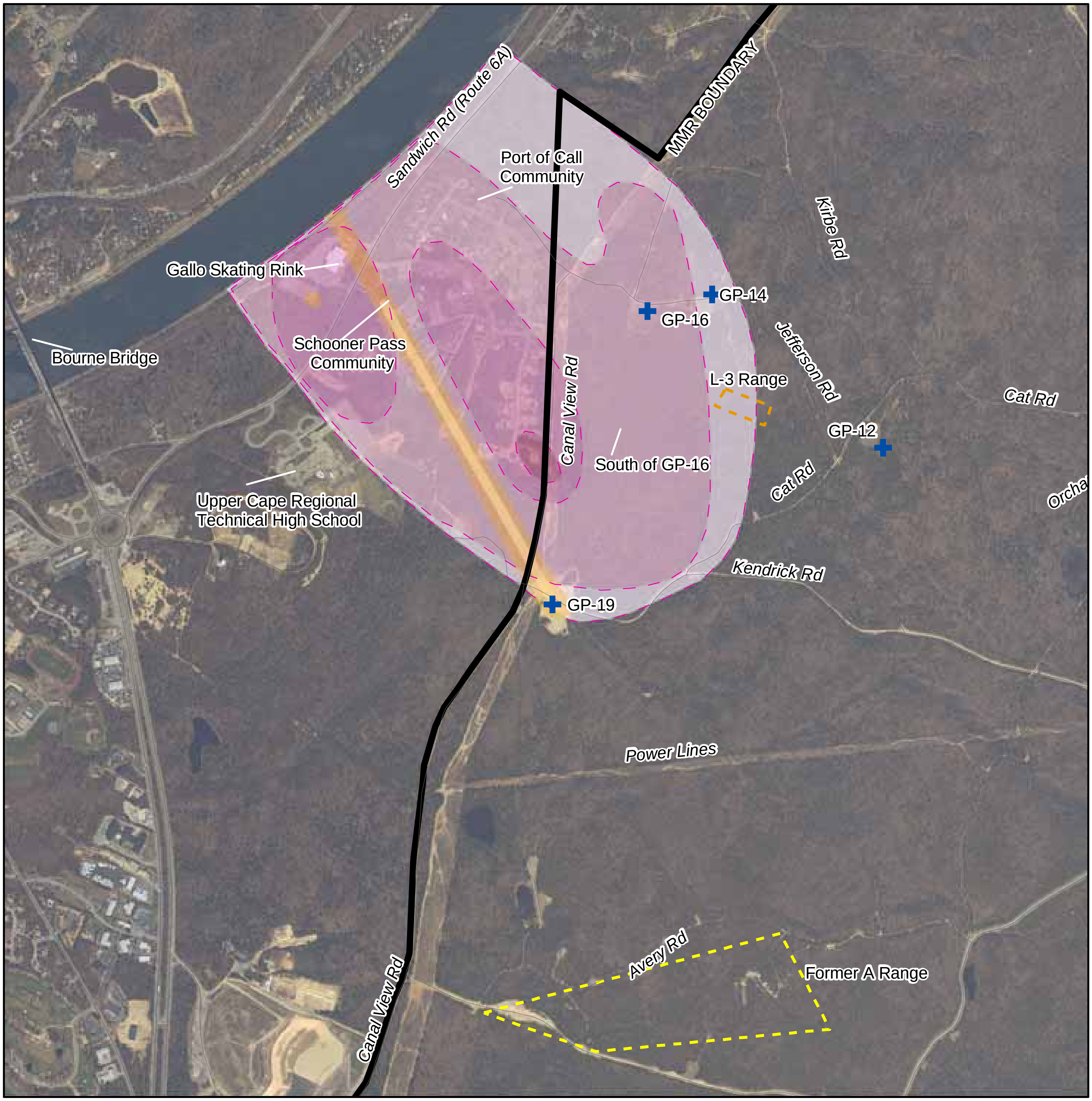
AMEC Earth & Environmental, Inc.
Westford, Massachusetts

Cumulative Modeled Relative Deposition Rates of Fireworks Debris (1997-2003) and Water Table Groundwater Data

FIGURE
5-2

J:\Gun&Mortar\Northwest Corner\Northwest Corner RI Report\
MMR-9964 Backcheck NWC RI Report\Figures\N9964_Fig5-2.pdf
G:\MMR_COE\Work2006\N9964\N9964_Fig5-2.mxd
February 14, 2006 DWN: AP CHKD: BK

Impact Area
Groundwater Study Program



LEGEND

- Gun Position
- Roads
- MMR Boundary
- Former A Range Area
- L-3 Range Area

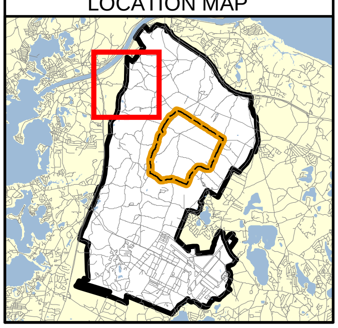
Perchlorate in Groundwater (10/01/05)

- Non-detect to less than 1 ppb
- 1 ppb to less than 4 ppb
- 4 ppb to less than 18 ppb
- 18 ppb to less than 100 ppb

RDX in Groundwater

- Non-detect to less than 2 ppb
- Greater than or equal to 2 ppb

LOCATION MAP



0 1,200 Feet

NOTES & SOURCES
Base Map Data from US Geological Survey 7 1/2 minute
Topgraphic Maps Source: MassGIS
Aerial Photos: Color Digital Orthophotos. Date Flown: 2001.
Source: MassGIS

N

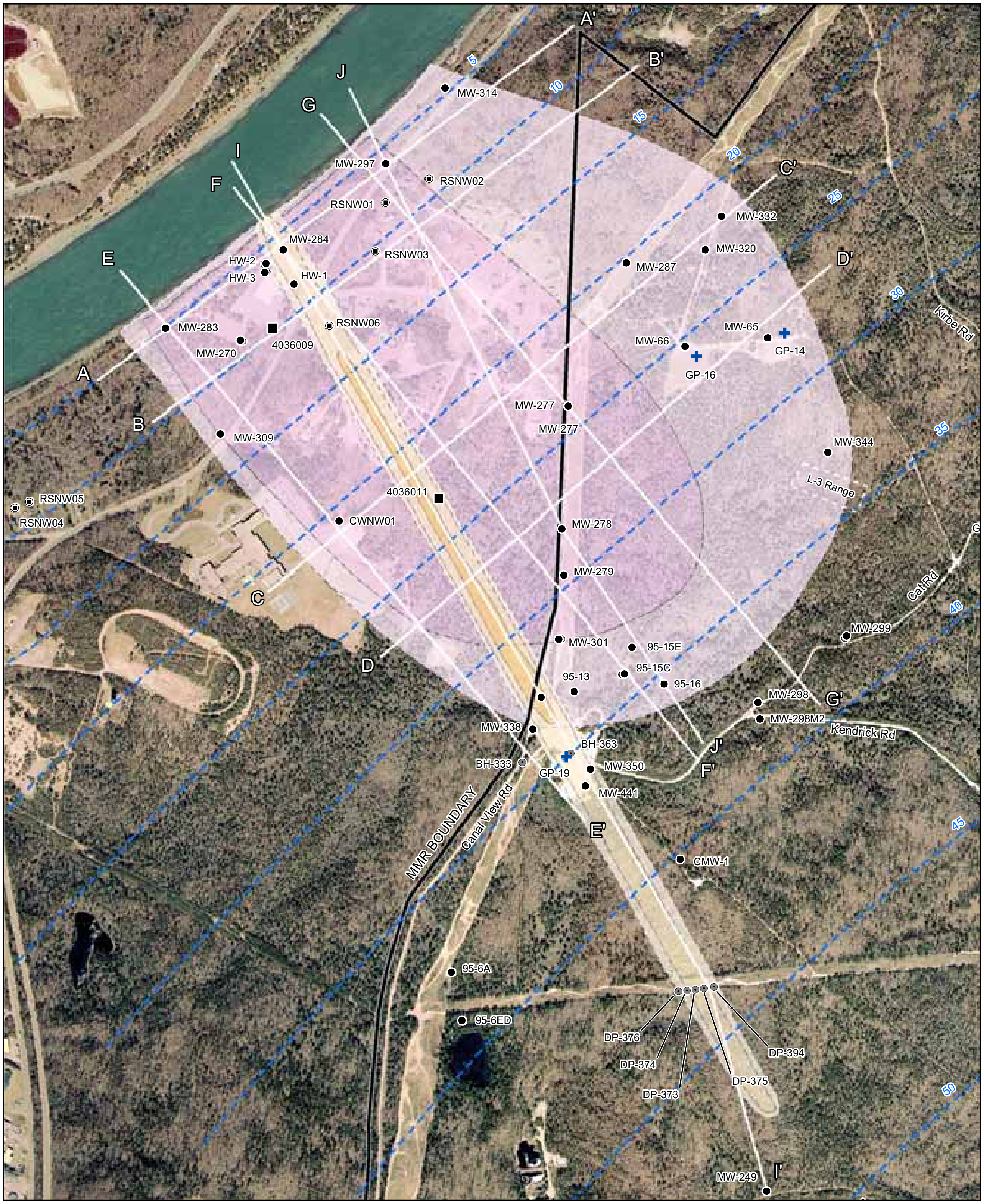
Tetra Tech EC, Inc.
Boston, Massachusetts

Northwest Corner Site Map with Perchlorate and RDX Plumes

FIGURE 7-1

P:\Terc-JV\TO4\Restricted Files\
GIS\Spatial\Source_Data\from_AMEC\
Discs_073109\MMR Northwest Corner\
MMR-9964 D NWC RI Report\Figures\GIS Data and MXDs\
N9964_Fig2-1.mxd

Impact Area
Groundwater Study Program



LEGEND

- Existing Monitoring Well
- Community Water Supply Well
- Residential Well
- Gun Position

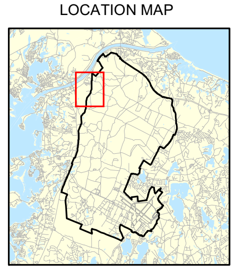
Perchlorate in Groundwater (November 2006)

- ND to 2 µg/L
- 2 to 24 µg/L

RDX in Groundwater (November 2006)

- ND to 0.6 µg/L
- 0.6 to 2 µg/L
- 2 to 20 µg/L
- GW Elevation Contours Northwest Corner Subregional Model (In Feet Above NGVD)

LOCATION MAP



N

0 700 Feet

NOTES & SOURCES
Base Data from US Geological Survey
7 1/2 minute Topgraphic Maps
Source: MassGIS
Aerial Photos: Color Digital Orthophotos
Date Flown 2001. Source: MassGIS

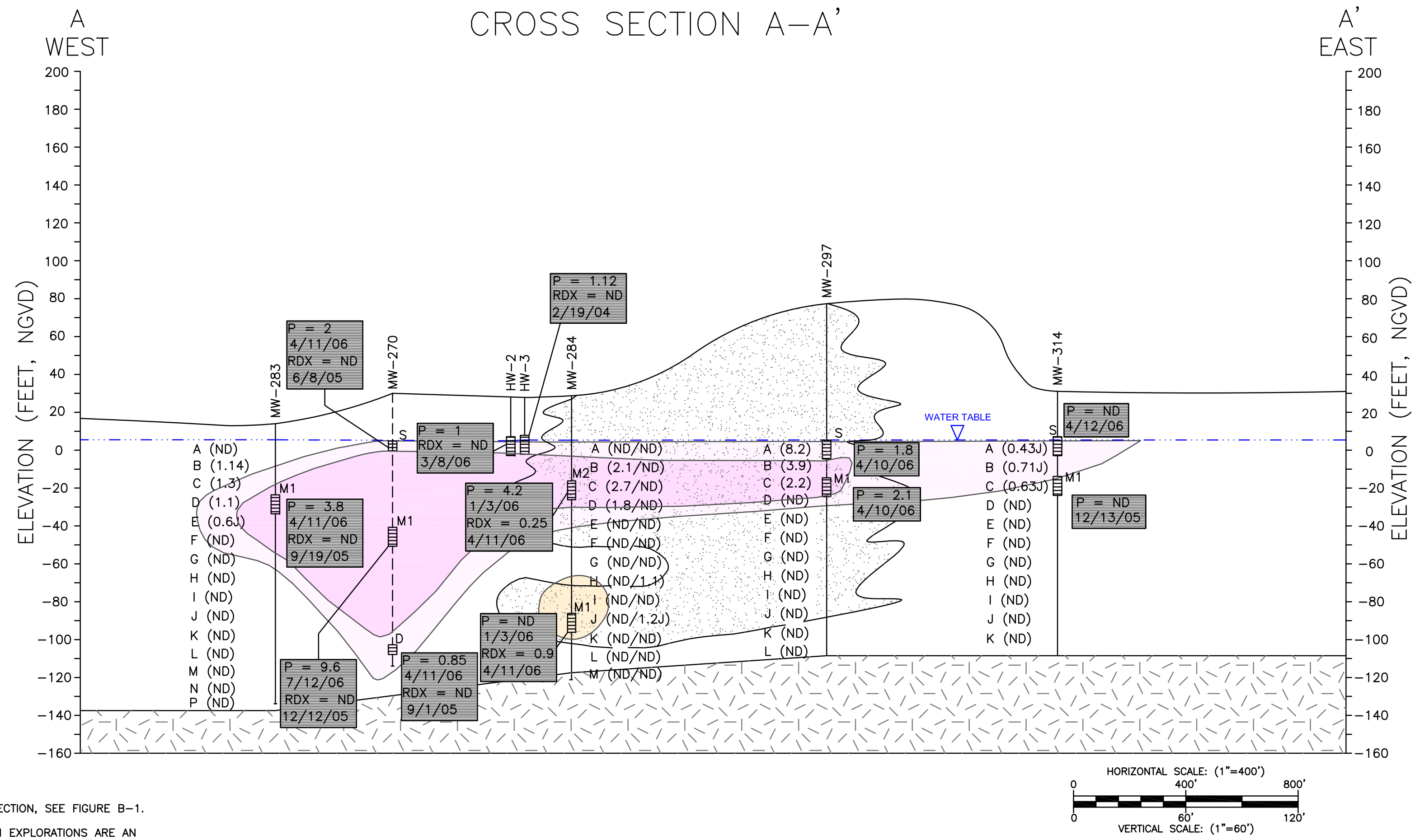
US Army Corps of Engineers
New England District

Impact Area
Groundwater Study Program

Cross Section Location Index
Northwest Corner Feasibility Study

FIGURE
10-1

M:M:\MMR\2007\NWC\FS_0907\Figures\Fig2-7.pdf
M:M:\MMR\2007\NWC\FS_0907\MXDs\Fig2-7.mxd
November 26, 2007 DWN: MRW CHKD: MRR SEG



NOTES:
1. FOR ORIENTATION OF CROSS SECTION, SEE FIGURE B−1.
2. GEOLOGIC CONDITIONS BETWEEN EXPLORATIONS ARE AN INTERPRETATION OF AVAILABLE DATA. ACTUAL CONDITIONS MAY VARY.
3. NGVD = NATIONAL GEODETIC VERTICAL DATUM, 1929.
4. SAMPLE COLLECTION DATES FOR EACH MONITORING WELL IDENTIFIED ADJACENT TO OR BENEATH RESULTS FOR EACH WELL.
5. CONCENTRATIONS IN ug/L
6. J = ESTIMATED CONCENTRATION
7. ND = NON−DETECT, NS = NOT SAMPLED, P = PERCHLORATE, R = RDX, 1.55 = CONCENTRATION IN ug/L
8. CONCENTRATIONS LISTED ARE THE MOST RECENT RESULTS AS OF 11/13/06.
9. * = SCREEN DEPTHS ESTIMATED
10. DASHED GRAY LINES INDICATES WELL HAS BEEN PROJECTED INTO THE CROSS SECTION
11. MODIFIED FROM AMEC, 2006 FOR GROUNDWATER MODELING PURPOSES.

LEGEND

GEOLOGIC UNITS
- M−C SAND & GRAVEL
- SILTY−FINE SAND
- CLAY
- BEDROCK

PERCHLORATE PLUME CONCENTRATIONS
- >ND − <2.0 ug/L
- 2.0 ug/L − <24 ug/L
- ≥24 ug/L

RDX PLUME CONCENTRATIONS
- >ND − <2.0 ug/L
- 2 ug/L− <20 ug/L
- 20 ug/L − <200 ug/L

PROFILE DATA KEY

SCREENING LOCATION
PERCHLORATE/RDX (IF APPLICABLE)
A (10/5) CONCENTRATIONS IN ug/L

WELL DATA KEY

M2
SCREEN DESIGNATION
P = 1.5
RDX = ND
6/6/02
GROUNDWATER CONCENTRATION AT WELL
WELL SCREEN LOCATION
DATE COLLECTED

Impact Area Groundwater Study Program

NORTHWEST CORNER
DRAFT FEASIBILITY REPORT

FIGURE 10-2
NORTHWEST CORNER OF MASSACHUSETTS MILITARY RESERVATION
CROSS SECTION A-A'

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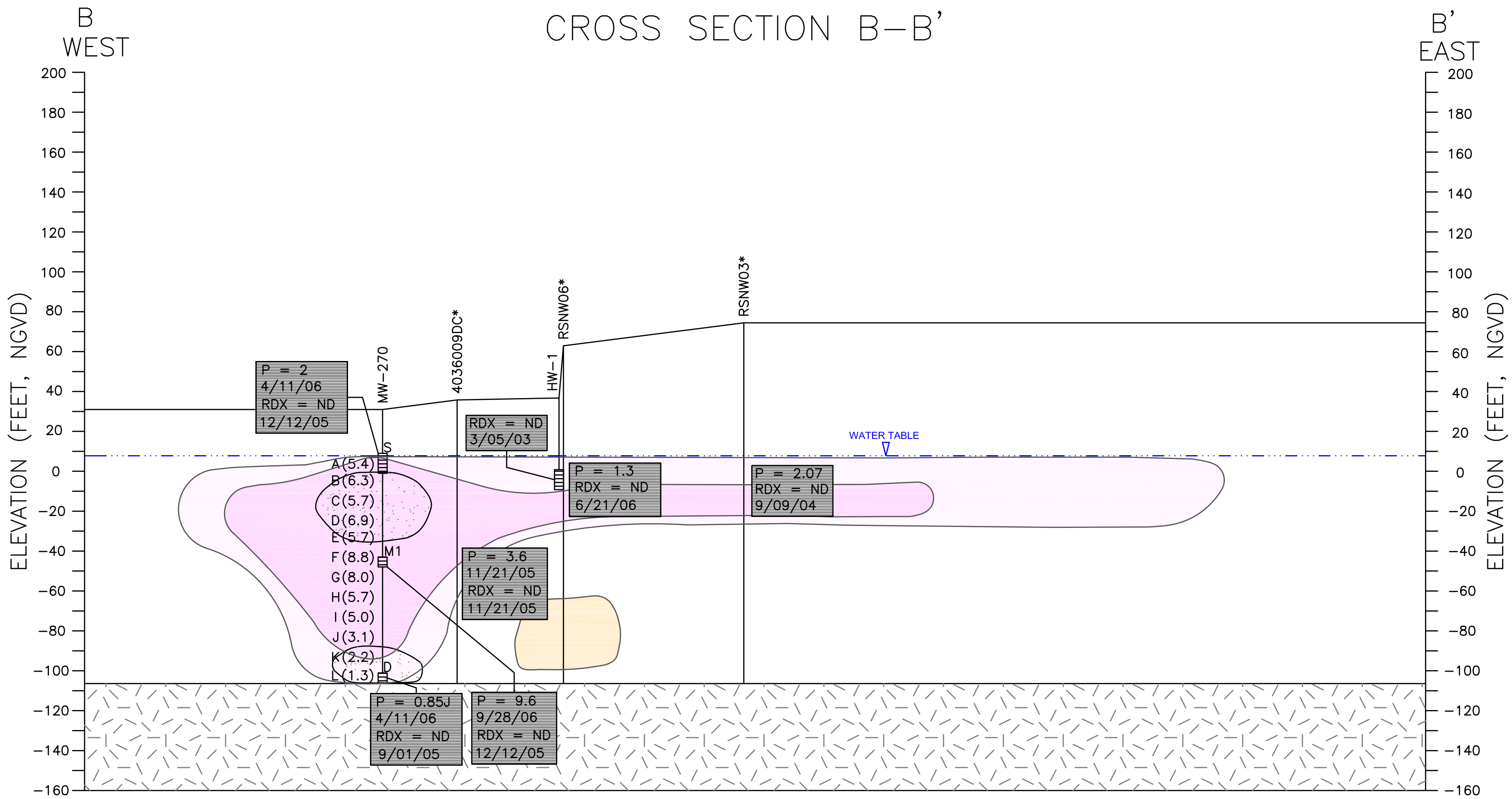
	CHECKED BY: KH/BA		NWC XSECTION−A−A'−REV 1.DWG



HORIZONTAL SCALE: (1"=400')
0 400' 800'
0 60' 120'
VERTICAL SCALE: (1"=60')

NOTES:
1. FOR ORIENTATION OF CROSS SECTION, SEE FIGURE B−1.
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3. NGVD = NATIONAL GEODETIC VERTICAL DATUM, 1929.
4. SAMPLE COLLECTION DATES FOR EACH MONITORING WELL IDENTIFIED ADJACENT TO OR BENEATH RESULTS FOR EACH WELL.
5. CONCENTRATIONS IN ug/L
6. J = ESTIMATED CONCENTRATION
7. ND = NON−DETECT, NS = NOT SAMPLED, P = PERCHLORATE, R = RDX, 1.55 = CONCENTRATION IN ug/L
8. CONCENTRATIONS LISTED ARE THE MOST RECENT RESULTS AS OF 11/13/06.
9. * = SCREEN DEPTHS ESTIMATED
10. DASHED GRAY LINES INDICATES WELL HAS BEEN PROJECTED INTO THE CROSS SECTION
11. MODIFIED FROM AMEC, 2006 FOR GROUNDWATER MODELING PURPOSES.

LEGEND

GEOLOGIC UNITS
- M−C SAND & GRAVEL
- SILTY−FINE SAND
- CLAY
- BEDROCK

PERCHLORATE PLUME CONCENTRATIONS
- >ND − <2.0 ug/L
- 2.0 ug/L − <24 ug/L
- ≥24 ug/L

RDX PLUME CONCENTRATIONS
- >ND − <2.0 ug/L
- 2 ug/L− <20 ug/L
- 20 ug/L − <200 ug/L

PROFILE DATA KEY

SCREENING LOCATION — PERCHLORATE/RDX (IF APPLICABLE) — A (10/5) CONCENTRATIONS IN ug/L

WELL DATA KEY

M2 — SCREEN DESIGNATION
P = 1.5
RDX = ND
6/6/02
GROUNDWATER CONCENTRATION AT WELL
WELL SCREEN LOCATION
DATE COLLECTED

Impact Area Groundwater Study Program

NORTHWEST CORNER
DRAFT FEASIBILITY REPORT

FIGURE 10-3

NORTHWEST CORNER OF MASSACHUSETTS MILITARY RESERVATION

CROSS SECTION B-B'

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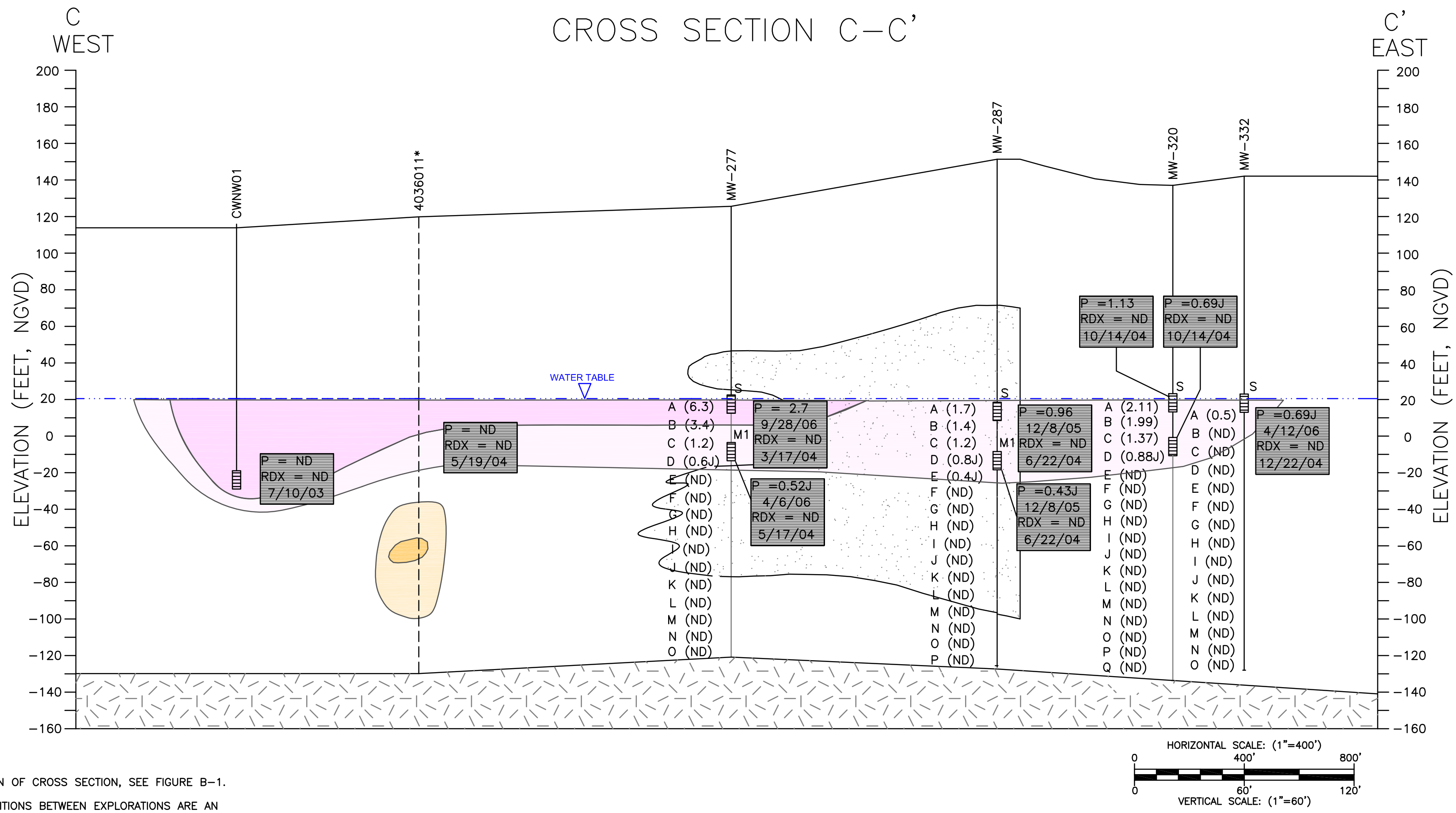
	DRAWN BY: DD/FGM		
	CHECKED BY: KH/BA	NWC XSECTION−B−B'−REV 1.DWG	

CROSS SECTION C–C'



NOTES:

1. FOR ORIENTATION OF CROSS SECTION, SEE FIGURE B–1.
2. GEOLOGIC CONDITIONS BETWEEN EXPLORATIONS ARE AN INTERPRETATION OF AVAILABLE DATA. ACTUAL CONDITIONS MAY VARY.
3. NGVD = NATIONAL GEODETIC VERTICAL DATUM, 1929.
4. SAMPLE COLLECTION DATES FOR EACH MONITORING WELL IDENTIFIED ADJACENT TO OR BENEATH RESULTS FOR EACH WELL.
5. CONCENTRATIONS IN ug/L
6. J = ESTIMATED CONCENTRATION
7. ND = NON–DETECT, NS = NOT SAMPLED, P = PERCHLORATE, R = RDX, 1.55 = CONCENTRATION IN ug/L
8. CONCENTRATIONS LISTED ARE THE MOST RECENT RESULTS AS OF 11/13/06.
9. * = SCREEN DEPTHS ESTIMATED
10. DASHED GRAY LINES INDICATES WELL HAS BEEN PROJECTED INTO THE CROSS SECTION
11. MODIFIED FROM AMEC, 2006 FOR GROUNDWATER MODELING PURPOSES.

LEGEND

GEOLOGIC UNITS

- M–C SAND & GRAVEL
- SILTY–FINE SAND
- CLAY
- BEDROCK

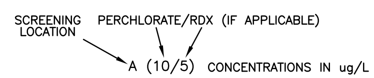
PERCHLORATE PLUME CONCENTRATIONS

- >ND – <2.0 ug/L
- 2.0 ug/L – <24 ug/L
- ≥24 ug/L

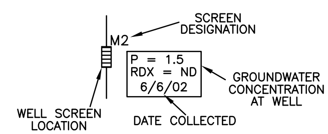
RDX PLUME CONCENTRATIONS

- >ND – <2.0 ug/L
- 2 ug/L– <20 ug/L
- 20 ug/L – <200 ug/L

PROFILE DATA KEY



WELL DATA KEY



Impact Area Groundwater Study Program

NORTHWEST CORNER
DRAFT FEASIBILITY REPORT

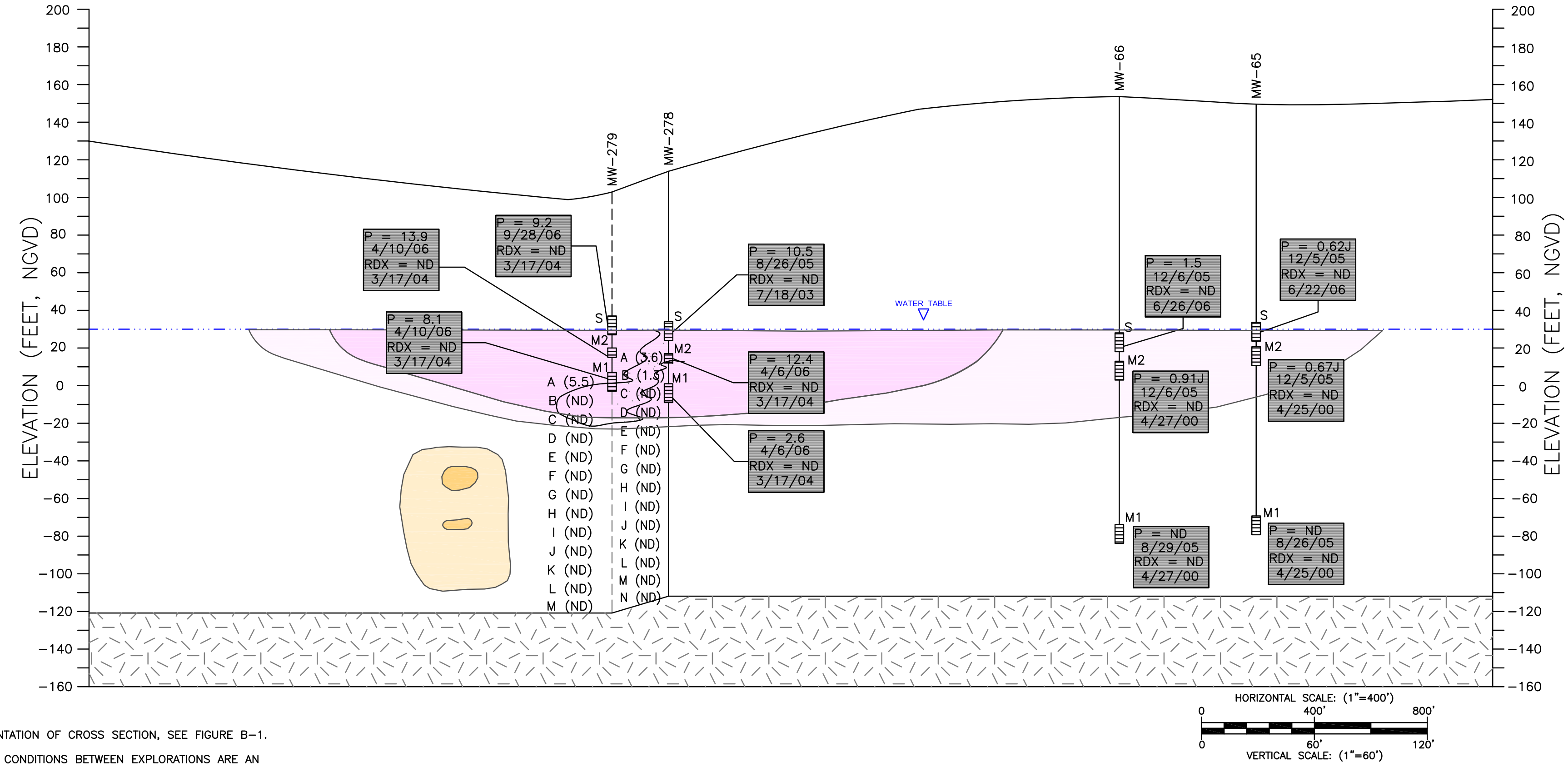
FIGURE 10-4

NORTHWEST CORNER OF MASSACHUSETTS MILITARY RESERVATION

CROSS SECTION C-C'

REVISIONS	DESIGNED BY: MK	DATE: 12/05/08	DRAWING NO.
	DRAWN BY: DD/FGM		
	CHECKED BY: KH/BA		NWC XSECTION–C–C'–REV 1.DWG

CROSS SECTION D–D'



NOTES:
1. FOR ORIENTATION OF CROSS SECTION, SEE FIGURE B–1.
2. GEOLOGIC CONDITIONS BETWEEN EXPLORATIONS ARE AN INTERPRETATION OF AVAILABLE DATA. ACTUAL CONDITIONS MAY VARY.
3. NGVD = NATIONAL GEODETIC VERTICAL DATUM, 1929.
4. SAMPLE COLLECTION DATES FOR EACH MONITORING WELL IDENTIFIED ADJACENT TO OR BENEATH RESULTS FOR EACH WELL.
5. CONCENTRATIONS IN ug/L
6. J = ESTIMATED CONCENTRATION
7. ND = NON–DETECT, NS = NOT SAMPLED, P = PERCHLORATE, R = RDX, 1.55 = CONCENTRATION IN ug/L
8. CONCENTRATIONS LISTED ARE THE MOST RECENT RESULTS AS OF 11/13/06.
9. * = SCREEN DEPTHS ESTIMATED
10. DASHED GRAY LINES INDICATES WELL HAS BEEN PROJECTED INTO THE CROSS SECTION
11. MODIFIED FROM AMEC, 2006 FOR GROUNDWATER MODELING PURPOSES.

LEGEND

GEOLOGIC UNITS
- M–C SAND & GRAVEL
- SILTY–FINE SAND
- CLAY
- BEDROCK

PERCHLORATE PLUME CONCENTRATIONS
- >ND – <2.0 ug/L
- 2.0 ug/L – <24 ug/L
- ≥24 ug/L

RDX PLUME CONCENTRATIONS
- >ND – <2.0 ug/L
- 2 ug/L– <20 ug/L
- 20 ug/L – <200 ug/L

PROFILE DATA KEY

SCREENING LOCATION
PERCHLORATE/RDX (IF APPLICABLE)
A (10/5) CONCENTRATIONS IN ug/L

WELL DATA KEY

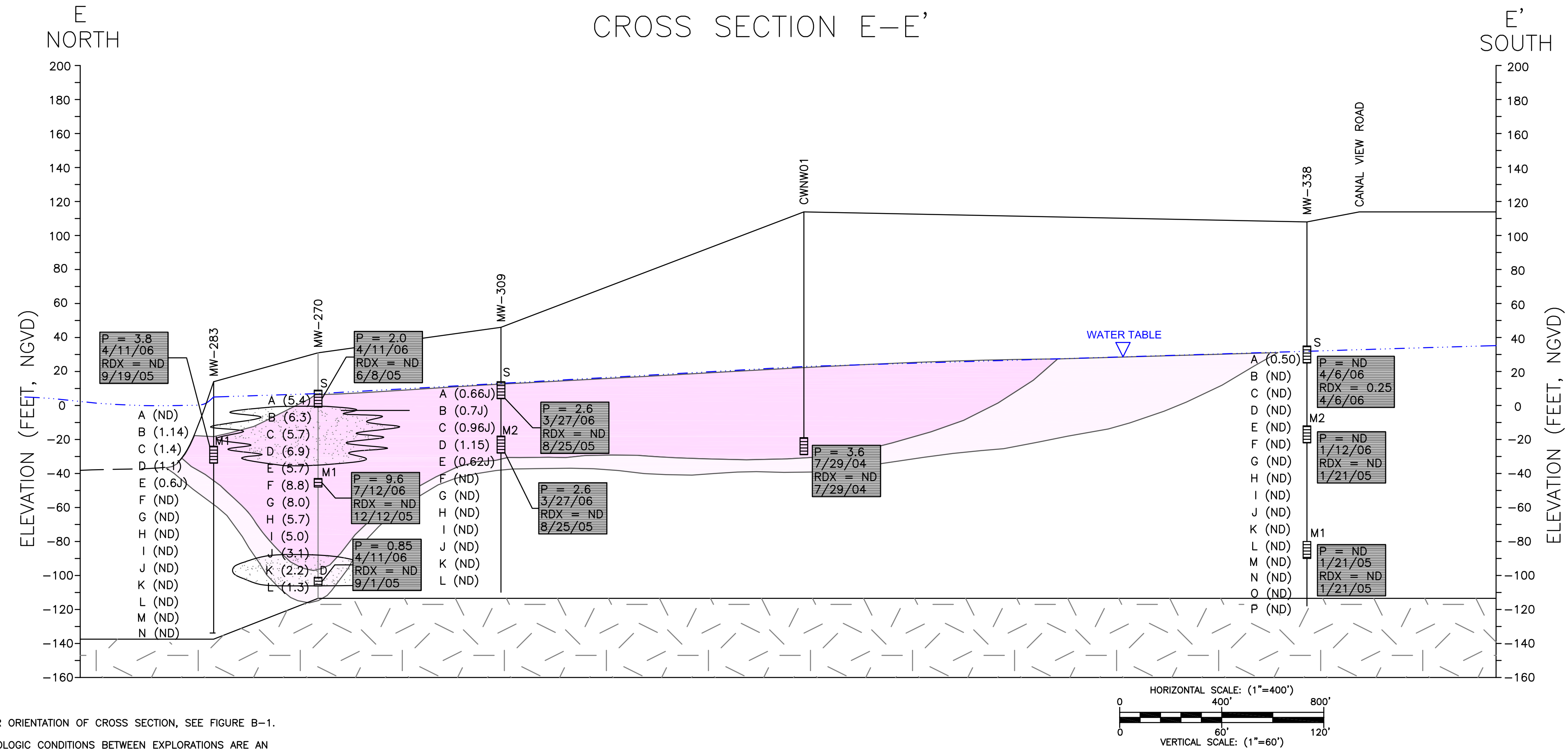
M2 — SCREEN DESIGNATION
P = 1.5
RDX = ND
6/6/02
GROUNDWATER CONCENTRATION AT WELL
WELL SCREEN LOCATION
DATE COLLECTED

Impact Area Groundwater Study Program

NORTHWEST CORNER
DRAFT FEASIBILITY REPORT

FIGURE 10-5
NORTHWEST CORNER OF MASSACHUSETTS MILITARY RESERVATION
CROSS SECTION D-D'

REVISIONS	DESIGNED BY: MK	DATE: 12/05/08	DRAWING NO.
	DRAWN BY: DD/FGM		
	CHECKED BY: KH/BA	NWC XSECTION–D–D'–REV 1.DWG	



NOTES:

1. FOR ORIENTATION OF CROSS SECTION, SEE FIGURE B–1.
2. GEOLOGIC CONDITIONS BETWEEN EXPLORATIONS ARE AN INTERPRETATION OF AVAILABLE DATA. ACTUAL CONDITIONS MAY VARY.
3. NGVD = NATIONAL GEODETIC VERTICAL DATUM, 1929.
4. SAMPLE COLLECTION DATES FOR EACH MONITORING WELL IDENTIFIED ADJACENT TO OR BENEATH RESULTS FOR EACH WELL.
5. CONCENTRATIONS IN ug/L
6. J = ESTIMATED CONCENTRATION
7. ND = NON–DETECT, NS = NOT SAMPLED, P = PERCHLORATE, R = RDX, 1.55 = CONCENTRATION IN ug/L
8. CONCENTRATIONS LISTED ARE THE MOST RECENT RESULTS AS OF 11/13/06.
9. * = SCREEN DEPTHS ESTIMATED
10. DASHED GRAY LINES INDICATES WELL HAS BEEN PROJECTED INTO THE CROSS SECTION
11. MODIFIED FROM AMEC, 2006 FOR GROUNDWATER MODELING PURPOSES.

LEGEND

GEOLOGIC UNITS
- M–C SAND & GRAVEL
- SILTY–FINE SAND
- CLAY
- BEDROCK

PERCHLORATE PLUME CONCENTRATIONS
- >ND – <2.0 ug/L
- 2.0 ug/L – <24 ug/L
- ≥24 ug/L

RDX PLUME CONCENTRATIONS
- >ND – <2.0 ug/L
- 2 ug/L– <20 ug/L
- 20 ug/L – <200 ug/L

PROFILE DATA KEY

SCREENING LOCATION — PERCHLORATE/RDX (IF APPLICABLE)

A (10/5) CONCENTRATIONS IN ug/L

WELL DATA KEY

M2 — SCREEN DESIGNATION

P = 1.5 / RDX = ND / 6/6/02 — GROUNDWATER CONCENTRATION AT WELL

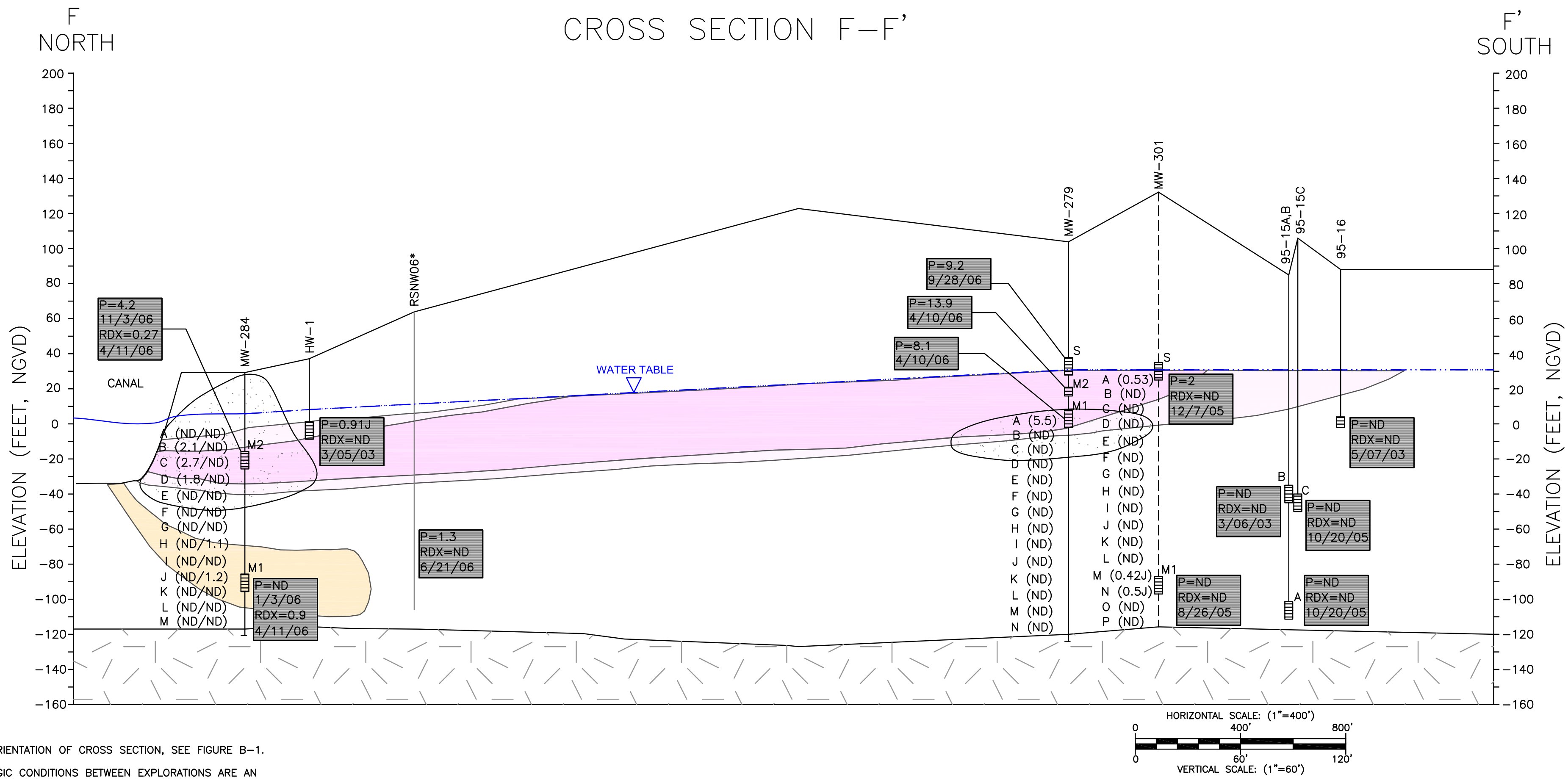
WELL SCREEN LOCATION — DATE COLLECTED

Impact Area Groundwater Study Program

NORTHWEST CORNER
DRAFT FEASIBILITY REPORT

FIGURE 10-6
NORTHWEST CORNER OF MASSACHUSETTS MILITARY RESERVATION
CROSS SECTION E-E'

REVISIONS	DESIGNED BY: MK	DATE: 12/05/08	DRAWING NO.
	DRAWN BY: DD/FGM		
	CHECKED BY: KH/BA	NWC XSECTION–E–E'–REV 1.DWG	



NOTES:

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2. GEOLOGIC CONDITIONS BETWEEN EXPLORATIONS ARE AN INTERPRETATION OF AVAILABLE DATA. ACTUAL CONDITIONS MAY VARY.
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5. CONCENTRATIONS IN ug/L
6. J = ESTIMATED CONCENTRATION
7. ND = NON-DETECT, NS = NOT SAMPLED, P = PERCHLORATE, R = RDX, 1.55 = CONCENTRATION IN ug/L
8. CONCENTRATIONS LISTED ARE THE MOST RECENT RESULTS AS OF 11/13/06.
9. * = SCREEN DEPTHS ESTIMATED
10. DASHED GRAY LINES INDICATES WELL HAS BEEN PROJECTED INTO THE CROSS SECTION
11. MODIFIED FROM AMEC, 2006 FOR GROUNDWATER MODELING PURPOSES.

LEGEND

GEOLOGIC UNITS
- M-C SAND & GRAVEL
- SILTY-FINE SAND
- CLAY
- BEDROCK

PERCHLORATE PLUME CONCENTRATIONS
- >ND – <2.0 ug/L
- 2.0 ug/L – <24 ug/L
- ≥24 ug/L

RDX PLUME CONCENTRATIONS
- >ND – <2.0 ug/L
- 2 ug/L– <20 ug/L
- 20 ug/L – <200 ug/L

PROFILE DATA KEY

SCREENING LOCATION — PERCHLORATE/RDX (IF APPLICABLE)
A (10/5) CONCENTRATIONS IN ug/L

WELL DATA KEY

M2 — SCREEN DESIGNATION
P = 1.5
RDX = ND
6/6/02
GROUNDWATER CONCENTRATION AT WELL
WELL SCREEN LOCATION
DATE COLLECTED

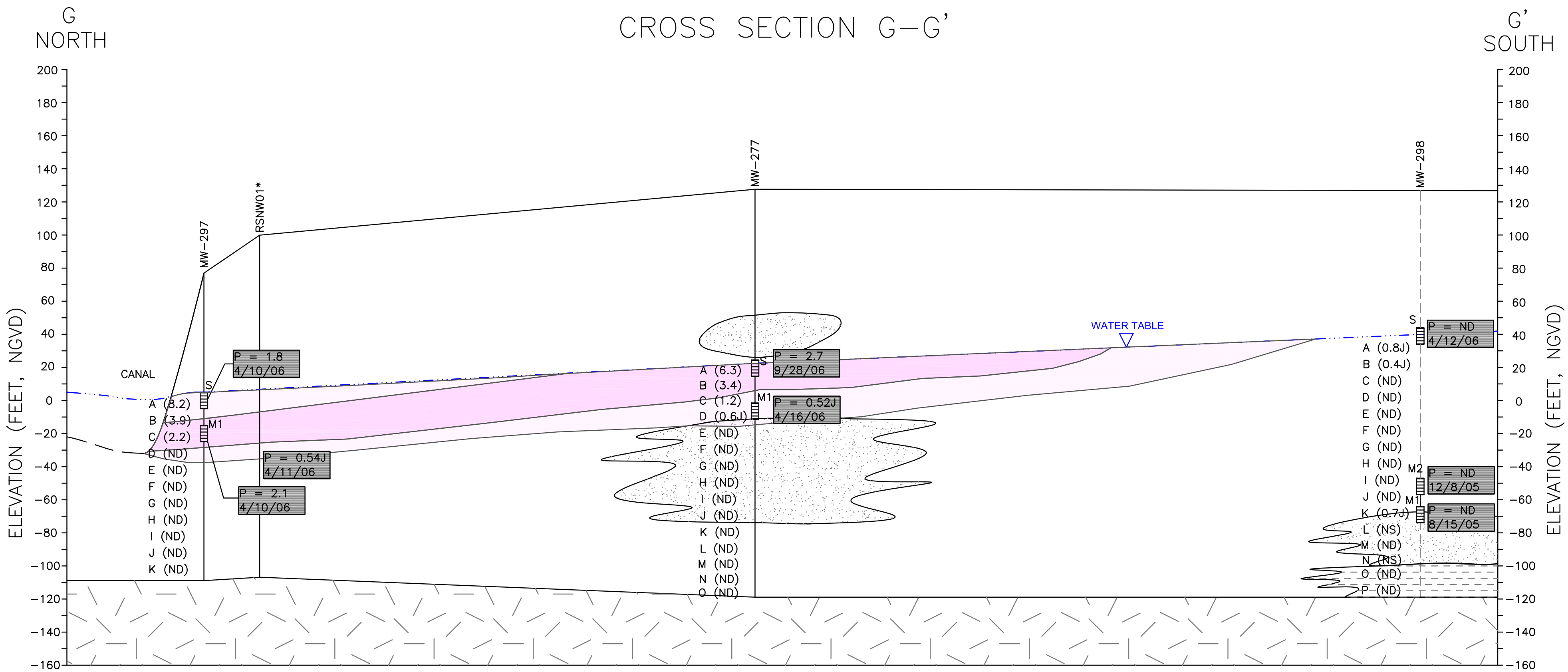
Impact Area Groundwater Study Program

NORTHWEST CORNER
DRAFT FEASIBILITY REPORT

FIGURE 10-7
NORTHWEST CORNER OF MASSACHUSETTS MILITARY RESERVATION
CROSS SECTION F-F'

REVISIONS	DESIGNED BY: MK	DATE: 12/05/08	DRAWING NO.
	DRAWN BY: DD/FGM		
	CHECKED BY: KH/BA	NWC XSECTION-F-F'-REV 1.DWG	

CROSS SECTION G–G'



HORIZONTAL SCALE: (1"=400')
0 400' 800'
0 60' 120'
VERTICAL SCALE: (1"=60')

NOTES:
1. FOR ORIENTATION OF CROSS SECTION, SEE FIGURE B–1.
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4. SAMPLE COLLECTION DATES FOR EACH MONITORING WELL IDENTIFIED ADJACENT TO OR BENEATH RESULTS FOR EACH WELL.
5. CONCENTRATIONS IN ug/L
6. J = ESTIMATED CONCENTRATION
7. ND = NON–DETECT, NS = NOT SAMPLED, P = PERCHLORATE, R = RDX, 1.55 = CONCENTRATION IN ug/L
8. CONCENTRATIONS LISTED ARE THE MOST RECENT RESULTS AS OF 11/13/06.
9. * = SCREEN DEPTHS ESTIMATED
10. DASHED GRAY LINES INDICATES WELL HAS BEEN PROJECTED INTO THE CROSS SECTION
11. MODIFIED FROM AMEC, 2006 FOR GROUNDWATER MODELING PURPOSES.

LEGEND

GEOLOGIC UNITS
- M–C SAND & GRAVEL
- SILTY–FINE SAND
- CLAY
- BEDROCK

PERCHLORATE PLUME CONCENTRATIONS
- >ND – <2.0 ug/L
- 2.0 ug/L – <24 ug/L
- ≥24 ug/L

RDX PLUME CONCENTRATIONS
- >ND – <2.0 ug/L
- 2 ug/L– <20 ug/L
- 20 ug/L – <200 ug/L

PROFILE DATA KEY

SCREENING LOCATION — PERCHLORATE/RDX (IF APPLICABLE)
A (10/5) CONCENTRATIONS IN ug/L

WELL DATA KEY

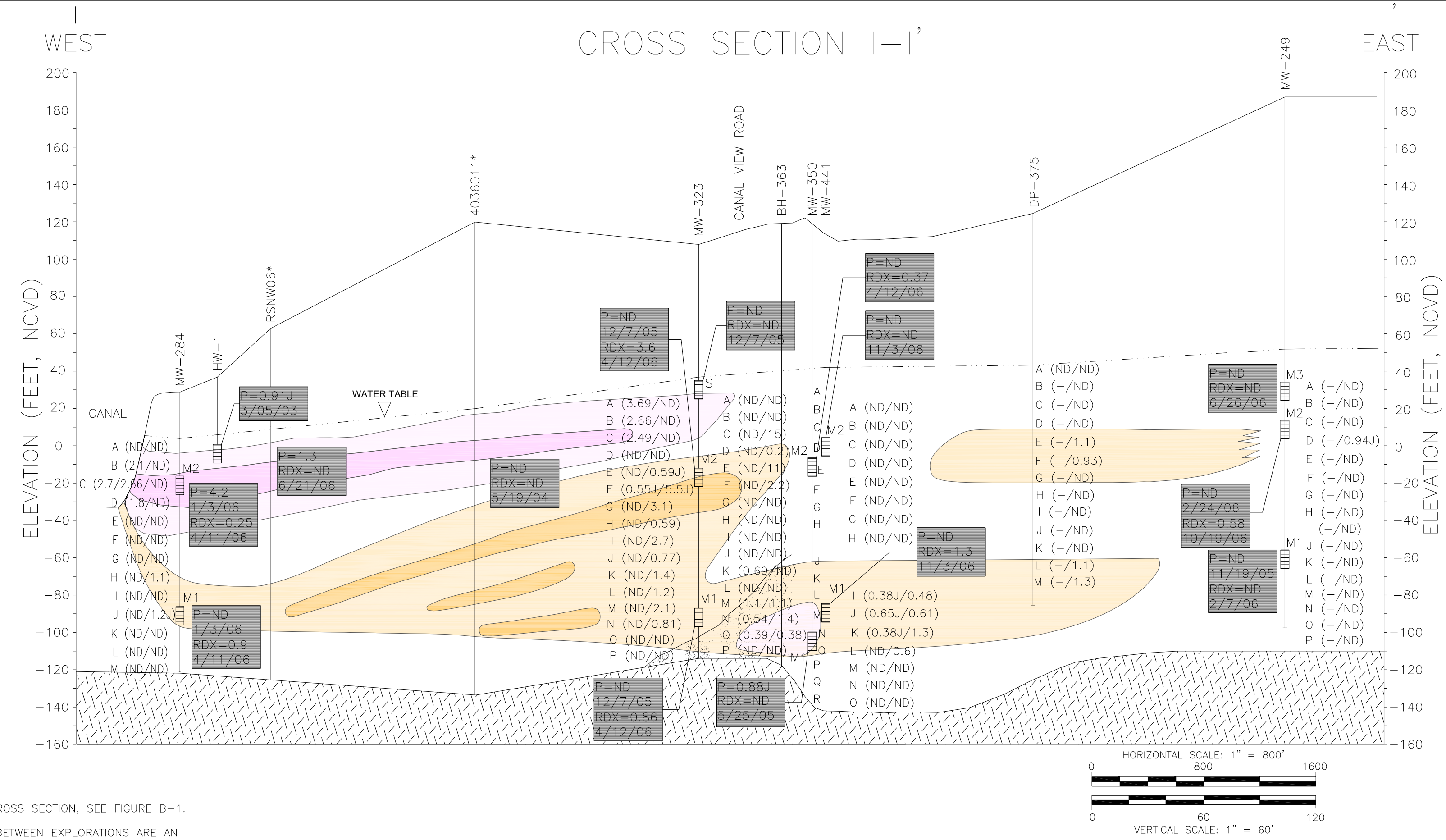
M2 — SCREEN DESIGNATION
P = 1.5
RDX = ND
6/6/02
GROUNDWATER CONCENTRATION AT WELL
WELL SCREEN LOCATION
DATE COLLECTED

Impact Area Groundwater Study Program

NORTHWEST CORNER
DRAFT FEASIBILITY REPORT

FIGURE 10-8
NORTHWEST CORNER OF MASSACHUSETTS MILITARY RESERVATION
CROSS SECTION G-G'

REVISIONS	DESIGNED BY: MK	DATE: 12/05/08	DRAWING NO.
	DRAWN BY: DD/FGM		
	CHECKED BY: KH/BA	NWC XSECTION–G–G'–REV 1.DWG	



NOTES:

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2. GEOLOGIC CONDITIONS BETWEEN EXPLORATIONS ARE AN INTERPRETATION OF AVAILABLE DATA. ACTUAL CONDITIONS MAY VARY.
3. NGVD = NATIONAL GEODETIC VERTICAL DATUM, 1929.
4. SAMPLE COLLECTION DATES FOR EACH MONITORING WELL IDENTIFIED ADJACENT TO OR BENEATH RESULTS FOR EACH WELL.
5. CONCENTRATIONS IN ug/L
6. J = ESTIMATED CONCENTRATION
7. ND = NON-DETECT, NS = NOT SAMPLED, P = PERCHLORATE, R = RDX, 1.55 = CONCENTRATION IN ug/L
8. CONCENTRATIONS LISTED ARE THE MOST RECENT RESULTS AS OF 11/13/06.
9. RDX PLUME EAST OF DP-375 ADDRESSED AS PART OF CENTRAL IMPACT AREA.
10. DASHED GRAY LINES INDICATES WELL HAS BEEN PROJECTED INTO THE CROSS SECTION
11. MODIFIED FROM AMEC, 2006 FOR GROUNDWATER MODELING PURPOSES.

LEGEND

GEOLOGIC UNITS

- M-C SAND & GRAVEL
- SILTY-FINE SAND
- CLAY
- BEDROCK

PERCHLORATE PLUME CONCENTRATIONS

- >ND – <2.0 ug/L
- 2.0 ug/L – <24 ug/L
- ≥24 ug/L

RDX PLUME CONCENTRATIONS

- >ND – <2.0 ug/L
- 2 ug/L– <20 ug/L
- 20 ug/L – <200 ug/L

PROFILE DATA KEY

SCREENING LOCATION — PERCHLORATE/RDX (IF APPLICABLE)

A (10/5) CONCENTRATIONS IN ug/L

WELL DATA KEY

M2 — SCREEN DESIGNATION

P = 1.5
RDX = ND
6/6/02

GROUNDWATER CONCENTRATION AT WELL

WELL SCREEN LOCATION

DATE COLLECTED

Impact Area Groundwater Study Program

NORTHWEST CORNER
DRAFT FEASIBILITY REPORT

FIGURE 10-9
NORTHWEST CORNER OF MASSACHUSETTS MILITARY RESERVATION
CROSS SECTION I-I'

REVISIONS			
12/10/07	DESIGNED BY: MK	DATE: 07/17/09	DRAWING NO.
12/05/08	DRAWN BY: DD/FGM		
07/17/09	CHECKED BY: KH/BA		NWC XSECTION-I-I'-REV 3.DWG

Figure 10-10. MMR Northwest Corner Time Series, MW-66

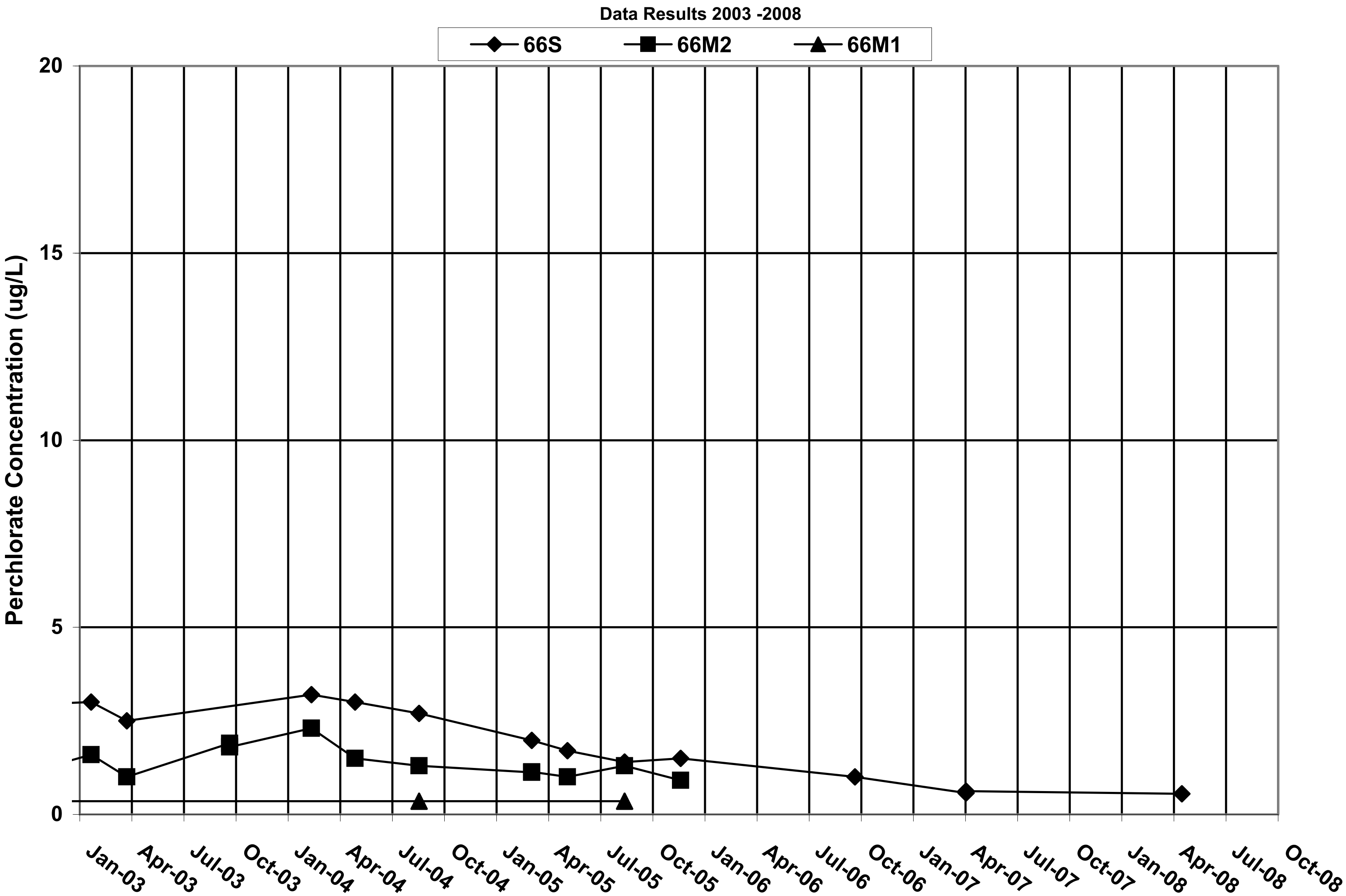


Figure 10-11. MMR Northwest Corner Time Series, MW-270 Test

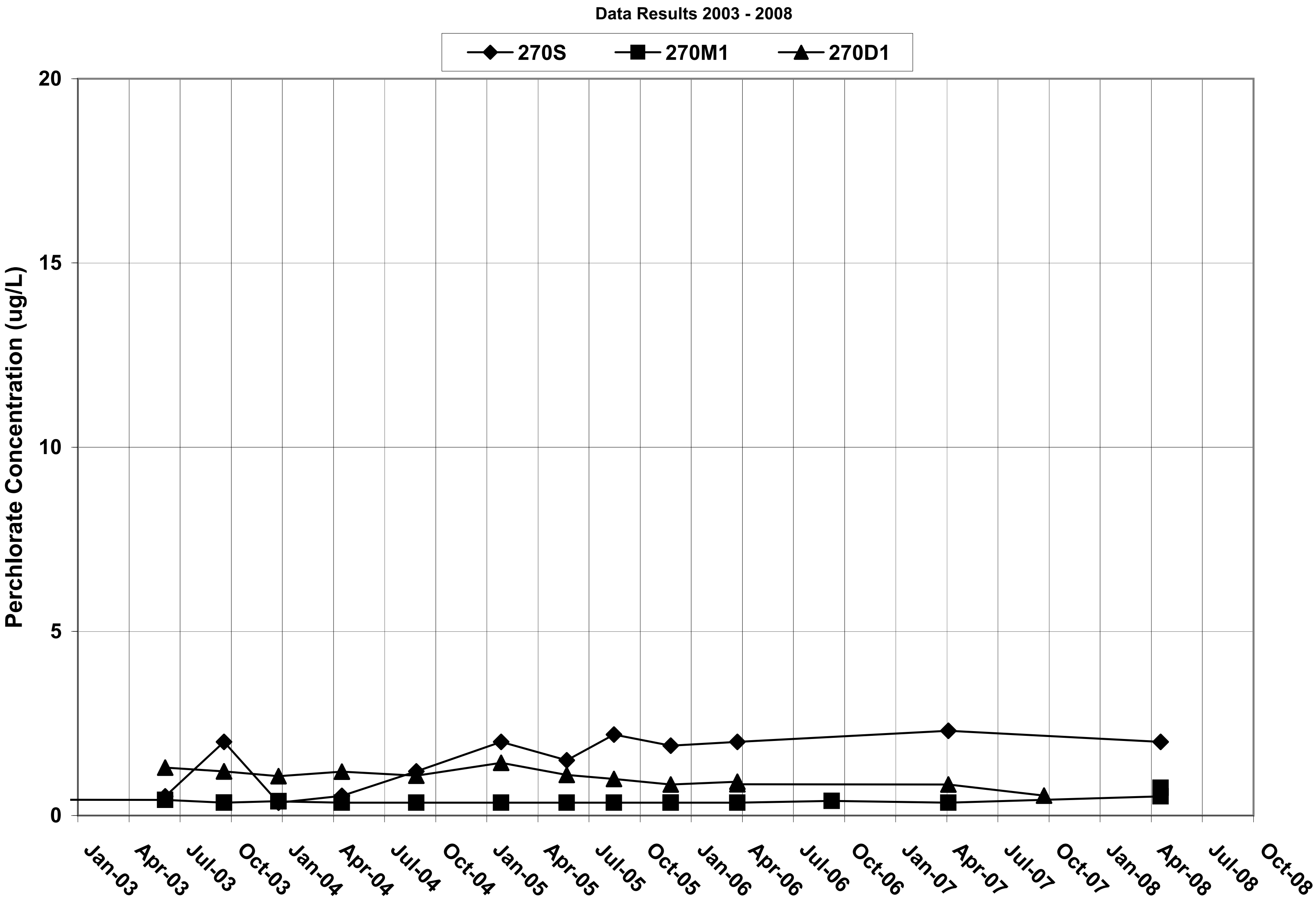


Figure 10-12. MMR Northwest Corner Time Series, MW-277

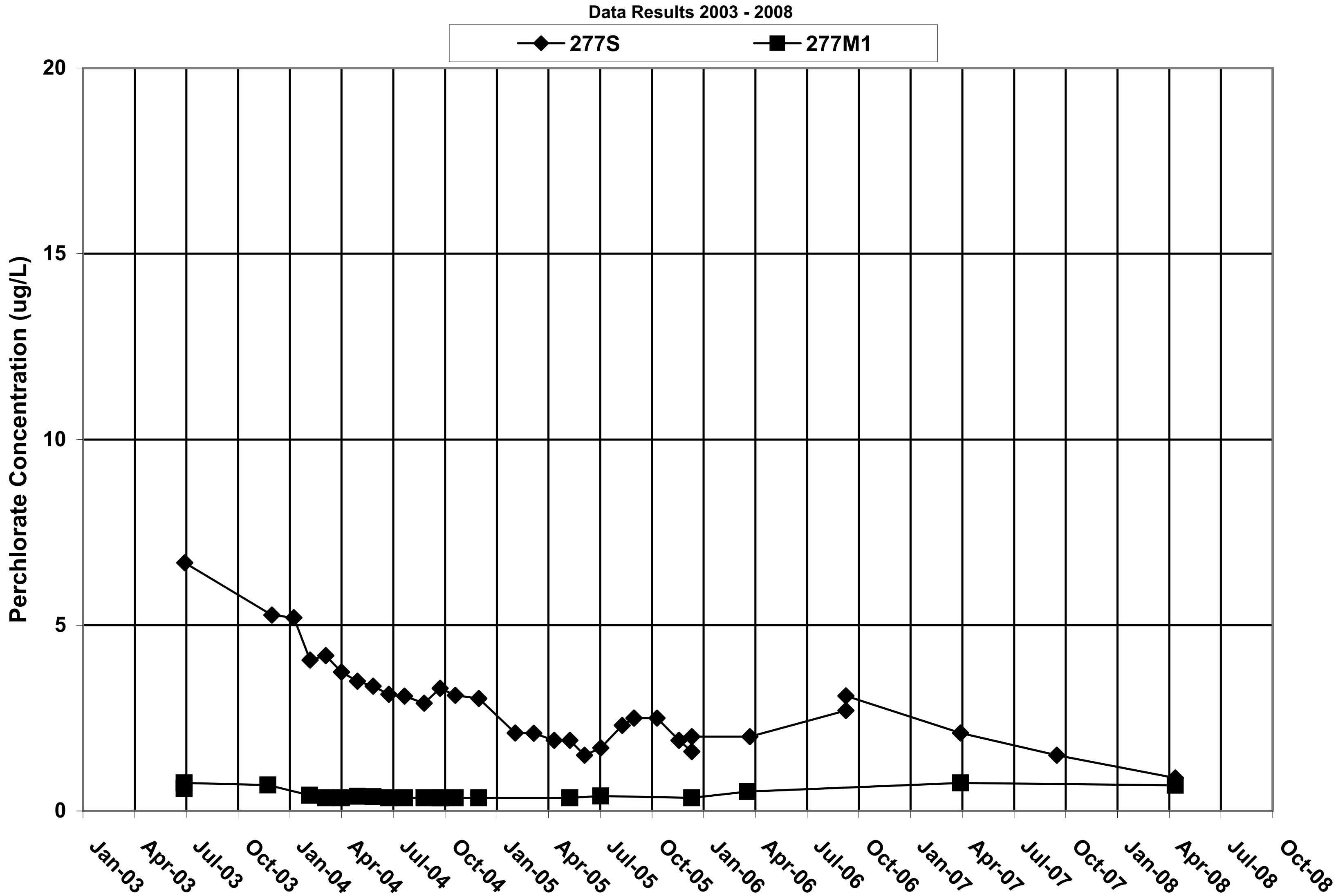


Figure 10-13. MMR Northwest Corner Time Series, MW-278 Cluster

Data Results 2003 - 2008

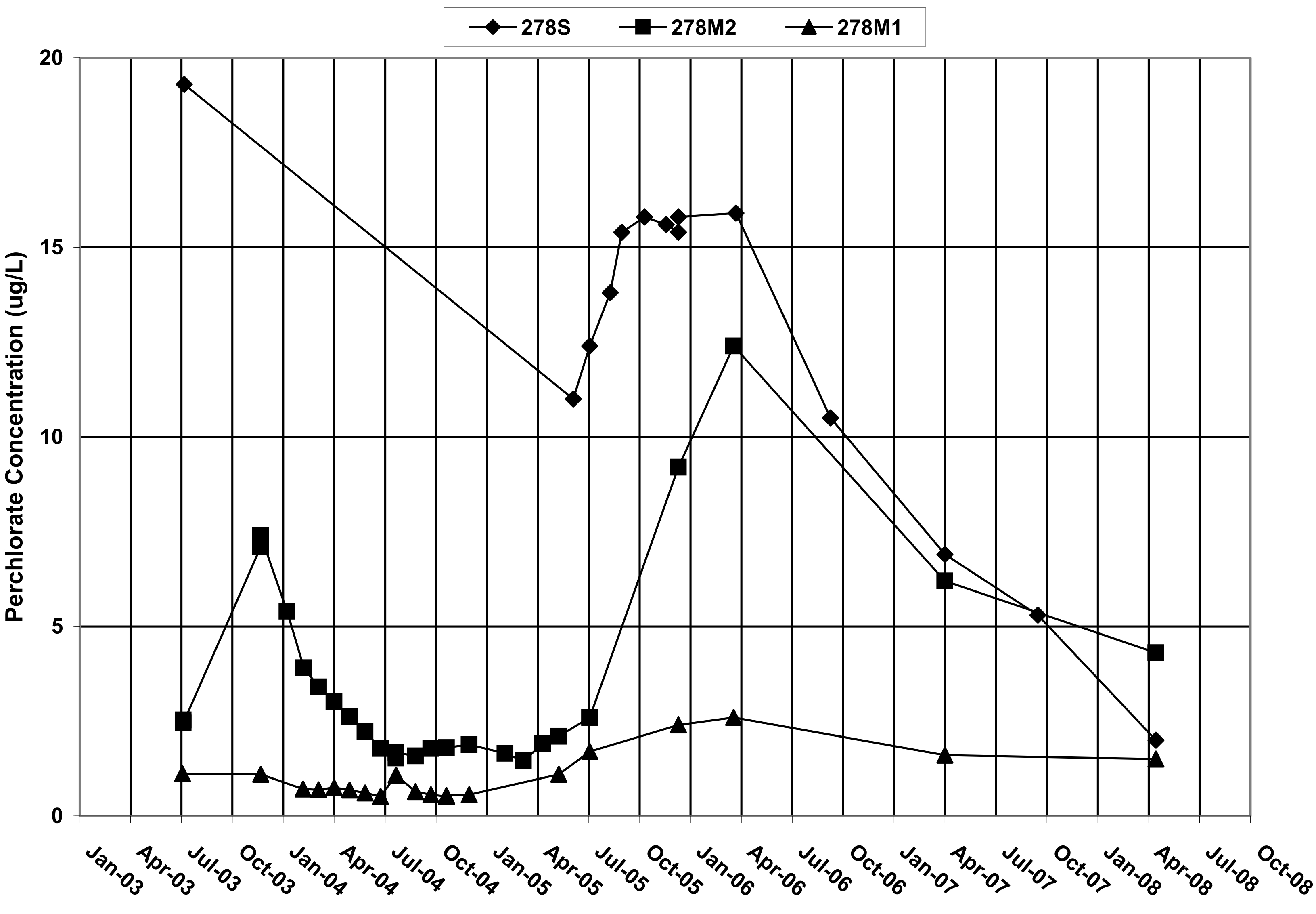


Figure 10-14. MMR Northwest Corner Time Series, MW-279 Cluster

Data Results 2003 - 2008

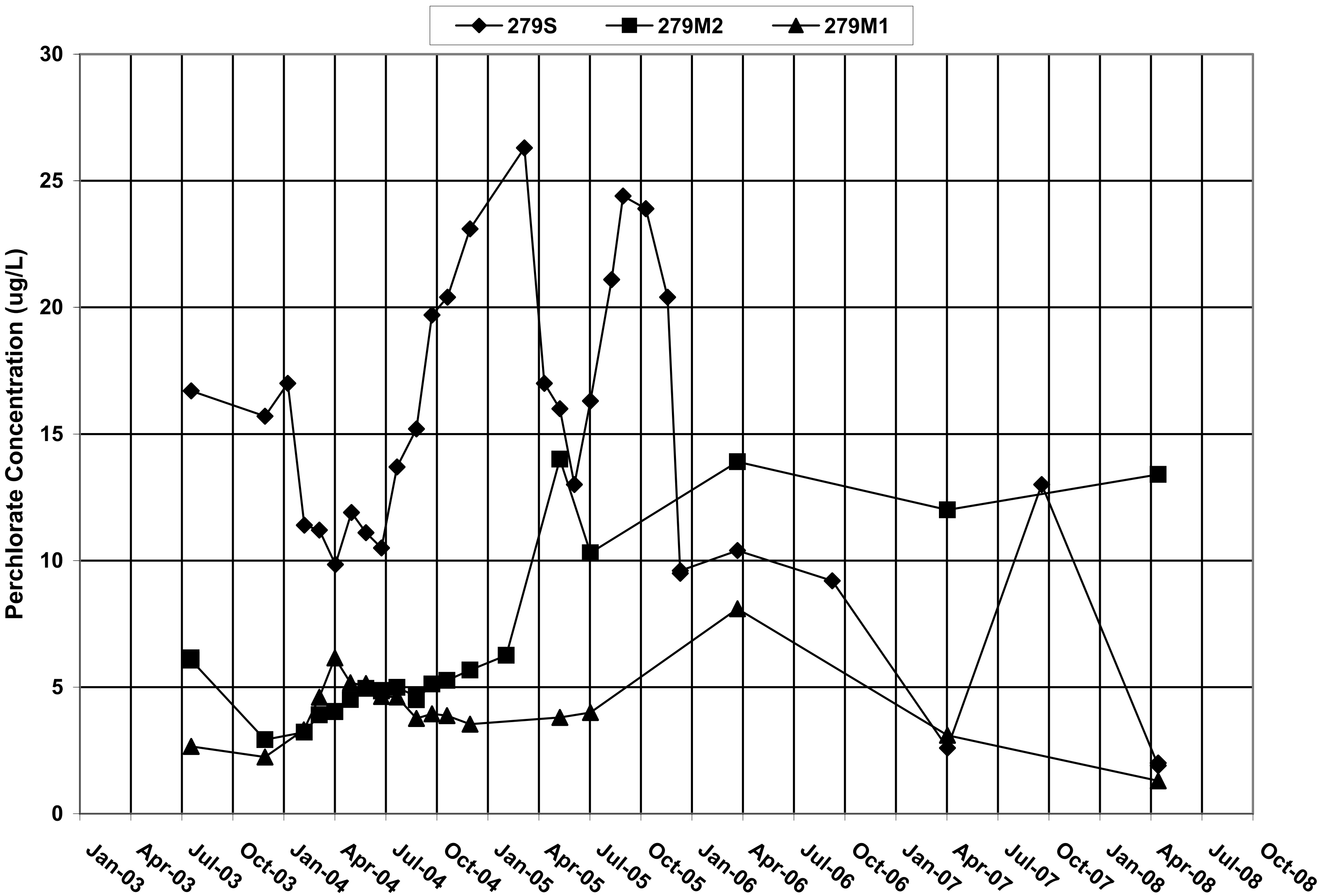


Figure 10-15. MMR Northwest Corner Time Series, MW-284

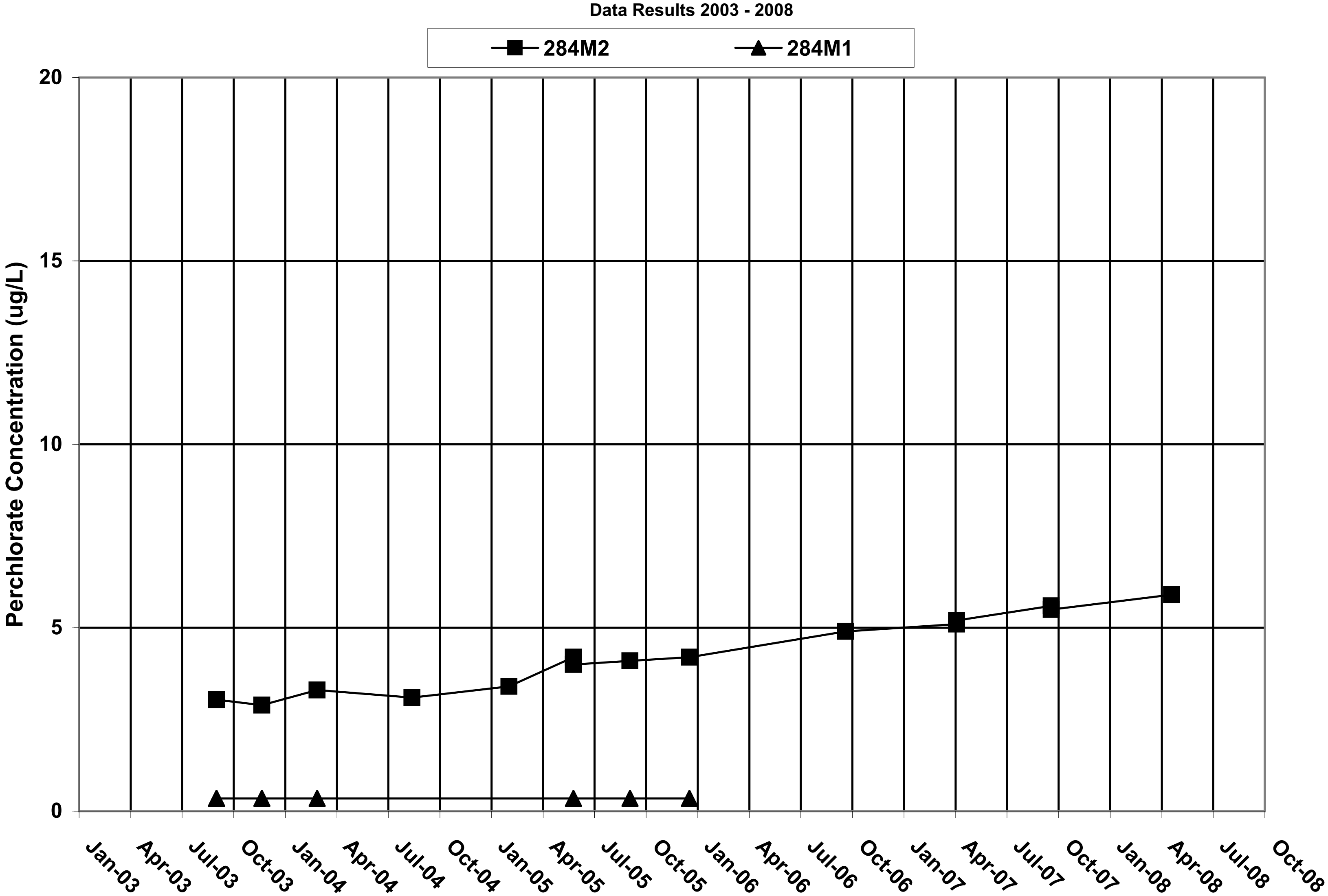


Figure 10-16. MMR Northwest Corner Time Series, MW-297

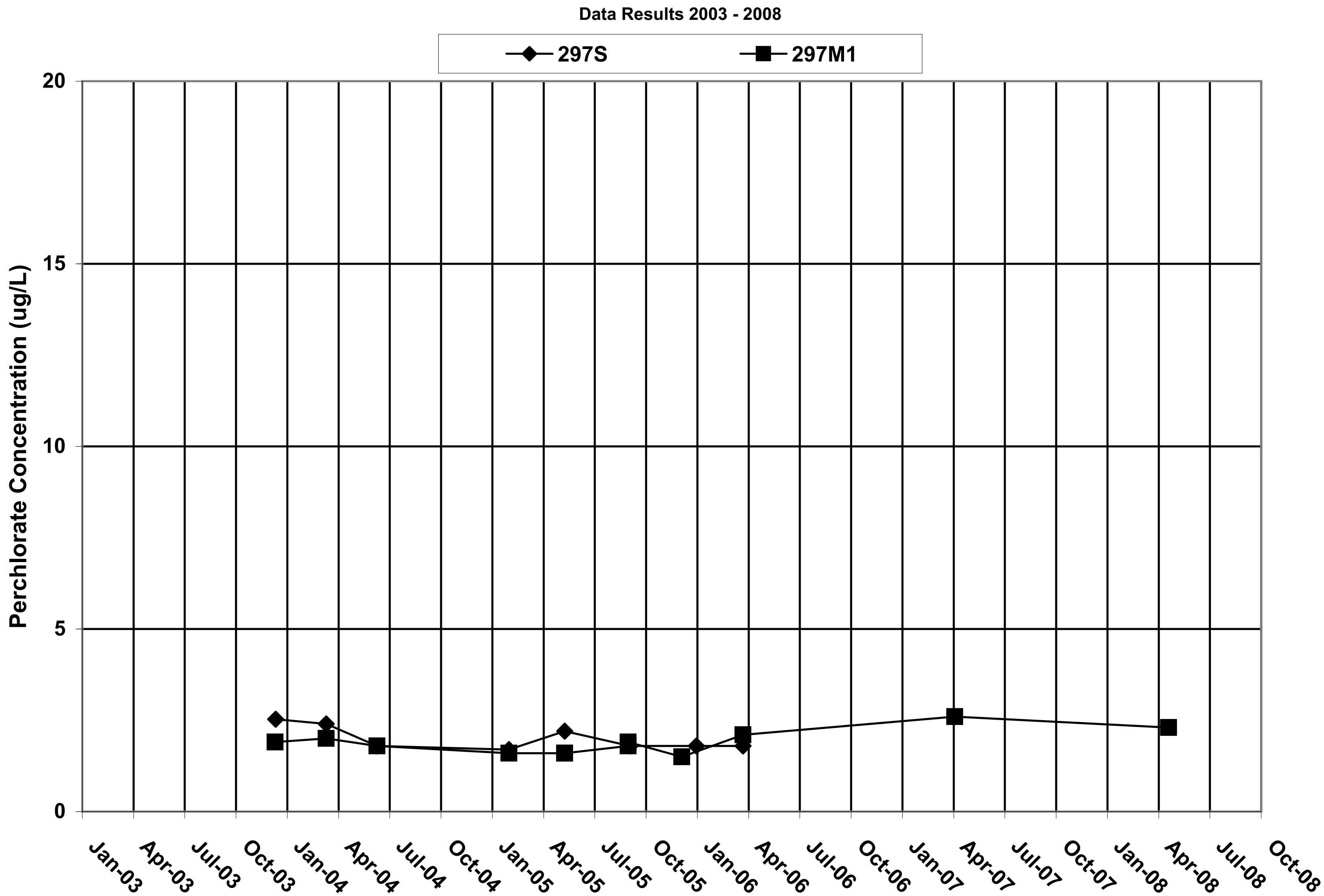


Figure 10-17. MMR Northwest Corner Time Series, MW-301

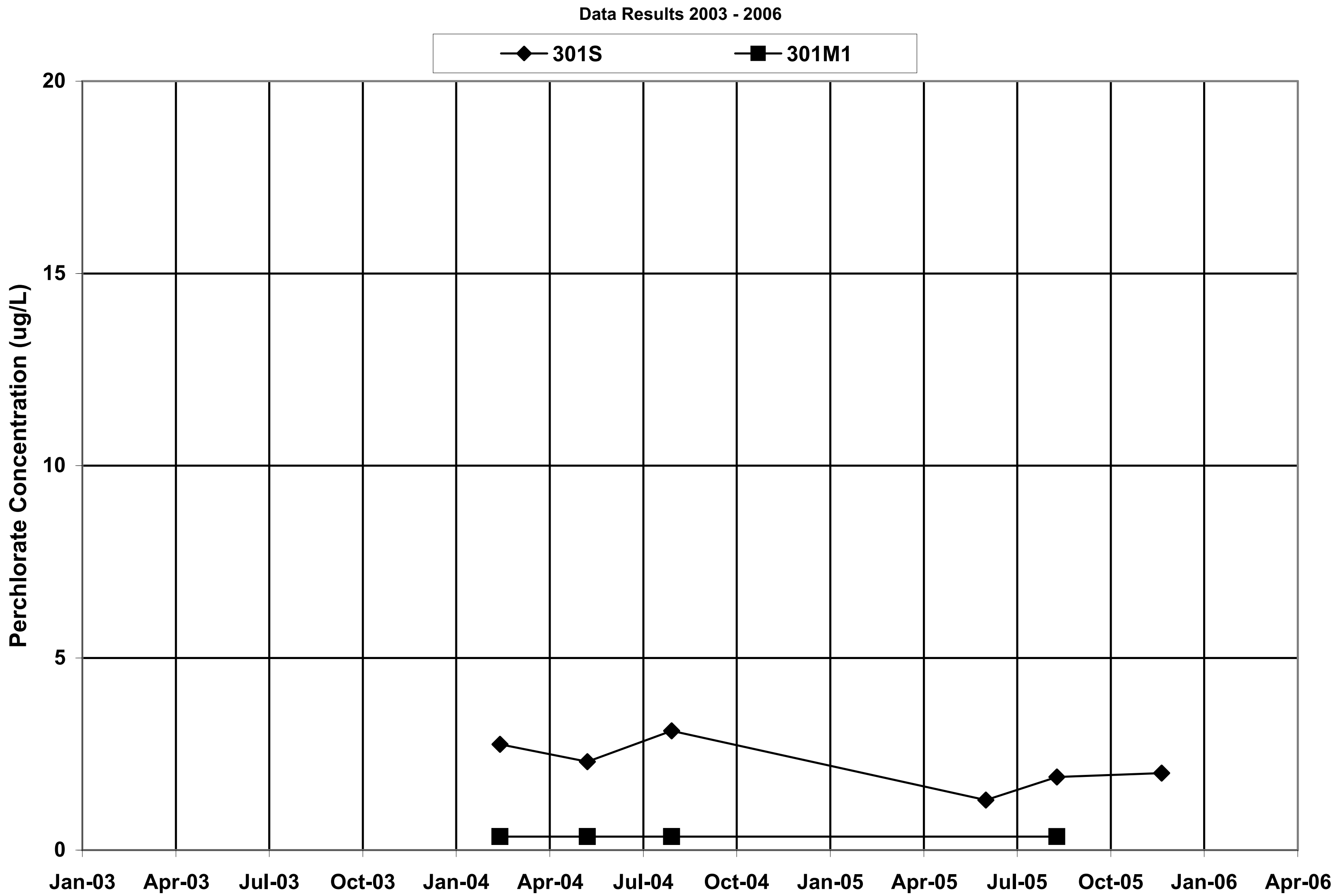
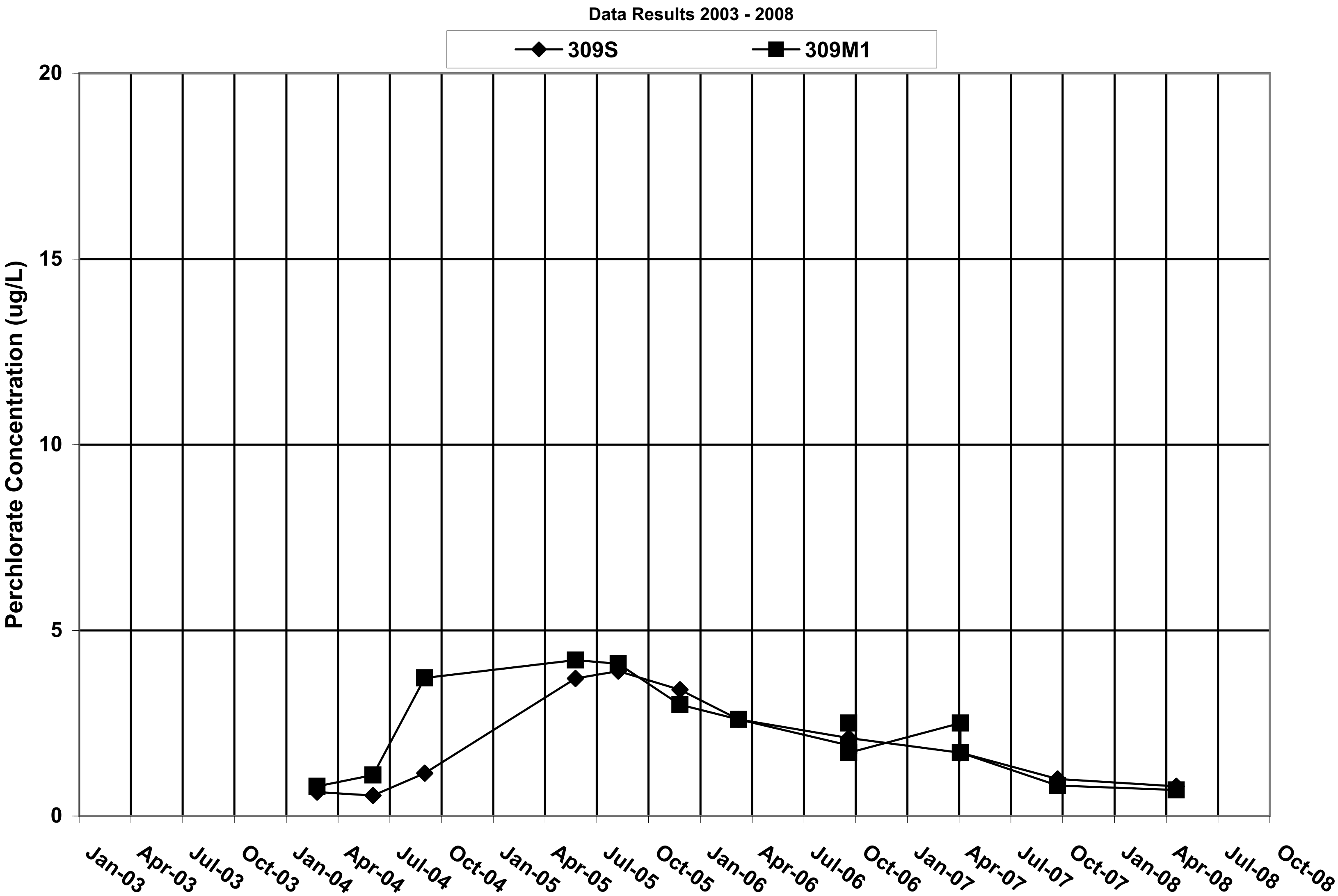


Figure 10-18. MMR Northwest Corner Time Series, MW-309



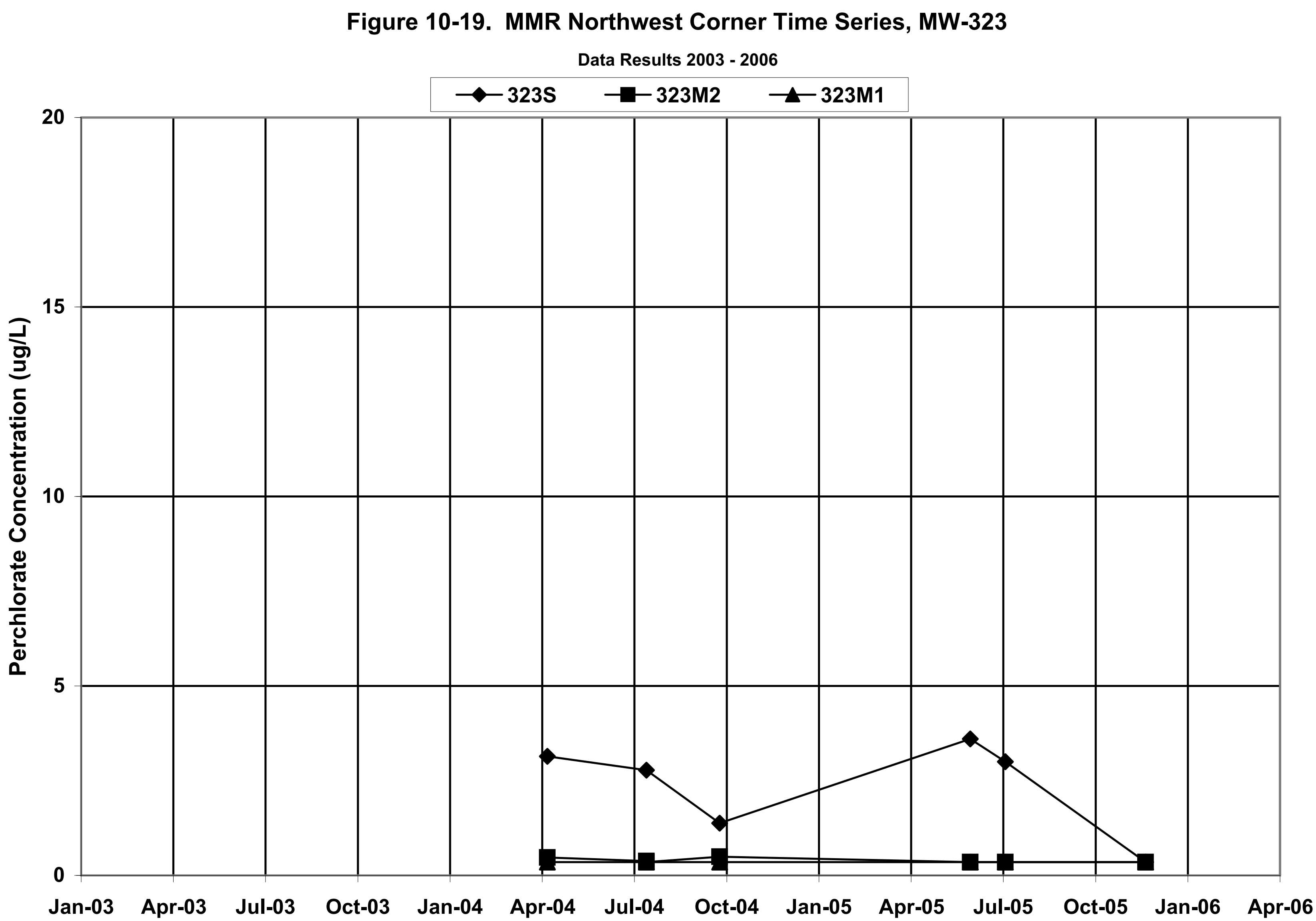
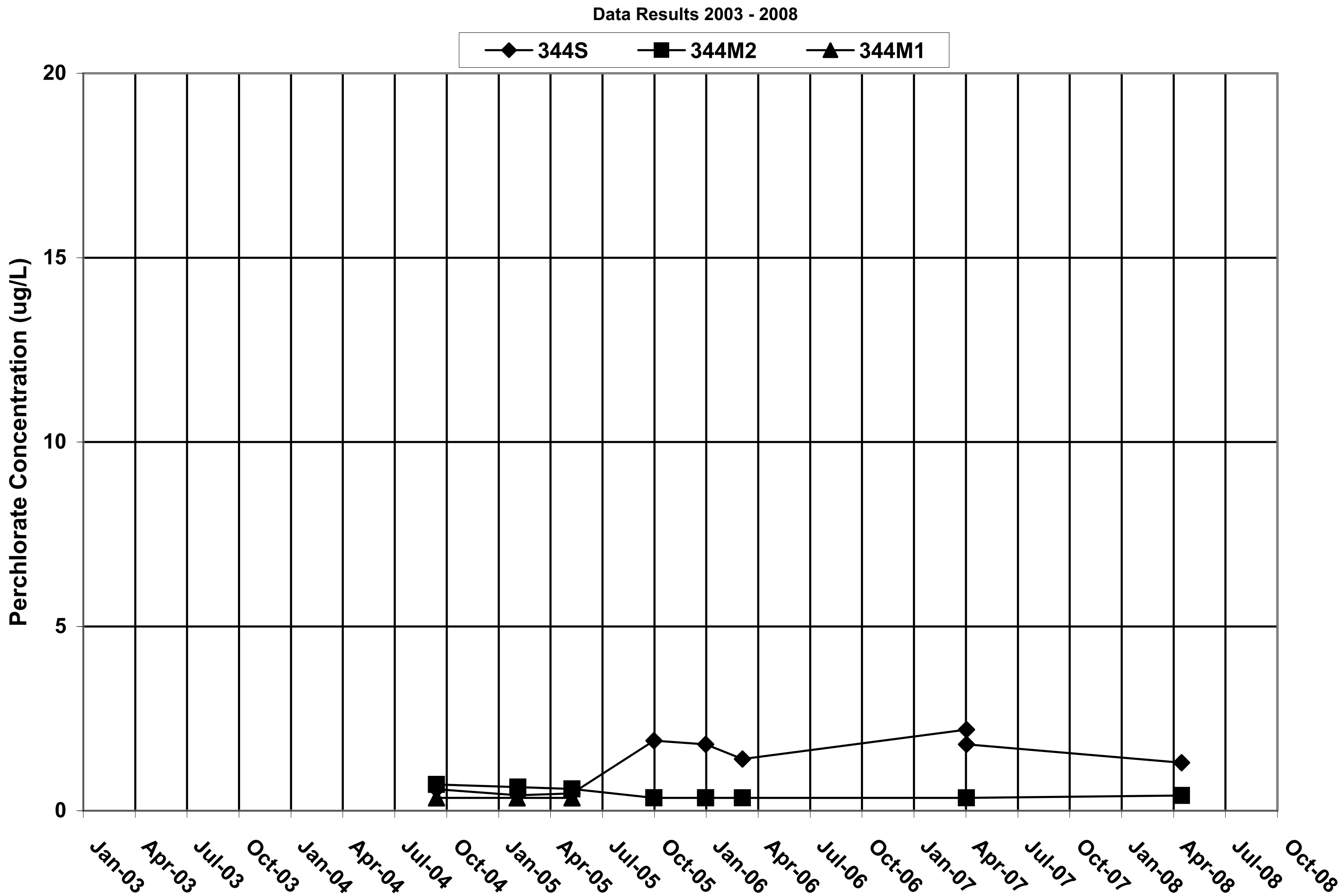
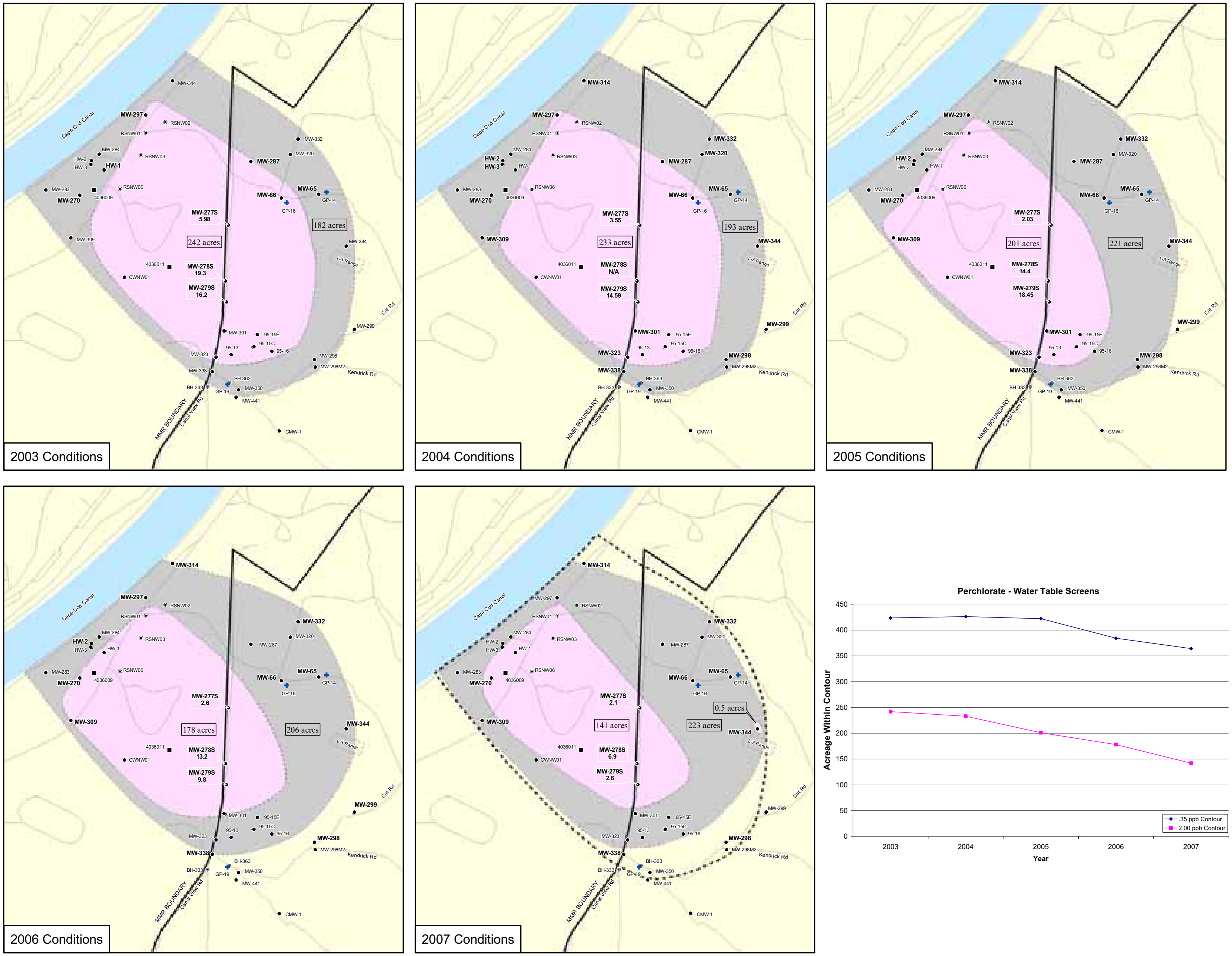


Figure 10-19. MMR Northwest Corner Time Series, MW-323
Data Results 2003 - 2006
323S
323M2
323M1
Perchlorate Concentration (ug/L)
20
15
10
5
0
Jan-03
Apr-03
Jul-03
Oct-03
Jan-04
Apr-04
Jul-04
Oct-04
Jan-05
Apr-05
Jul-05
Oct-05
Jan-06
Apr-06

Figure 10-20. MMR Northwest Corner Time Series, MW-344





Impact Area Groundwater Study Program

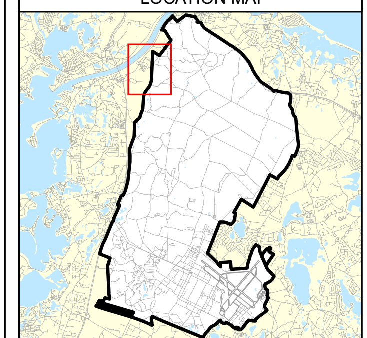
LEGEND

Perchlorate in Groundwater

- ND to 2 µg/L
- 2 to 24 µg/L
- 2003 ND Contour (as shown on 2007 conditions)
- Existing Monitoring Well (Wells with perchlorate data used to draw these plume contours are indicated by a larger well label)
- Community Water Supply Well
- Residential Well
- Gun Position

Note: Concentrations used to contour the yearly plumes are the average of the samples collected for that year, with the exception of 2007, for which there is only one data set.

LOCATION MAP



NOTES & SOURCES

Basemap data from US Geological Survey 7 1/2 minute Topographic Maps. Source: MassGIS
Aerial Photos: Color Digital Orthophotos:
Date Flown: 2002 Source: EarthData International

TITLE

Perchlorate Concentration in Groundwater
Water Table Wells
Northwest Corner

0 1,500 Feet

US Army Corps of Engineers

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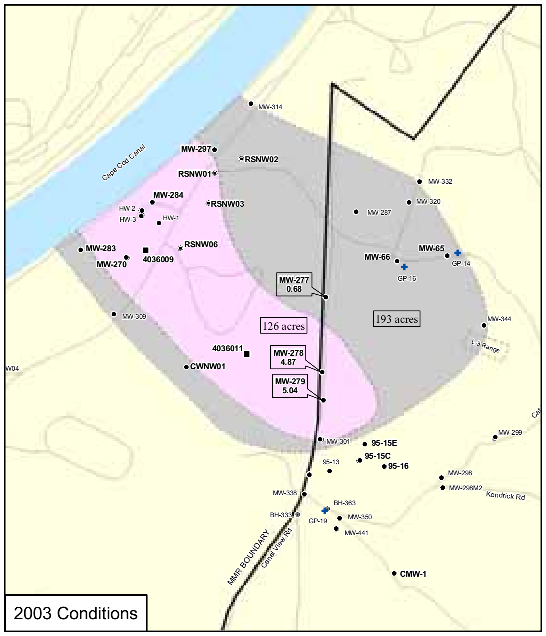
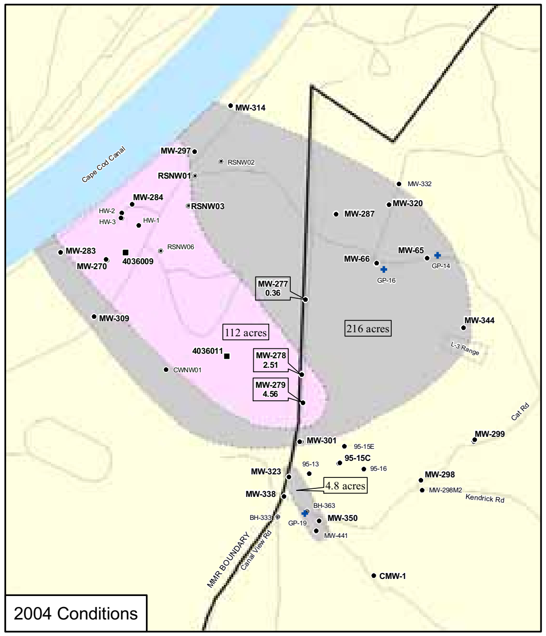
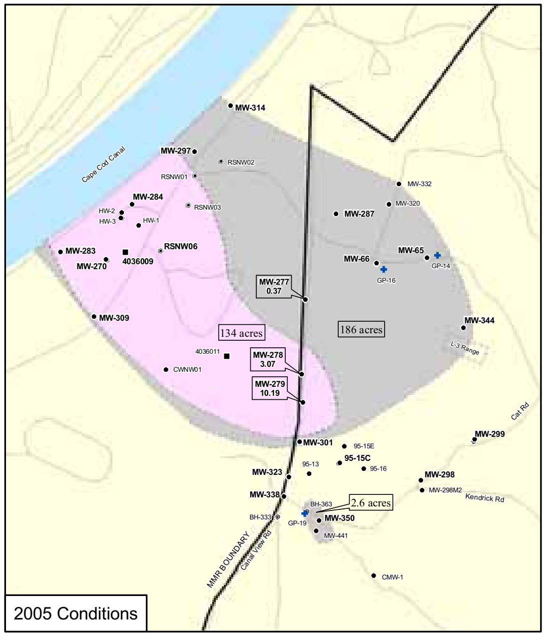
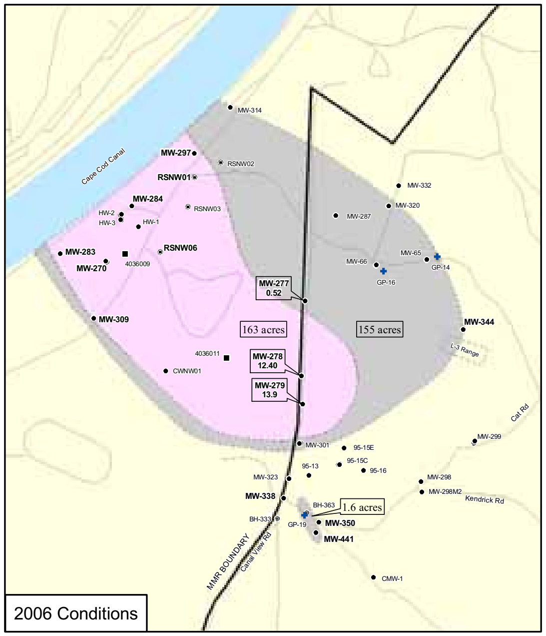
M:\MMR\2007\NWC\FS_0907\MXDs\Fig2-27.mxd
November 21, 2007 DWN: MTW CHKD: MRK SEG

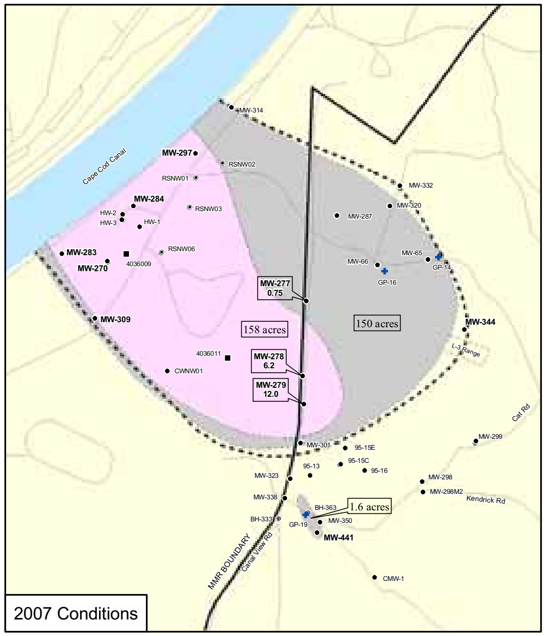
FIGURE
10-21

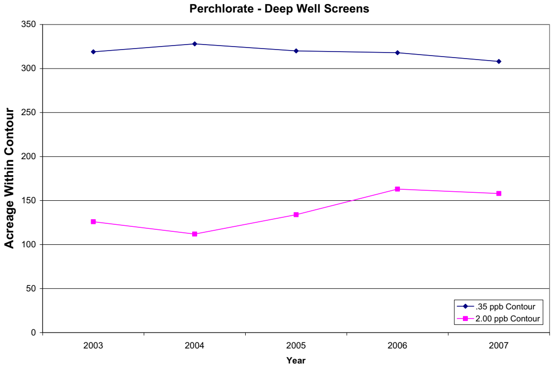












Impact Area Groundwater Study Program

LEGEND

Perchlorate in Groundwater

- ND to 2 µg/L
- 2 to 24 µg/L
- 2003 ND Contour (as shown on 2007 conditions)
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- Community Water Supply Well
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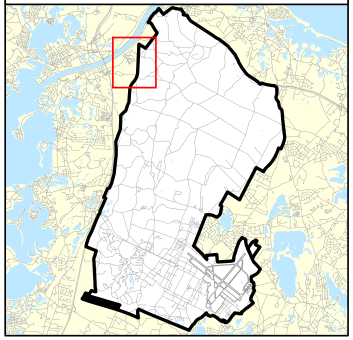
- Gun Position

Note: Concentrations used to contour the yearly plumes are the average of the samples collected for that year, with the exception of 2007, for which there is only one data set.

LOCATION MAP



NOTES & SOURCES

Basemap data from US Geological Survey 7 1/2 minute Topographic Maps. Source: MassGIS
Aerial Photos: Color Digital Orthophotos:
Date Flown: 2002 Source: EarthData International

TITLE

Perchlorate Concentration in Groundwater
Deep Wells
Northwest Corner

0 1,500 Feet

US Army Corps of Engineers
New England District

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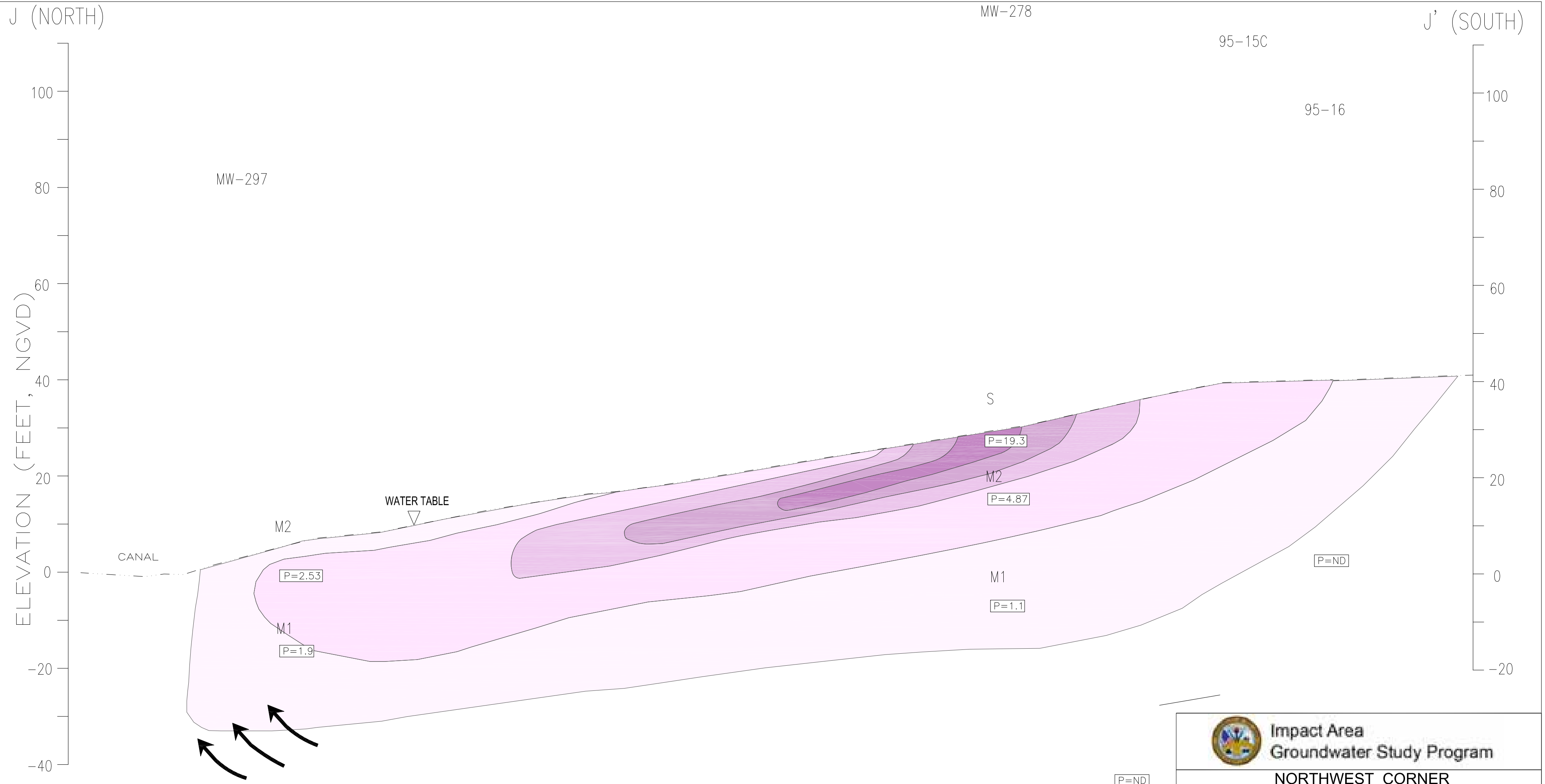
M:\MMR\2007\NWCFS_0907\MXDs\Fig2-28.mxd
November 21, 2007 DWN: MTW CHKD: MRK SEG

FIGURE
10-22



NOTES:

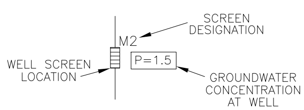
1. FOR ORIENTATION OF CROSS SECTION, SEE FIGURE B-1
2. NGVD = NATIONAL GEODETIC VERTICAL DATUM, 1929.
3. CONCENTRATIONS IN ug/L
4. J = ESTIMATED CONCENTRATION
5. ND = NON-DETECT, NS = NOT SAMPLED, P = PERCHLORATE, 1.55 = CONCENTRATION IN ug/L
6. CONCENTRATIONS REFLECT YEARLY AVERAGE, REFER TO TABLE B-2.
7. DEEPER FLOW LINES DEPICTING GROUNDWATER DISCHARGE TO CAPE COD CANAL.

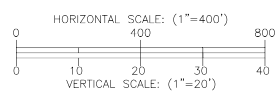
LEGEND

PERCHLORATE PLUME CONCENTRATIONS

- >ND – <2.0 ug/L
- 2.0 ug/L – <5.0 ug/L
- 5.0 ug/L – <10.0 ug/L
- 10.0 ug/L – <15.0 ug/L
- >15.0 ug/L

WELL DATA KEY





Impact Area
Groundwater Study Program

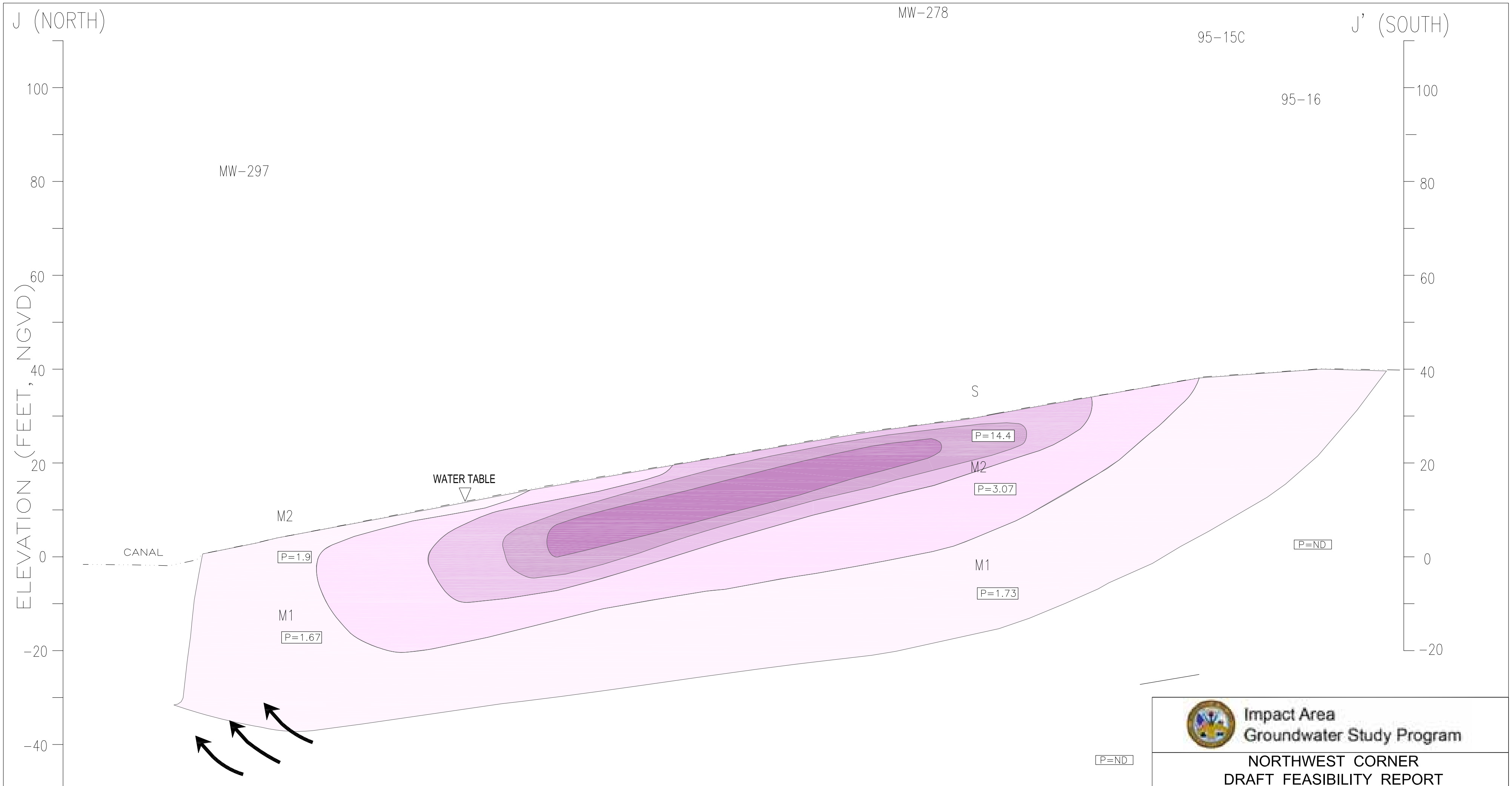
NORTHWEST CORNER
DRAFT FEASIBILITY REPORT

FIGURE 10-23

NORTHWEST CORNER OF MASSACHUSETTS MILITARY RESERVATION

CROSS SECTION J-J'
AVERAGE PERCHLORATE 2003

REVISIONS	DESIGNED BY: MK	DATE: 12/05/08	DRAWING NO.
12/10/07	DRAWN BY: DD/FGM		
	CHECKED BY: KH/BA NWC	XSECTION-J-J'-2003-5-7-REV 2.DWG	



NOTES:

1. FOR ORIENTATION OF CROSS SECTION, SEE FIGURE B-1
2. NGVD = NATIONAL GEODETIC VERTICAL DATUM, 1929.
3. CONCENTRATIONS IN ug/L
4. J = ESTIMATED CONCENTRATION
5. ND = NON-DETECT, NS = NOT SAMPLED, P = PERCHLORATE, 1.55 = CONCENTRATION IN ug/L
6. CONCENTRATIONS REFLECT YEARLY AVERAGE, REFER TO TABLE B-2.
7. DEEPER FLOW LINES DEPICTING GROUNDWATER DISCHARGE TO CAPE COD CANAL.

LEGEND

PERCHLORATE PLUME CONCENTRATIONS

- >ND – <2.0 ug/L
- 2.0 ug/L – <5.0 ug/L
- 5.0 ug/L – <10.0 ug/L
- 10.0 ug/L – <15.0 ug/L
- >15.0 ug/L

WELL DATA KEY

M2 — SCREEN DESIGNATION
WELL SCREEN LOCATION
P=1.5 — GROUNDWATER CONCENTRATION AT WELL

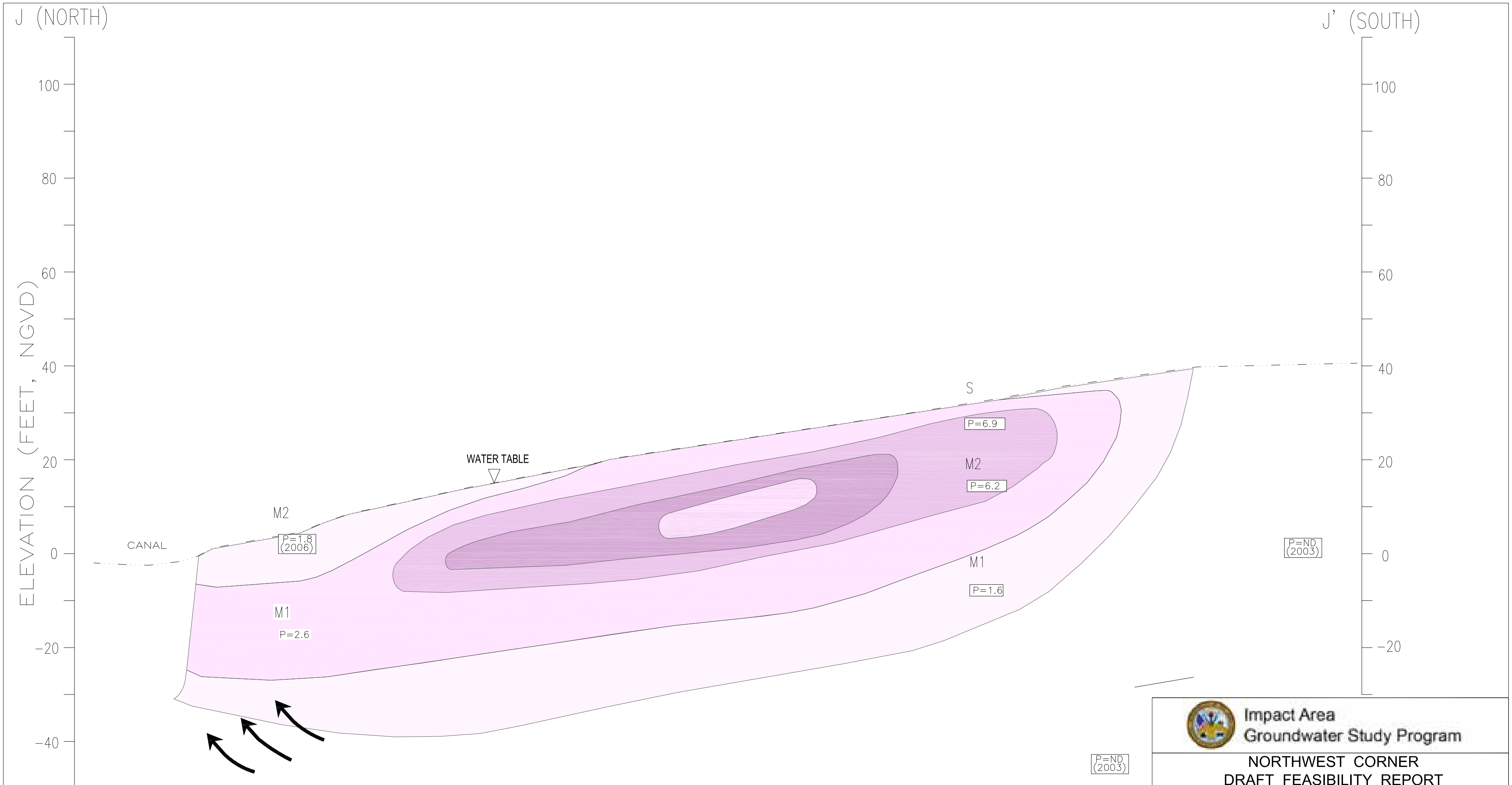
HORIZONTAL SCALE: (1"=400')
0 400 800
0 10 20 30 40
VERTICAL SCALE: (1"=20')

Impact Area Groundwater Study Program

NORTHWEST CORNER
DRAFT FEASIBILITY REPORT

FIGURE 10-24
NORTHWEST CORNER OF MASSACHUSETTS MILITARY RESERVATION
CROSS SECTION J-J'
AVERAGE PERCHLORATE 2005

REVISIONS 12/10/07	DESIGNED BY: MK	DATE: 12/05/08	DRAWING NO.
	DRAWN BY: DD/FGM		
	CHECKED BY: KH/BA	NWC	XSECTION-J-J'-2003-5-7-REV 2.DWG



NOTES:

1. FOR ORIENTATION OF CROSS SECTION, SEE FIGURE B-1
2. NGVD = NATIONAL GEODETIC VERTICAL DATUM, 1929.
3. CONCENTRATIONS IN ug/L
4. J = ESTIMATED CONCENTRATION
5. ND = NON-DETECT, NS = NOT SAMPLED, P = PERCHLORATE, 1.55 = CONCENTRATION IN ug/L
6. CONCENTRATIONS REFLECT YEARLY AVERAGE, REFER TO TABLE B-2.
7. DEEPER FLOW LINES DEPICTING GROUNDWATER DISCHARGE TO CAPE COD CANAL.

LEGEND

PERCHLORATE PLUME CONCENTRATIONS

- >ND – <2.0 ug/L
- 2.0 ug/L – <5.0 ug/L
- 5.0 ug/L – <10.0 ug/L
- 10.0 ug/L – <15.0 ug/L
- >15.0 ug/L

WELL DATA KEY

M2 — SCREEN DESIGNATION
WELL SCREEN LOCATION
P=1.5 (2006) — GROUNDWATER CONCENTRATION AT WELL
YEAR COLLECTED IF OTHER THAN 2007

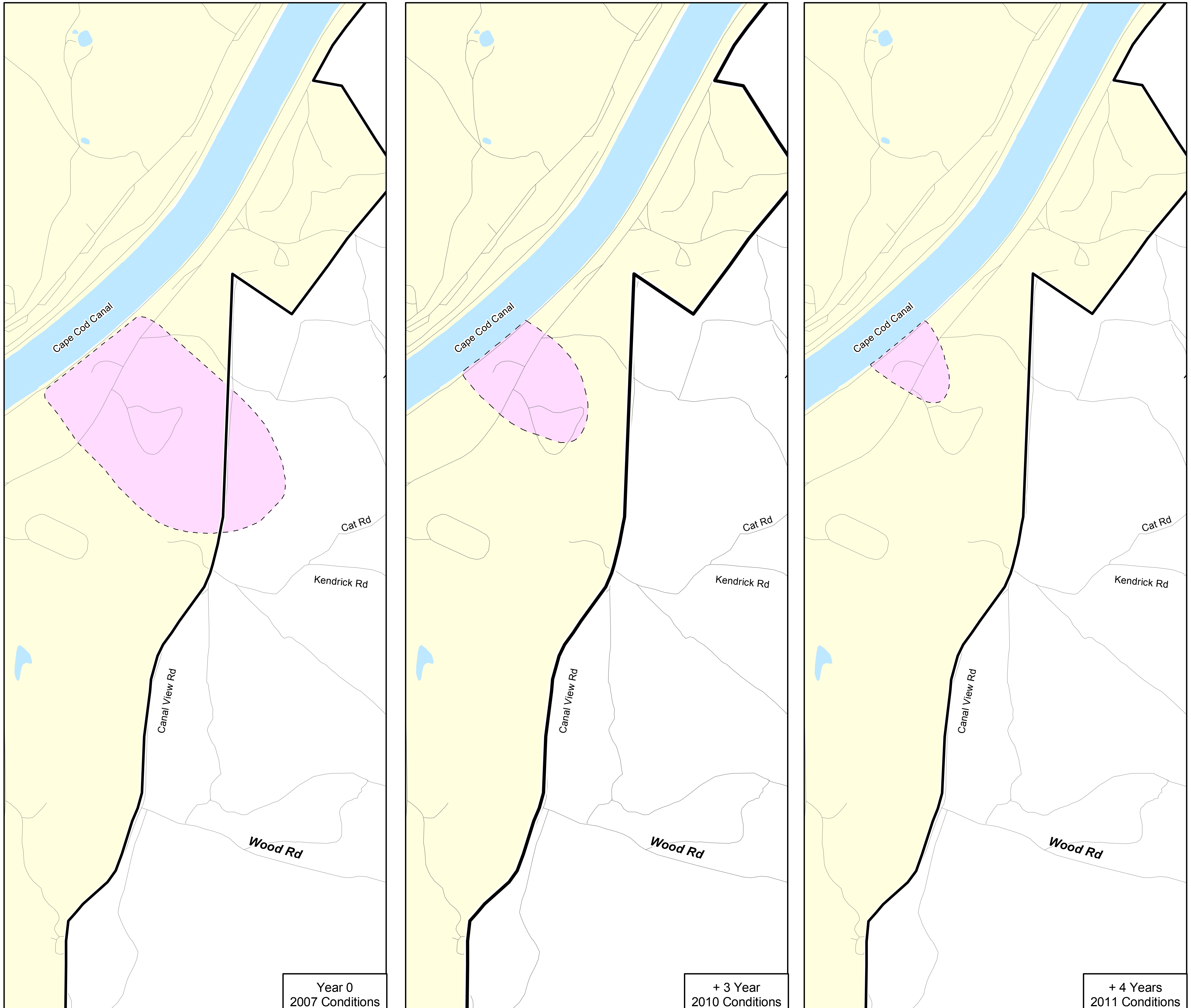
HORIZONTAL SCALE: (1"=400') 0 400 800
VERTICAL SCALE: (1"=20') 0 10 20 30 40

Impact Area Groundwater Study Program

NORTHWEST CORNER
DRAFT FEASIBILITY REPORT

FIGURE 10-25
NORTHWEST CORNER OF MASSACHUSETTS MILITARY RESERVATION
CROSS SECTION J-J'
PERCHLORATE 2007

REVISIONS	DESIGNED BY: MK		
12/10/07	DRAWN BY: DD/FGM	DATE: 12/05/08	DRAWING NO.
	CHECKED BY: KH/BA NWC	XSECTION-J-J'-2003-5-7-REV 2.DWG	



Impact Area Groundwater Study Program

LEGEND

Perchlorate in Groundwater

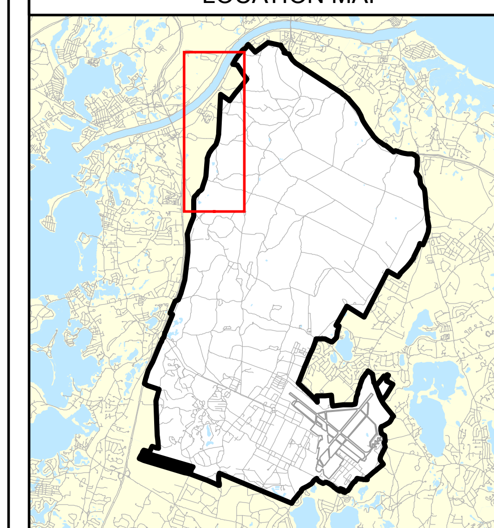
2 to 24 µg/L

MMR Boundary

Roads

Note: Plume shell illustrated is representative of widest observed at each transect cross-section.
Groundwater data through November 2006.
Contour lines dashed where inferred.

LOCATION MAP



NOTES & SOURCES

Basemap data from US Geological Survey 7 1/2 minute Topographic Maps. Source: MassGIS
Aerial Photos: Color Digital Orthophotos:
Date Flown: 2002 Source: EarthData International

TITLE

Time Series Plots for Perchlorate
Based on November 2006 Plumeshell
Northwest Corner RI/FS

0 1,500
Feet

US Army Corps of Engineers®
New England District

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September 13, 2007 DWN: MTW CHKD: MRK SEG

FIGURE
10-26

Impact Area Groundwater Study Program

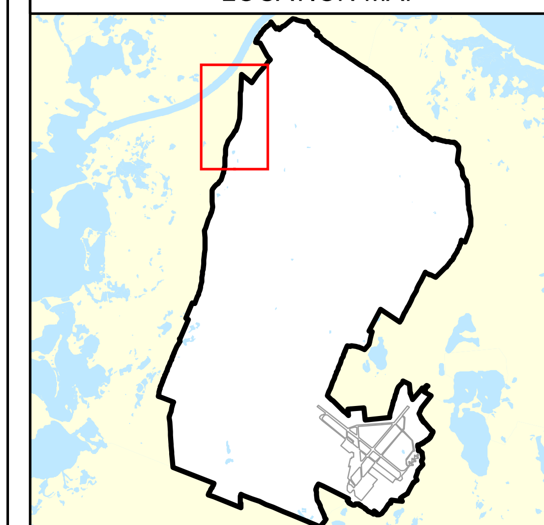
LEGEND

RDX in Groundwater

- 0.6 to 2 µg/L
- 2 to 20 µg/L
- MMR Boundary
- Roads

Note: Plume shell illustrated is representative of widest observed at each transect cross-section.
Groundwater data through November 2006.
Contour lines dashed where inferred.

LOCATION MAP



NOTES & SOURCES

Basemap data from US Geological Survey 7 1/2 minute Topographic Maps. Source: MassGIS
Aerial Photos: Color Digital Orthophotos:
Date Flown: 2002 Source: EarthData International

TITLE

Time Series Plots for RDX
Based on November 2006 Plumeshell
Northwest Corner RI/FS

0 3,000 Feet

N

US Army Corps of Engineers®
New England District

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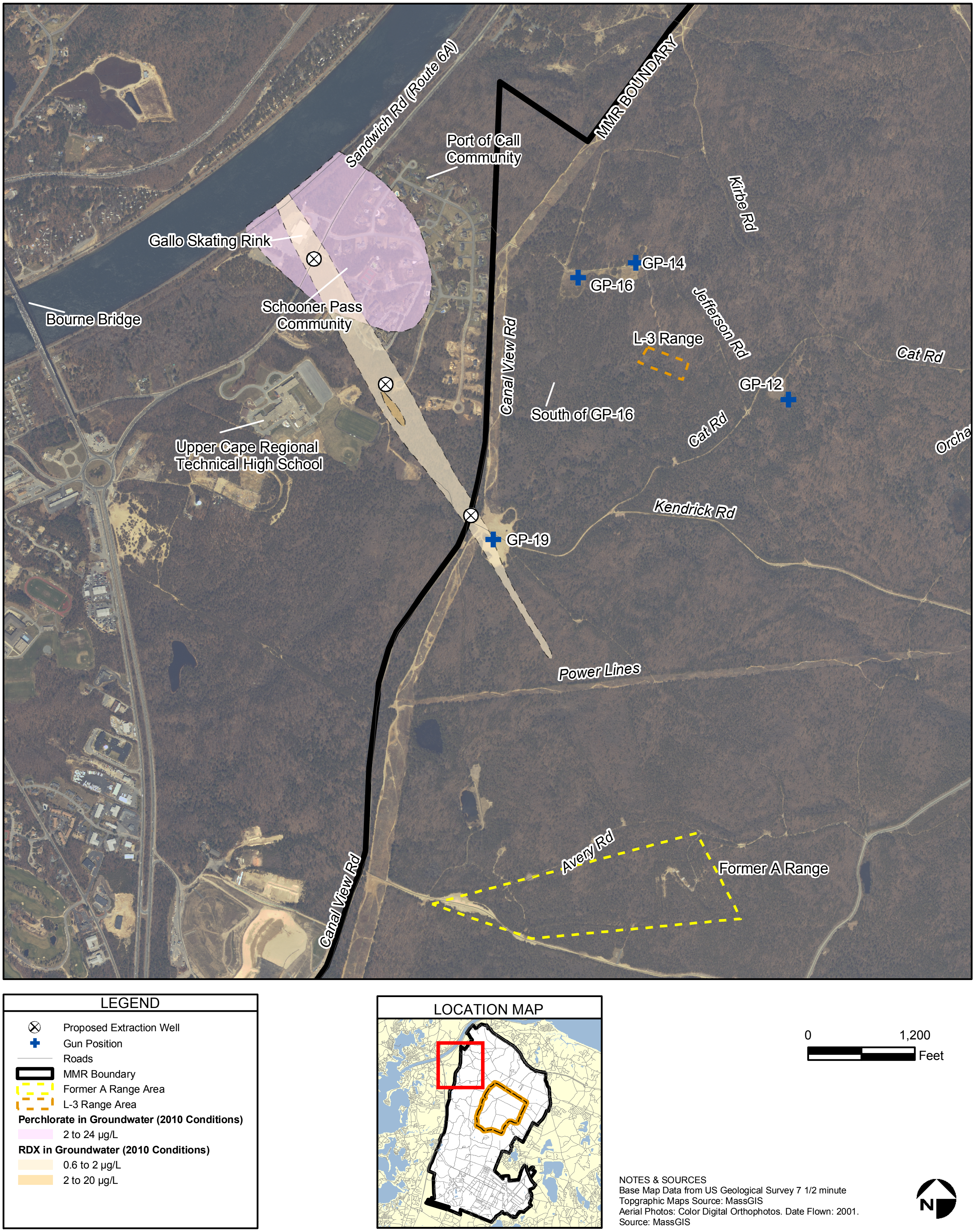
September 13, 2007 DWN: MTW CHKD: MRK SEG

FIGURE 10-27



NOTES & SOURCES
Base Map Data from US Geological Survey 7 1/2 minute Topgraphic Maps Source: MassGIS
Aerial Photos: Color Digital Orthophotos. Date Flown: 2001.
Source: MassGIS

Tetra Tech EC, Inc.
Boston, Massachusetts

Northwest Corner Site Map
Extraction Well
Configuration

FIGURE
11-1

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Impact Area
Groundwater Study Program

TABLES

Table 2-1
Groundwater Elevation Data
Northwest Corner Study Area

Well	TOC Elevation	TOS Elevation	BOS Elevation	7/17/2003 DTW	7/17/2003 GW Elevation	11/7/2003 DTW	11/7/2003 GW Elevation	2/19/2004 DTW	2/19/2004 GW Elevation	10/8/2004 DTW	10/8/2004 GW Elevation	1/13/2006 DTW	1/13/2006 GW Elevation
HW-1	35.86	0.3	-0.7	28.21	7.65	28.58	7.28	28.76	7.10			28.14	7.72
HW-2	27.48	6.74	-3.26	22.89	4.59	22.90	4.58	23.22	4.26			22.89	4.59
HW-3	27.03	7.48	-2.52	22.23	4.80	22.00	5.03	22.46	4.57				
BHW216	20.4*	-63.6	-73.6	6.3	14.10								
BHW217	20.57*	-44.43	-54.43	6.12	14.45								
BHW218	20.78*	-27.5	-37.5	5.98	14.80								
MW-65S	149.31	33.65	23.65	122.3	27.01	122.83	26.48	123.70	25.61			121.74	27.57
MW-65M2	149.36	20.65	15.65					123.65	25.71				
MW-65M1	149.29	-69.35	-79.35	122.24	27.05	122.62	26.67	123.34	25.95				
MW-66S	153.25	28.04	18.04	128.58	24.67	129.12	24.13	129.85	23.40			128.00	25.25
MW-66M2	153.2	12.94	2.94					129.79	23.41			127.97	25.23
MW-66M1	153.19	-73.96	-83.96	128.28	24.91	128.75	24.44	129.38	23.81			127.63	25.56
MW-270S	30.07	8.53	-1.47	22.49	7.58	22.76	7.31	22.40	7.67			21.89	8.18
MW-270M1	30.08	-43.47	-48.47	23.15	6.93	23.27	6.81	23.57	6.51			22.84	7.24
MW-270D	30.1	-101.65	-106.65	23.03	7.07	22.85	7.25	23.39	6.71			22.38	7.72
MW-277S	127.21	24.5	14.5	103.83	23.38	104.70	22.51	105.17	22.04			103.28	23.93
MW-277M1	127.15	-1.5	-11.5	103.77	23.38	104.65	22.50	105.15	22.00				
MW-278S	113.38	34	24	87.03	26.35			88.60	24.78			DRY	
MW-278M2	113.36	17	12	87.37	25.99	88.36	25.00	88.84	24.52				
MW-278M1	113.36	1	-9	87.35	26.01	88.34	25.02	88.81	24.55			86.73	26.63
MW-279S	102.09	37	27	70.98	31.11							69.99	32.10
MW-279M1	102.08	7	-3	70.47	31.61			70.14	31.94				
MW-279M2	102.12	20	15			71.99	30.13	71.96	30.16				
MW-283M1	12.91	-24	-34			7.51	5.40	8.91	4.00				
MW-284M2	27.93	-16.60	-26.6			23.04	4.89	23.68	4.25			22.95	4.98
MW-284M1	27.94	-86.60	-96.6			22.60	5.34	23.95	3.99			22.52	5.42
MW-287S	153.11	20.5	10.5			134.34	18.77	134.85	18.26			133.25	19.86
MW-287M1	153.03	-6.5	-16.5			134.28	18.75	134.75	18.28				
MW-297M2	77.08	5.81	-4.19					72.06	5.02			71.52	5.56
MW-297M1	77.15	-14.19	-24.19					72.14	5.01			71.54	5.61
MW-298S	124.41	42.25	32.25					86.42	37.99			82.93	41.48
MW-298M2	124.55	-48.75	-58.75					86.56	37.99			82.92	41.63
MW-298M1	123.93	-65.75	-75.75					86.94	36.99			82.92	41.01
MW-299S	133.7	36.62	26.62					97.27	36.43			93.50	40.20
MW-299M1	133.65	-17.38	-27.38					97.21	36.44				
MW-301S	131.79	35.14	25.14					98.32	33.47			95.84	35.95
MW-301M1	131.98	-87.86	-97.86					98.30	33.68				
MW-309S	45.4	14.06	4.06					34.54	10.86			33.75	11.65
MW-309M1	45.36	-18.94	-28.94					32.95	12.41				
MW-314S	30.34	7.11	-2.89					26.40	3.94			25.72	4.62
MW-314M1	30.29	-13.89	-23.89					26.45	3.84			25.65	4.64
MW-320S	136.64	23.23	13.23									113.78	22.86
MW-320M1	136.67	-0.77	-10.77										
MW-323S	108.74	36.56	25.56							74.34	34.40	71.52	37.22
MW-323M2	108.82	-10.44	-20.44									71.63	37.19
MW-323M1	108.82	-85.44	-95.44									71.63	37.19
MW-332S	141.71	23.14	13.14									119.00	22.71
MW-338S	108.88	37.29	27.29							73.83	35.05	70.99	37.89
MW-338M2	108.92	-9.71	-19.71									71.00	37.92
MW-338M1	108.94	-79.71	-89.71										
MW-344S	146.34	31.22	21.22									115.17	31.17
MW-344M2	146.38	1.72	-8.28										
MW-344M1	146.31	-23.28	-33.28									114.56	31.75
MW-350M2	122.3	-2.965	-12.965							85.03	37.27	82.19	40.11
MW-350M1	122.21	-97.965	-107.965									82.69	39.52
94-3	99.43	-42.48	-49.48	60.99	38.44	61.45	37.98	62.22	37.21			59.98	39.45
94-4	101.41	-42.39	-49.39	61	40.41	61.98	39.43	62.30	39.11				
95-6A	71.43	-98.52	-105.52	29.44	41.99	30.34	41.09	30.70	40.73				
95-6B	66.68	-50.46	-60.46	25.28	41.40	26.20	40.48	26.51	40.17				
95-6D	87.29	-49.86	-59.86	1.93	85.36	46.04	41.25	46.42	40.87				
95-6ES	85.99	48.26	38.26	43.92	42.07	44.76	41.23	45.12	40.87			42.98	43.01
95-6ED	85.53	-49.45	-59.45	43.44	42.09	44.27	41.26	44.79	40.74			42.49	43.04
95-6F	101.35	-51.09	-61.09	61	40.35	61.98	39.37	62.37	38.98				
95-7(damaged)	75.23	-29.07	-36.07	34.3	40.93								
95-13	87.43	-11	-17	50.53	36.90	51.21	36.22	52.12	35.31	52.55	34.88	49.78	37.65
95-15A	85.06	-101	-111	48.33	36.73	49.01	36.05	49.71	35.35				
95-15B	87.69	-35	-45	50.9	36.79	51.63	36.06	52.22	35.47	52.76	34.93		
95-15C	105.63	-40	-50	68.4	37.23	69.12	36.51	69.74	35.89			67.77	37.86
95-15E	115.31	-43	-53	79.18	36.13	79.94	35.37	80.60	34.71				
95-16	89.99	4	-2	51.55	38.44	52.41	37.58	52.59	37.40			51.18	38.81
CWNW01	115.04	-18.5	-31.5	92.65	22.39	94.04	21.00	93.85	21.19			92.00	23.04
CMW-1	164.96	-17	-27	122.69	42.27	123.18	41.78	123.99	40.97			121.93	43.03
												76.52	43.64
CMW-1	164.96	-17	-27	122.69	42.27	123.18	41.78	123.99	40.97			DRY	

Elevations measured in feet above Mean Sea Level

* Actual measurements on 7/21/04

Notes: TOS = Top of Screen
BOS = Bottom of Screen
DTW = Depth to Water

Table 2-2
Pyrotechnics Containing Perchlorate
Northwest Corner Study Area

ITEM	Perchlorate Component(s)	% Perchlorate	Perchlorate Weight	Perchlorate Weight (g)
Signal, Illumination Ground Red Star M187	Illumination Composition	19.40%	0.776 g	7.76E-01
Signal, Illumination Ground Green Star M189	Illumination Composition	22.80%	0.912 g	9.12E-01
Signal, Illumination Ground Green Star Parachute M195	Delay Composition	11.40%	64.98 mg	6.50E-02
Signal, Illumination Ground Green Star Parachute M195	Illumination Composition	10%	9.9 g	9.90E+00
Signal, Illumination Ground Red Star Cluster M158	Ignition Composition	75%	60 mg	6.00E-02
Signal, Illumination Ground Red Star Cluster M158	Delay Composition	11.40%	64.98 mg	6.50E-02
Signal, Illumination Ground White Star Cluster M159	Ignition Composition	75%	60 mg	6.00E-02
Signal, Illumination Ground White Star Cluster M159	Delay Composition	11.40%	64.98 mg	6.50E-02
Signal, Illumination Ground Parachute Red Star M126 & M126A1	Ignition Composition	75%	60 mg	6.00E-02
Signal, Illumination Ground Parachute Red Star M126 & M126A1	Delay Composition	11.40%	64.98 mg	6.50E-02
Signal, Illumination Ground Parachute Red Star M126 & M126A1	Illumination Composition	9.80%	8.82 g	8.82E+00
Signal, Illumination Ground Parachute White Star M127 &M127A1	Ignition Composition	75%	60 mg	6.00E-02
Signal, Illumination Ground Parachute White Star M127 &M127A1	Delay Composition	11.40%	64.98 mg	6.50E-02
Signal, Illumination Ground Green Star Cluster M125A1	Ignition Composition	75%	60 mg	6.00E-02
Signal, Illumination Ground Green Star Cluster M125A1	Delay Composition	11.40%	64.98 mg	6.50E-02
Simulator, Launcher Anti-Tank Weapons M22 (ATWESS)	Pellet Assy.First Fire Composition	75%	1.02 g	1.02E+00
Smoke Pot, Floating HC M4A2	Delay Assy.Composition	29.50%	4.425 mg	4.43E-03
Signal, Illumination Red Star M131	Red Star Composition	20.40%	9.384 g	9.38E+00
Signal, Illumination Red Star M131	First Fire Composition	13.66%	0.5464 g	5.46E-01
Signal Kit Personnel Distress Mixed M186	Red Flare Illumination Composition	19.40%	0.776 g	7.76E-01
Signal Kit Personnel Distress Mixed M186	Green Flare Illumination Composition	22.80%	0.912 g	9.12E-01
Signal, Smoke and Illumination Marine MK13 MOD0	Flare Composition	25%		
Signal, Illumination Red/RedM37A1	Star Charge Red	24%	0.3984 oz	1.13E+01
Signal, Illumination Yellow/YellowM38A1	Star Charge Yellow	15%	0.249 oz	7.06E+00
Signal, Illumination Red/Yellow M40A1	Star Charge Red	24%	0.249 oz	7.06E+00
Signal, Illumination Red/Yellow M40A1	Star Charge Yellow	15%	0.3984 oz	1.13E+01
Signal, Illumination Red/Green M41A1	Star Charge Red	24%	0.249 oz	7.06E+00
Signal, Illumination Red/Green M41A1	Star Charge Green	12%	0.258 oz	7.31E+00
Simulator, Detonation Explosive M80	Component Charge	64%	1.92 g	1.92E+00
Simulator, Flash Artillery M110	Flash Composition	35%	29.75 g	2.98E+01
Simulator, Projectile Ground Burst M115A2	Flash Composition	57.50%	1.3255 g	1.33E+00
Simulator, Projectile Ground Burst M115A2	Whistle Composition	57.50%	1.15 g	1.15E+00
Simulator, Hand grenade M116A1	Photoflash Charge	40%	0.12 oz	3.40E+00
Simulator, Booby Trap Flash M117	Flash Composition	50%	1.25 g	1.25E+00
Simulator, Booby Trap Illuminating M118	Flare Composition	80%	4 g	4.00E+00

Table 2-2
Pyrotechnics Containing Perchlorate
Northwest Corner Study Area

ITEM	Perchlorate Component(s)	% Perchlorate	Perchlorate Weight	Perchlorate Weight (g)
Simulator, Booby Trap Whistle M119A1	Whistle Composition	69%	2.415 g	2.42E+00
Grenade, Hand Smoke HC AN-M8	Fuze M201A1Ignition Composition	29.50%	4.425 mg	4.43E-03
Grenade, Hand Smoke Green M18	Fuze M201A1Ignition Composition	29.50%	4.425 mg	4.43E-03
Grenade, Hand Smoke Red M18	Fuze M201A1Ignition Composition	29.50%	4.425 mg	4.43E-03
Grenade, Hand Smoke Yellow M18	Fuze M201A1Ignition Composition	29.50%	4.425 mg	4.43E-03
Grenade, Hand Riot CN M7, M7A1, M7A2	Fuze M201A1Ignition Composition	29.50%	4.425 mg	4.43E-03
Grenade, Hand Smoke Violet M18	Fuze M201A1Ignition Composition	29.50%	4.425 mg	4.43E-03
Grenade, Rifle Smoke Red, Green, Violet M23A1	Ignition Assy. Powder Non-Gaseous	51%	2.295 g	2.30E+00

Table 3-1
Soil Sampling Events
Northwest Corner Study Area

Event	GP-12	GP-14	GP-16	GP-19	L-3 Range	Canal View Rd	Area South of GP-16
Phase I and II(a) Investigations (1998-2001)	Phase I Analytes	Phase I Analytes	Phase I Analytes	Phase I Analytes			
June 2002			Perchlorate				
July 2003*						Perchlorate	
September/October 2003				Perchlorate		Perchlorate	Perchlorate
December 2003						SVOC Dyes	SVOC Dyes
Project Note 2 (August/October 2004)	Perchlorate SVOCs	Perchlorate SVOCs		Perchlorate	Perchlorate SVOCs Metals	Perchlorate Explosives Metals	Perchlorate Explosives Metals
2008 MIS Sampling						Perchlorate	Perchlorate

Notes:
1) Phase I analytes include explosives, metals, VOCs, SVOCs, pesticide/herbicides, cyanide, phosphorus, nitrogen as ammonia, and nitrate/nitrite.
2) Not all soil grids in each area were sampled during each event. See text for details.

Table 3-2
Well Construction and Groundwater Elevation Data
Northwest Corner Study Area

Well ID	Ground Surface Elevation (ft MSL)	Bedrock Elevation (ft MSL)	TOC Elevation (ft MSL)	Screen Length (ft)	TOS Elevation (ft MSL)	BOS Elevation (ft MSL)	Total Depth (feet)
4036011	122						
4036009DC	35.31	-106.97				-53.69	89
94-3	97.52		99.43	7	-42.48	-49.48	147
94-4	99.61		101.41	7	-42.39	-49.39	149
95-13	86.6		87.43	6	-11	-17	105
95-15	84.09		84.18	12	-41.91	-53.91	138
95-15A	85.06	-114.94	85.06	10	-101	-111	196.5
95-15B	85.36		87.69	10	-35	-45	130
95-15C	103.38		105.63	10	-40	-50	155
95-15E	112.27		115.31	10	-43	-53	165
95-16	88.34		89.99	6	4	-2	90
95-6A	68.98	-116.02	71.43	7	-98.52	-105.52	174.5
95-6B	64.54		66.68	10	-50.46	-60.46	125
95-6D	85.14		87.29	10	-49.86	-59.86	145
95-6ED	82.55		85.53	10	-49.45	-59.45	142
95-6ES	82.96		85.99	10	48.26	38.26	44.7
95-6F	98.91		101.35	10	-51.09	-61.09	160
95-7(damaged)	75.93		75.23	7	-29.07	-36.07	112
BHW216	20.5*	-100	20.4*	10	-63.6	-73.6	94
BHW217	20.5*	-100	20.57*	10	-44.43	-54.43	75
BHW218	20.5*	-100	20.78*	10	-27.5	-37.5	58
BHW220	20.5*	-100	20.82*	10	8.5	-1.5	22
CMW-1	163		164.96	10	-17	-27	190
CWNW01	113.5		115.04	13	-18.5	-31.5	
HW-1	36.3		35.86	10	0.3	-0.7	37
HW-2	27.74		27.48	10	6.74	-3.26	31
HW-3	27.48		27.03	10	7.48	-2.52	30
MW-270D	30.53	-106.97	30.1	5	-101.65	-106.65	137
MW-270M1	30.53	-106.97	30.08	5	-43.47	-48.47	79
MW-270S	30.53	-106.97	30.07	10	8.53	-1.47	52
MW-277M1	127.73	-119	127.15	10	-1.5	-11.5	139.5
MW-277S	127.73	-119	127.21	10	24.5	14.5	113.5
MW-278M1	114	-112	113.36	10	1	-9	123
MW-278M2	114	-112	113.36	5	17	12	102
MW-278S	114	-112	113.38	10	34	24	90
MW-279M1	102.68	-121	102.08	5	7	-3	105.68
MW-279M2	102.68	-121	102.12	5	20	15	87.68
MW-279S	102.68	-121	102.09	10	37	27	75.68
MW-283M1	13.63	-131	12.91	10	-24	-34	144.6
MW-284M1	28.40	-118	27.94	10	-86.60	-96.6	125
MW-284M2	28.40	-118	27.93	10	-16.60	-26.6	146.5
MW-287M1	153.5	-125.5	153.03	10	-6.5	-16.5	170
MW-287S	153.5	-125.5	153.11	10	20.5	10.5	143
MW-297M1	77.81		77.15	10	-14.19	-24.19	102
MW-297S	77.81		77.08	10	5.81	-4.19	82
MW-298M1	125.25		123.93	10	-65.75	-75.75	201
MW-298M2	125.25		124.55	10	-48.75	-58.75	184
MW-298S	125.25		124.41	10	42.25	32.25	93
MW-299M1	132.62		133.65	10	-17.38	-27.38	160
MW-299S	132.62		133.7	10	36.62	26.62	106
MW-301M1	132.14		131.98	10	-87.86	-97.86	230
MW-301S	132.14		131.79	10	35.14	25.14	107
MW-309M1	46.06		45.36	10	-18.94	-28.94	75

Table 3-2
Well Construction and Groundwater Elevation Data
Northwest Corner Study Area

Well ID	Ground Surface Elevation	Bedrock Elevation	TOC Elevation	Screen Length	TOS Elevation	BOS Elevation	Total Depth (feet)
MW-309S	46.06		45.4	10	14.06	4.06	42
MW-314M1	31.11		30.29	10	-13.89	-23.89	55
MW-314S	31.11		30.34	10	7.11	-2.89	34
MW-320M1	137.23		136.67	10	-0.77	-10.77	148
MW-320S	137.23		136.64	10	23.23	13.23	124
MW-323M1	109.56		108.82	10	-85.44	-95.44	205
MW-323M2	109.56		108.82	10	-10.44	-20.44	130
MW-323S	109.56		108.74	10	36.56	25.56	84
MW-332S	142.14		141.71	10	23.14	13.14	129
MW-338M1	109.29		108.94	10	-79.71	-89.71	199
MW-338M2	109.29		108.92	10	-9.71	-19.71	129
MW-338S	109.29		108.88	10	37.29	27.29	82
MW-344M1	146.72		146.31	10	-23.28	-33.28	180
MW-344M2	146.72		146.38	10	1.72	-8.28	155
MW-344S	146.72		146.34	10	31.22	21.22	125.5
MW-350M1	123.035		122.21	10	-97.965	-107.965	231
MW-350M2	123.035		122.3	10	-2.965	-12.965	136
MW-441M1				10	204.6	214.63	
MW-441M2				10	109.5	119.45	
MW-65M1	149.65		149.29	10	-69.35	-79.35	220
MW-65M2	149.65		149.36	5	20.65	15.65	134
MW-65S	149.65		149.31	10	33.65	23.65	126
MW-66M1	153.74		153.19	10	-73.96	-83.96	237.7
MW-66M2	153.74		153.2	10	12.94	2.94	150.8
MW-66S	153.74		153.25	10	28.04	18.04	135.7
RSNW01	100						
RSNW02	110						
RSNW03	74						
RSNW04	18						
RSNW05	18						
RSNW06	63						

* Based on survey data from USGS - does not appear to be accurate.

Notes:

GS = Ground Surface

TOC = Top of Casing

TOS = Top of Screen

BOS = Bottom of Screen

ft MSL = feet above Mean Sea Level

Table 3-3
Well Installation Rationale
Northwest Corner Study Area

WELL	Rationale for Well Location	WELL ID	Screen Depth Rationale
MW-270	1) Assess vertical profile of perchlorate observed in 4036009DC	MW-270S	water table
		MW-270M1	depth of maximum perchlorate concentration in profile samples
		MW-270D	maximum depth of perchlorate detections in profile samples
MW-277	1) Along reverse particle track (MMR-9) from RSNW03	MW-277S	water table
		MW-277M1	depth of maximum perchlorate concentration in profile samples
MW-278	1) Along reverse particle track (MMR-9) from 4036009DC	MW-278S	water table
		MW-278M2	depth of maximum perchlorate concentration in profile samples
		MW-278M1	maximum depth of perchlorate detections in profile samples
MW-279	1) Along reverse particle track (MMR-9) from 4036011	MW-279S	water table
		MW-279M2	same interval as MW-278M2
		MW-279M1	maximum depth of perchlorate detections in profile samples
MW-283	1) Assess lateral extent of contamination in MW-270	MW-283M1	depth of maximum perchlorate concentration in profile samples
MW-284	1) Assess lateral extent of contamination in MW-270	MW-284M2	depth of maximum perchlorate concentration in profile samples
		MW-284M1	depth of maximum RDX concentration in profile samples
MW-287	1) Assess lateral extent of perchlorate contamination	MW-287S	water table
	2) Downgradient of MW-66	MW-287M1	maximum depth of perchlorate detections in profile samples
MW-297	1) Assess lateral extent of contamination in MW-284	MW-297S	depth of maximum perchlorate concentration in profile samples
	2) Generally downgradient of RSNW01 and along forward particle track from MW777	MW-297M1	maximum depth of perchlorate detections in profile samples
MW-298	1) Assess the upgradient extent of perchlorate east of Canal View Road	MW-298S	water table
		MW-298M2	along reverse particle track from MW-284M1
		MW-298M1	maximum depth of perchlorate detections in profile samples
MW-299	1) Assess the upgradient extent of perchlorate east of Canal View Road	MW-299S	water table; 2,4-DNT in profile sample
		MW-299M1	RDX detection in profile sample
MW-301	1) Adjacent to highest perchlorate in soil during 7/03 soil sampling event	MW-301S	water table; perchlorate detection
		MW-301M1	depth of maximum perchlorate concentration in profile samples
MW-309	1) Assess downgradient extent of perchlorate plume to the south	MW-309S	water table; perchlorate detection
		MW-309M1	depth of maximum perchlorate concentration in profile samples
MW-314	1) Along forward particle track from MW-287S	MW-314S	water table; perchlorate detection
	2) Assess northeastern extent of perchlorate plume along Canal	MW-314M1	maximum depth of perchlorate detections in profile samples
MW-320	1) Assess the northeastern extent of the plume at the northern limits of the source area	MW-320S	water table; perchlorate detection
		MW-320M1	maximum depth of perchlorate detections in profile samples
MW-323	1) Upgradient of MW-270; Assess why perchlorate seen in entire column at MW-270	MW-323S	water table; maximum perchlorate detection
	2) Assess southern extent of the perchlorate plume	MW-323M2	depth of maximum RDX concentration in profile samples
	3) Define distribution of RDX	MW-323M1	maximum depth of RDX detections in profile samples
MW-332	1) Bound the perchlorate plume to the north	MW-332S	water table; only perchlorate detection
BH-333	1) Bound the Northwest Corner perchlorate plume to the south 2) Assess the extent of RDX detected in MW-323	-	no perchlorate or RDX detections - no screen set
MW-338	1) Bound the Northwest Corner perchlorate plume to the south	MW-338S	water table; only perchlorate detection
	2) Assess the extent of RDX detected in MW-323	MW-338M2	same interval as MW-323; no RDX
		MW-338M1	same interval as MW-323; no RDX
MW-344	1) Bound the Northwest Corner perchlorate plume to the northeast	MW-344S	water table; perchlorate detection
	2) Monitor impacts (if any) from activities conducted at the L-3 Range	MW-344M2	perchlorate detection in profile sample
		MW-344M1	perchlorate detection in profile sample
MW-350	1) Along reverse particle track from MW-323	MW-350M2	along reverse particle track from MW-323M2
		MW-350M1	maximum depth of perchlorate detections in profile samples
MW-441	1) Along reverse particle track from MW-350	MW-441M2	highest concentrations of perchlorate and RDX detections in profile samples
		MW-441M1	maximum depth of perchlorate and RDX detections in profile samples

Table 3-4
Drivepoint Well Summary
Northwest Corner Study Area

Proposed Location	Well ID	Total Depth (ft bgs)	Depth to Water Table (ft bgs)	Deepest Profile Interval (ft bwt)
CP-32A1	DP-374	156	80	71-76
CP-32B1	DP-373	191	81	102.5-107.5
CP-32C1	DP-375	217	82	120-125
CP-32D1	DP-376	140	77	58-63
CP-32E1	DP-395		-	NS
CP-32F1	DP-394	120	82	33-38
CP-32G1	DP-396	100	-	NS
CP-32H1	DP-397	104	-	NS
NWP-21	DP-405	113	80	27.5-37.5

Table 4-1
Perchlorate Analytical Results - Soil
Northwest Corner Study Area

SAMPLE ID	LOCID	DATE SAMPLED	SBD	SED	VAL	METHOD	ANALYTE	CONC		UNITS
Gun Position GP-12										
HC62A1AAA	62A	8/13/2004	0	0.5	II	E314.0	{ND on all 1} analytes			
HC62A1BAA	62A	8/13/2004	1.5	2	II	E314.0	{ND on all 1} analytes			
HC62B1AAA	62B	8/17/2004	0	0.5	II	E314.0	{ND on all 1} analytes			
HC62B1BAA	62B	8/17/2004	1.5	2	II	E314.0	{ND on all 1} analytes			
HC62C1AAA	62C	8/13/2004	0	0.5	II	E314.0	{ND on all 1} analytes			
HC62C1BAA	62C	8/13/2004	1.5	2	II	E314.0	{ND on all 1} analytes			
HC62D1AAA	62D	8/13/2004	0	0.5	II	E314.0	{ND on all 1} analytes			
HC62D1BAA	62D	8/13/2004	1.5	2	II	E314.0	{ND on all 1} analytes			
HC62E1AAD	62E	8/16/2004	0	0.5	II	E314.0	{ND on all 1} analytes			
HC62E1BAA	62E	8/16/2004	1.5	2	II	E314.0	{ND on all 1} analytes			
HC62F1AAA	62F	8/16/2004	0	0.5	II	E314.0	{ND on all 1} analytes			
HC62F1BAA	62F	8/16/2004	1.5	2	II	E314.0	{ND on all 1} analytes			
HC62G1AAA	62G	8/17/2004	0	0.5	II	E314.0	{ND on all 1} analytes			
HC62G1BAA	62G	8/17/2004	1.5	2	II	E314.0	{ND on all 1} analytes			
HC62H1AAA	62H	8/16/2004	0	0.5	II	E314.0	{ND on all 1} analytes			
HC62H1BAA	62H	8/16/2004	1.5	2	II	E314.0	{ND on all 1} analytes			
Gun Position GP-14										
HC54D1AAD	54D	8/10/2004	0	0.5	3	E314.0	{ND on all 1} analytes			
HC54D1BAA	54D	8/10/2004	1.5	2	3	E314.0	{ND on all 1} analytes			
HC54E1AAA	54E	8/10/2004	0	0.5	II	E314.0	{ND on all 1} analytes			
HC54E1BAA	54E	8/10/2004	1.5	2	II	E314.0	{ND on all 1} analytes			
HC54F1AAA	54F	8/11/2004	0	0.5	II	E314.0	{ND on all 1} analytes			
HC54F1BAA	54F	8/11/2004	1.5	2	II	E314.0	{ND on all 1} analytes			
HC54G1AAA	54G	8/11/2004	0	0.5	II	E314.0	{ND on all 1} analytes			
HC54G1BAA	54G	8/11/2004	1.5	2	II	E314.0	{ND on all 1} analytes			
HC54H1AAA	54H	8/11/2004	0	0.5	II	E314.0	{ND on all 1} analytes			
HC54H1BAA	54H	8/11/2004	1.5	2	II	E314.0	{ND on all 1} analytes			
HC54I1AAD	54I	8/11/2004	0	0.5	II	E314.0	{ND on all 1} analytes			
HC54I1BAA	54I	8/11/2004	1.5	2	II	E314.0	{ND on all 1} analytes			
HC54J1AAA	54J	8/11/2004	0	0.5	II	E314.0	{ND on all 1} analytes			
HC54J1BAA	54J	8/11/2004	1.5	2	II	E314.0	{ND on all 1} analytes			
HC54K1AAA	54K	8/11/2004	0	0.5	II	E314.0	{ND on all 1} analytes			
HC54K1BAA	54K	8/11/2004	1.5	2	II	E314.0	{ND on all 1} analytes			
HC54L1AAA	54L	8/12/2004	0	0.5	II	E314.0	{ND on all 1} analytes			
HC54L1BAA	54L	8/12/2004	1.5	2	II	E314.0	{ND on all 1} analytes			
HC54M1AAA	54M	8/12/2004	0	0.5	II	E314.0	{ND on all 1} analytes			
HC54M1BAA	54M	8/12/2004	1.5	2	II	E314.0	{ND on all 1} analytes			
HC54N1AAA	54N	8/10/2004	0	0.5	II	E314.0	{ND on all 1} analytes			
HC54N1BAA	54N	8/10/2004	1.5	2	II	E314.0	{ND on all 1} analytes			
HC54O1AAD	54O	8/12/2004	0	0.5	II	E314.0	{ND on all 1} analytes			
HC54O1BAA	54O	8/12/2004	1.5	2	II	E314.0	{ND on all 1} analytes			
Gun Position GP-16										
HC16A1AAA	16A	5/13/2002	0	0.5	II	E314.0	{ND on all 1} analytes			
HC16A1BAA	16A	5/13/2002	1.5	2	II	E314.0	{ND on all 1} analytes			
HC16B1AAD	16B	5/13/2002	0	0.5	II	E314.0	PERCHLORATE	3.94	J	UG/KG
HC16B1BAA	16B	5/13/2002	1.5	2	II	E314.0	{ND on all 1} analytes			
HC16C1AAA	16C	5/14/2002	0	0.5	II	E314.0	{ND on all 1} analytes			
HC16C1BAA	16C	5/14/2002	1.5	2	II	E314.0	PERCHLORATE	2.78	J	UG/KG
HC16J1AAA	16J	5/14/2002	0	0.5	II	E314.0	{ND on all 1} analytes			
HC16J1BAA	16J	5/14/2002	1.5	2	II	E314.0	{ND on all 1} analytes			
HC16K1AAA	16K	5/14/2002	0	0.5	II	E314.0	{ND on all 1} analytes			
HC16K1BAA	16K	5/14/2002	1.5	2	II	E314.0	PERCHLORATE	1.6	J	UG/KG
HC16P1AAA	16P	5/14/2002	0	0.5	II	E314.0	PERCHLORATE	1.2	J	UG/KG
HC16P1BAD	16P	5/14/2002	1.5	2	II	E314.0	{ND on all 1} analytes			
HC16Q1AAA	16Q	5/14/2002	0	0.5	II	E314.0	{ND on all 1} analytes			
HC16Q1BAA	16Q	5/14/2002	1.5	2	II	E314.0	PERCHLORATE	4.19		UG/KG

Table 4-1
Perchlorate Analytical Results - Soil
Northwest Corner Study Area

SAMPLE ID	LOCID	DATE SAMPLED	SBD	SED	VAL	METHOD	ANALYTE	CONC		UNITS
Gun Position GP-19										
HC66A1AAA	66A	9/25/2003	0	0.5	II	E314.0	{ND on all 1} analytes			
HC66A1BAA	66A	9/25/2003	1.5	2	II	E314.0	{ND on all 1} analytes			
HC66B1AAA	66B	9/25/2003	0	0.5	II	E314.0	{ND on all 1} analytes			
HC66B1BAA	66B	9/25/2003	1.5	2	II	E314.0	{ND on all 1} analytes			
HC66D1AAA	66D	9/25/2003	0	0.5	II	E314.0	{ND on all 1} analytes			
HC66D1BAA	66D	9/25/2003	1.5	2	II	E314.0	{ND on all 1} analytes			
HC66E1AAA	66E	9/26/2003	0	0.5	II	E314.0	{ND on all 1} analytes			
HC66E1BAA	66E	9/26/2003	1.5	2	II	E314.0	{ND on all 1} analytes			
HC66F1AAD	66F	9/25/2003	0	0.5	II	E314.0	{ND on all 1} analytes			
HC66F1BAA	66F	9/25/2003	1.5	2	II	E314.0	{ND on all 1} analytes			
HC66G1AAA	66G	9/26/2003	0	0.5	II	E314.0	{ND on all 1} analytes			
HC66G1BAA	66G	9/26/2003	1.5	2	II	E314.0	{ND on all 1} analytes			
HC66H1AAA	66H	9/26/2003	0	0.5	II	E314.0	{ND on all 1} analytes			
HC66H1BAA	66H	9/26/2003	1.5	2	II	E314.0	{ND on all 1} analytes			
HC66I1AAA	66I	9/29/2003	0	0.5	II	E314.0	{ND on all 1} analytes			
HC66I1BAA	66I	9/29/2003	1.5	2	II	E314.0	{ND on all 1} analytes			
HC66K1AAA	66K	9/26/2003	0	0.5	II	E314.0	{ND on all 1} analytes			
HC66K1BAA	66K	9/26/2003	1.5	2	II	E314.0	{ND on all 1} analytes			
HC66L1AAA	66L	9/29/2003	0	0.5	II	E314.0	{ND on all 1} analytes			
HC66L1BAA	66L	9/29/2003	1.5	2	II	E314.0	{ND on all 1} analytes			
HC66M1AAD	66M	9/29/2003	0	0.5	II	E314.0	{ND on all 1} analytes			
HC66M1BAA	66M	9/29/2003	1.5	2	II	E314.0	{ND on all 1} analytes			
HC66N1AAA	66N	9/29/2003	0	0.5	II	E314.0	{ND on all 1} analytes			
HC66N1BAA	66N	9/29/2003	1.5	2	II	E314.0	{ND on all 1} analytes			
HC66Q1AAA	66Q	9/30/2003	0	0.5	II	E314.0	{ND on all 1} analytes			
HC66Q1BAA	66Q	9/30/2003	1.5	2	II	E314.0	{ND on all 1} analytes			
HD66R1AAA	66R	9/30/2003	0	0.5	II	E314.0	{ND on all 1} analytes			
HD66S1AAD	66S	9/30/2003	0	0.5	II	E314.0	{ND on all 1} analytes			
HD66T1AAA	66T	9/30/2003	0	0.5	II	E314.0	{ND on all 1} analytes			
HD66U1AAA	66U	9/30/2003	0	0.5	II	E314.0	PERCHLORATE	4.83		UG/KG
HD66UA1AAA	66UA	8/10/2004	0	0.5	3	E314.0	{ND on all 1} analytes			
HD66UA1BAA	66UA	8/10/2004	3	3	3	E314.0	{ND on all 1} analytes			
HD66UB1AAD	66UB	8/10/2004	0	0.5	3	E314.0	{ND on all 1} analytes			
HD66UB1BAA	66UB	8/10/2004	3	3	3	E314.0	{ND on all 1} analytes			
HD66UC1AAA	66UC	8/10/2004	0	0.5	3	E314.0	{ND on all 1} analytes			
HD66UC1BAA	66UC	8/10/2004	3	3	3	E314.0	{ND on all 1} analytes			
HD66UD1AAA	66UD	8/9/2004	0	0.5	3	E314.0	{ND on all 1} analytes			
HD66UD1BAA	66UD	8/9/2004	3	3	3	E314.0	{ND on all 1} analytes			
HD66V1AAA	66V	9/30/2003	0	0.5	II	E314.0	{ND on all 1} analytes			
HD66W1AAA	66W	9/30/2003	0	0.5	II	E314.0	{ND on all 1} analytes			
HC66X1AAA	66X	9/18/2003	0	0.5	II	E314.0	{ND on all 1} analytes			
HC66X1BAA	66X	9/18/2003	1.5	2	II	E314.0	{ND on all 1} analytes			
Area 199 - Area Along Canal View Road										
HD199A1AAA	199A	7/2/2003	0	0.08	II	E314.0	{ND on all 1} analytes			
HD199A1AAA	199A	7/7/2003	0	0.08	II	E314.0	{ND on all 1} analytes			
HD199B1AAA	199B	7/2/2003	0	0.08	II	E314.0	PERCHLORATE	4.28		UG/KG
HD199B1AAA	199B	7/7/2003	0	0.08	II	E314.0	PERCHLORATE	2.82	J	UG/KG
HD199B1AAD	199B	7/7/2003	0	0.08	II	E314.0	PERCHLORATE	3	J	UG/KG
HD199C1AAA	199C	7/2/2003	0	0.08	II	E314.0	{ND on all 1} analytes			
HD199C1AAA	199C	7/7/2003	0	0.08	II	E314.0	{ND on all 1} analytes			
HD199D1AAA	199D	7/2/2003	0	0.08	II	E314.0	{ND on all 1} analytes			
HD199D1AAA	199D	7/7/2003	0	0.08	II	E314.0	PERCHLORATE	202		UG/KG
HD199E1AAA	199E	7/2/2003	0	0.08	II	E314.0	{ND on all 1} analytes			
HD199E1AAA	199E	7/7/2003	0	0.08	II	E314.0	PERCHLORATE	1330		UG/KG
HD199E1AAD	199E	7/2/2003	0	0.08	II	E314.0	{ND on all 1} analytes			
HD199F1AAA	199F	7/2/2003	0	0.08	3	E314.0	{ND on all 1} analytes			

Table 4-1
Perchlorate Analytical Results - Soil
Northwest Corner Study Area

SAMPLE ID	LOCID	DATE SAMPLED	SBD	SED	VAL	METHOD	ANALYTE	CONC		UNITS
HD199F1AAA	199F	7/7/2003	0	0.08	3	E314.0	PERCHLORATE	1260		UG/KG
HD199G1AAA	199G	7/2/2003	0	0.08	3	E314.0	{ND on all 1} analytes			
HD199G1AAA	199G	7/7/2003	0	0.08	3	E314.0	PERCHLORATE	7560		UG/KG
HD199H1AAA	199H	7/2/2003	0	0.08	3	E314.0	PERCHLORATE	3.88	J	UG/KG
HD199H1AAA	199H	7/7/2003	0	0.08	3	E314.0	PERCHLORATE	2.96	J	UG/KG
HD199I1AAA	199I	7/2/2003	0	0.08	3	E314.0	{ND on all 1} analytes			
HD199I1AAA	199I	7/7/2003	0	0.08	3	E314.0	PERCHLORATE	4.48	J	UG/KG
HD199J1AAA	199J	7/2/2003	0	0.08	II	E314.0	{ND on all 1} analytes			
HD199J1AAA	199J	7/7/2003	0	0.08	II	E314.0	{ND on all 1} analytes			
HC199B1AAA	199B	9/24/2003	0	0.5	II	E314.0	{ND on all 1} analytes			
HC199B1BAA	199B	9/24/2003	1.5	2	II	E314.0	{ND on all 1} analytes			
HC199E1AAA	199E	9/23/2003	0	0.5	II	E314.0	{ND on all 1} analytes			
HC199E1AAD	199E	8/9/2004	0	0.5	II	E314.0	{ND on all 1} analytes			
HD199E1AAA	199E	8/9/2004	0	0.08	II	E314.0	{ND on all 1} analytes			
HC199E1BAA	199E	9/23/2003	1.5	2	II	E314.0	PERCHLORATE	5.28		UG/KG
HC199E1BAA	199E	8/9/2004	1.5	2	II	E314.0	PERCHLORATE	2.95	J	UG/KG
HC199G1AAD	199G	9/18/2003	0	0.5	II	E314.0	PERCHLORATE	18.3		UG/KG
HC199G1AAA	199G	8/9/2004	0	0.5	3	E314.0	{ND on all 1} analytes			
HD199G1AAA	199G	8/9/2004	0	0.08	3	E314.0	{ND on all 1} analytes			
HC199G1BAA	199G	9/18/2003	1.5	2	II	E314.0	{ND on all 1} analytes			
HC199G1BAA	199G	8/9/2004	1.5	2	3	E314.0	{ND on all 1} analytes			
HC199K1AAA	199K	9/23/2003	0	0.5	II	E314.0	{ND on all 1} analytes			
HC199K1BAA	199K	9/23/2003	1.5	2	II	E314.0	{ND on all 1} analytes			
HC199L1AAA	199L	9/18/2003	0	0.5	II	E314.0	{ND on all 1} analytes			
HC199L1BAA	199L	9/18/2003	1.5	2	II	E314.0	{ND on all 1} analytes			
HC199M1AAA	199M	9/23/2003	0	0.5	II	E314.0	PERCHLORATE	63.8		UG/KG
HC199M1BAA	199M	9/23/2003	1.5	2	II	E314.0	PERCHLORATE	8.39		UG/KG
HC199N1AAD	199N	9/23/2003	0	0.5	II	E314.0	PERCHLORATE	13.2		UG/KG
HC199N1BAA	199N	9/23/2003	1.5	2	II	E314.0	PERCHLORATE	5.26		UG/KG
HC199O1AAA	199O	9/24/2003	0	0.5	II	E314.0	{ND on all 1} analytes			
HC199O1BAA	199O	9/24/2003	1.5	2	II	E314.0	{ND on all 1} analytes			
HC199P1AAA	199P	9/24/2003	0	0.5	II	E314.0	{ND on all 1} analytes			
HC199P1BAA	199P	9/24/2003	1.5	2	II	E314.0	{ND on all 1} analytes			
HC199Q1AAA	199Q	9/24/2003	0	0.5	II	E314.0	{ND on all 1} analytes			
HC199Q1BAA	199Q	9/24/2003	1.5	2	II	E314.0	{ND on all 1} analytes			
HC199R1AAA	199R	9/30/2003	0	0.5	II	E314.0	{ND on all 1} analytes			
HC199R1BAA	199R	9/30/2003	1.5	2	II	E314.0	{ND on all 1} analytes			
Area 200 - Area South of GP-16										
HC200A1AAA	200A	10/1/2003	0	0.5	II	E314.0	PERCHLORATE	28.8		UG/KG
HC200A1AAA	200A	8/24/2004	0	0.5	3	E314.0	{ND on all 1} analytes			
HC200A1BAA	200A	10/1/2003	1.5	2	II	E314.0	{ND on all 1} analytes			
HC200A1BAA	200A	8/24/2004	1.5	2	3	E314.0	{ND on all 1} analytes			
HC200B1AAD	200B	10/1/2003	0	0.5	II	E314.0	PERCHLORATE	8.46		UG/KG
HC200B1BAA	200B	10/1/2003	1.5	2	II	E314.0	PERCHLORATE	3.49	J	UG/KG
HC200C1AAA	200C	10/1/2003	0	0.5	II	E314.0	PERCHLORATE	6.07		UG/KG
HC200C1BAA	200C	10/1/2003	1.5	2	II	E314.0	{ND on all 1} analytes			
HC200D1AAA	200D	10/1/2003	0	0.5	II	E314.0	PERCHLORATE	10.9		UG/KG
HC200D1BAA	200D	10/1/2003	1.5	2	II	E314.0	PERCHLORATE	2.31	J	UG/KG
L-3 Range										
HC208A1AAA	208A	8/19/2004	0	0.5	II	E314.0	{ND on all 1} analytes			
HC208A1BAA	208A	8/19/2004	1.5	2	II	E314.0	PERCHLORATE	2.43	J	UG/KG
HC208B1AAA	208B	8/19/2004	0	0.5	II	E314.0	{ND on all 1} analytes			
HC208B1BAA	208B	8/19/2004	1.5	2	II	E314.0	{ND on all 1} analytes			
HC208C1AAA	208C	8/19/2004	0	0.5	II	E314.0	{ND on all 1} analytes			
HC208C1BAA	208C	8/19/2004	1.5	2	II	E314.0	{ND on all 1} analytes			
HC208D1AAA	208D	8/19/2004	0	0.5	II	E314.0	{ND on all 1} analytes			
HC208D1BAA	208D	8/19/2004	1.5	2	II	E314.0	{ND on all 1} analytes			

Table 4-1
Perchlorate Analytical Results - Soil
Northwest Corner Study Area

SAMPLE ID	LOCID	DATE SAMPLED	SBD	SED	VAL	METHOD	ANALYTE	CONC		UNITS
HC208E1AAA	208E	8/20/2004	0	0.5	II	E314.0	{ND on all 1} analytes			
HC208E1BAA	208E	8/20/2004	1.5	2	II	E314.0	{ND on all 1} analytes			
HC208F1AAA	208F	8/20/2004	0	0.5	II	E314.0	{ND on all 1} analytes			
HC208F1BAA	208F	8/20/2004	1.5	2	II	E314.0	{ND on all 1} analytes			
HC208G1AAA	208G	8/20/2004	0	0.5	3	E314.0	{ND on all 1} analytes			
HC208G1BAA	208G	8/20/2004	1.5	2	3	E314.0	{ND on all 1} analytes			
HC208H1AAD	208H	8/20/2004	0	0.5	II	E314.0	{ND on all 1} analytes			
HC208H1BAA	208H	8/20/2004	1.5	2	II	E314.0	{ND on all 1} analytes			
HC208I1AAD	208I	8/17/2004	0	0.5	II	E314.0	{ND on all 1} analytes			
HC208I1BAA	208I	8/17/2004	1.5	2	II	E314.0	{ND on all 1} analytes			
HC208J1AAA	208J	8/17/2004	0	0.5	II	E314.0	{ND on all 1} analytes			
HC208J1BAA	208J	8/17/2004	1.5	2	II	E314.0	{ND on all 1} analytes			
HC208K1AAA	208K	8/18/2004	0	0.5	II	E314.0	PERCHLORATE	3.08	J	UG/KG
HC208K1BAA	208K	8/18/2004	1.5	2	II	E314.0	{ND on all 1} analytes			
HC208L1AAA	208L	8/18/2004	0	0.5	II	E314.0	{ND on all 1} analytes			
HC208L1BAA	208L	8/18/2004	1.5	2	II	E314.0	{ND on all 1} analytes			
HC208M1AAA	208M	8/18/2004	0	0.5	II	E314.0	{ND on all 1} analytes			
HC208M1BAA	208M	8/18/2004	1.5	2	II	E314.0	{ND on all 1} analytes			
HC208N1AAA	208N	8/18/2004	0	0.5	II	E314.0	{ND on all 1} analytes			
HC208N1BAA	208N	8/18/2004	1.5	2	II	E314.0	{ND on all 1} analytes			
HC208O1AAA	208O	8/23/2004	0	0.5	3	E314.0	{ND on all 1} analytes			
HC208O1BAA	208O	8/23/2004	1.5	2	3	E314.0	{ND on all 1} analytes			
2008 MIS Data										
SS199DMISA01	SS199D	4/16/2008	0	0.5	II	SW6850	{ND on all 1} analytes			
SS199DMISA02	SS199D	4/16/2008	1.5	2	II	SW6850	{ND on all 1} analytes			
SS199EMISA01	SS199E	4/16/2008	0	0.5	II	SW6850	{ND on all 1} analytes			
SS199EMISA01_R1	SS199E	4/16/2008	0	0.5	II	SW6850	{ND on all 1} analytes			
SS199EMISA01_R2	SS199E	4/16/2008	0	0.5	II	SW6850	{ND on all 1} analytes			
SS199EMISA02	SS199E	4/16/2008	1.5	2	II	SW6850	{ND on all 1} analytes			
SS199FMISA01	SS199F	4/16/2008	0	0.5	II	SW6850	{ND on all 1} analytes			
SS199FMISA02	SS199F	4/16/2008	1.5	2	II	SW6850	PERCHLORATE	0.79	J	UG/KG
SS199GMISA01	SS199G	4/15/2008	0	0.5	II	SW6850	{ND on all 1} analytes			
SS199GMISA01_R1	SS199G	4/15/2008	0	0.5	II	SW6850	{ND on all 1} analytes			
SS199GMISA01_R2	SS199G	4/15/2008	0	0.5	II	SW6850	{ND on all 1} analytes			
SS199GMISA02	SS199G	4/15/2008	1.5	2	II	SW6850	{ND on all 1} analytes			
SS199MMISA01	SS199M	4/15/2008	0	0.5	II	SW6850	{ND on all 1} analytes			
SS199MMISA02	SS199M	4/15/2008	1.5	2	II	SW6850	{ND on all 1} analytes			
SS199NMISA01	SS199N	4/15/2008	0	0.5	II	SW6850	{ND on all 1} analytes			
SS199NMISA02	SS199N	4/15/2008	1.5	2	II	SW6850	{ND on all 1} analytes			
SS200AMISA01	SS200A	4/17/2008	0	0.5	II	SW6850	{ND on all 1} analytes			
SS200AMISA02	SS200A	4/17/2008	1.5	2	II	SW6850	{ND on all 1} analytes			
SS200BMISA01	SS200B	4/17/2008	0	0.5	II	SW6850	PERCHLORATE	1.1		UG/KG
SS200BMISA02	SS200B	4/17/2008	1.5	2	II	SW6850	{ND on all 1} analytes			
SS200DMISA01	SS200D	4/17/2008	0	0.5	II	SW6850	{ND on all 1} analytes			
SS200DMISA02	SS200D	4/17/2008	1.5	2	II	SW6850	{ND on all 1} analytes			

Notes:
SBD = Sample Beginning Depth (in ft below ground surface or ft bgs) SED = Sample End Depth (in ft bgs)
VAL = Data Validation Level
CONC = Concentration
J = Concentration estimated; concentration below Reporting Limit

Table 4-2
Explosives Analytical Results - Soil
Northwest Corner Study Area

SAMPLE ID	LOCID	DATE SAMPLED	SBD	SED	VAL	METHOD	ANALYTE	CONC	UNITS
Gun Position GP-12									
HC62A1AAA	62A	01/13/00	0	0.5	II	8330N	{ND on all 19} analytes		
HC62A1BAA	62A	01/13/00	1.5	2	II	8330N	{ND on all 19} analytes		
HC62B1AAA	62B	01/17/00	0	0.5	II	8330N	{ND on all 19} analytes		
HC62B1BAA	62B	01/17/00	1.5	2	II	8330N	{ND on all 19} analytes		
HC62C1AAA	62C	02/07/00	0	0.5	II	8330N	{ND on all 19} analytes		
HC62C1BAA	62C	02/07/00	1.5	2	II	8330N	{ND on all 19} analytes		
Gun Position GP-14									
HC54A1AAA	54A	12/10/99	0	0.5	II	8330N	{ND on all 19} analytes		
HC54A1BAA	54A	12/10/99	1.5	2	II	8330N	{ND on all 19} analytes		
HC54B1AAA	54B	12/10/99	0	0.5	II	8330N	{ND on all 19} analytes		
HC54B1BAA	54B	12/10/99	1.5	2	II	8330N	{ND on all 19} analytes		
HC54C1AAA	54C	12/10/99	0	0.5	II	8330N	{ND on all 19} analytes		
HC54C1BAA	54C	12/10/99	1.5	2	II	8330N	{ND on all 19} analytes		
Gun Position GP-16									
BGHAAD	16A	01/22/98	0	0.5	II	8330N	{ND on all 19} analytes		
BGHABA	16A	03/16/98	1.5	2	II	8330N	{ND on all 19} analytes		
BGHBAA	16B	01/22/98	0	0.5	II	8330N	{ND on all 19} analytes		
BGHBBA	16B	03/16/98	1.5	2	II	8330N	{ND on all 19} analytes		
BGHCAD	16C	03/18/98	0	0.5	II	8330N	PENTAERYTHRITOL TETRANITRATE	47000	UG/KG
BGHCBA	16C	03/19/98	1.5	2	II	8330N	{ND on all 19} analytes		
BGHDAA	16D	01/22/98	0	0.5	II	8330N	{ND on all 17} analytes		
BGHDBA	16D	03/17/98	1.5	2	II	8330N	{ND on all 19} analytes		
BGHEAA	16E	01/22/98	0	0.5	II	8330N	{ND on all 19} analytes		
BGHEBA	16E	03/17/98	1.5	2	II	8330N	{ND on all 19} analytes		
BGHFAA	16F	01/23/98	0	0.5	II	8330N	{ND on all 19} analytes		
BGHFBA	16F	03/17/98	1.5	2	II	8330N	{ND on all 19} analytes		
BGHGAA	16G	01/22/98	0	0.5	II	8330N	{ND on all 19} analytes		
BGHHAA	16H	01/22/98	0	0.5	II	8330N	{ND on all 19} analytes		
BGHHBA	16H	03/17/98	1.5	2	II	8330N	{ND on all 19} analytes		
BGHIAA	16I	01/22/98	0	0.5	II	8330N	{ND on all 19} analytes		
BGHLAA	16L	01/22/98	0	0.5	II	8330N	{ND on all 19} analytes		
BGHMAD	16M	01/22/98	0	0.5	II	8330N	{ND on all 19} analytes		
HCGHM1AAA	16M	10/15/99	0	0.5	II	8330N	{ND on all 19} analytes		
BGHMBA	16M	03/16/98	1.5	2	II	8330N	{ND on all 17} analytes		
HCGHM1BAA	16M	10/15/99	1.5	2	II	8330N	{ND on all 19} analytes		
BGHOAA	16O	02/06/98	0	0.5	II	8330N	{ND on all 19} analytes		
BGHOAA	16O	04/27/98	0	0.5	II	8330N	{ND on all 19} analytes		
BGHOBA	16O	04/27/98	1.5	2	II	8330N	{ND on all 19} analytes		
HCGHP1AAA	16P	10/15/99	0	0.5	II	8330N	{ND on all 19} analytes		
HDGHP1AAA	16P	10/15/99	0	0.5	II	8330N	{ND on all 16} analytes		
HDGHP2AAA	16P	10/15/99	0	0.5	II	8330N	{ND on all 19} analytes		
HDGHP3AAA	16P	10/15/99	0	0.5	II	8330N	{ND on all 19} analytes		
HDGHP4AAA	16P	10/15/99	0	0.5	II	8330N	{ND on all 19} analytes		
HDGHP5AAA	16P	10/15/99	0	0.5	II	8330N	{ND on all 19} analytes		
HCGHP1BAA	16P	10/15/99	1.5	2	II	8330N	{ND on all 19} analytes		
HDGHP1BAA	16P	10/15/99	1.5	2	II	8330N	{ND on all 19} analytes		
HDGHP2BAA	16P	10/15/99	1.5	2	II	8330N	{ND on all 19} analytes		
HDGHP3BAA	16P	10/15/99	1.5	2	II	8330N	{ND on all 19} analytes		
HDGHP4BAA	16P	10/15/99	1.5	2	II	8330N	{ND on all 19} analytes		
HDGHP5BAA	16P	10/15/99	1.5	2	II	8330N	{ND on all 19} analytes		
HCGHO1AAA	16Q	10/15/99	0	0.5	II	8330N	{ND on all 19} analytes		
HDGHO1AAA	16Q	10/15/99	0	0.5	II	8330N	{ND on all 19} analytes		
HDGHO2AAA	16Q	10/15/99	0	0.5	II	8330N	{ND on all 19} analytes		
HDGHO3AAA	16Q	10/15/99	0	0.5	II	8330N	{ND on all 19} analytes		

Table 4-2
Explosives Analytical Results - Soil
Northwest Corner Study Area

SAMPLE ID	LOCID	DATE SAMPLED	SBD	SED	VAL	METHOD	ANALYTE	CONC	UNITS
HDGHO4AAA	16Q	10/15/99	0	0.5	II	8330N	{ND on all 19} analytes		
HDGHO5AAD	16Q	10/15/99	0	0.5	II	8330N	{ND on all 19} analytes		
HCGHO1BAA	16Q	10/15/99	1.5	2	II	8330N	{ND on all 19} analytes		
HDGHO1BAA	16Q	10/15/99	1.5	2	II	8330N	{ND on all 19} analytes		
HDGHO2BAA	16Q	10/15/99	1.5	2	II	8330N	{ND on all 19} analytes		
HDGHO3BAA	16Q	10/15/99	1.5	2	II	8330N	{ND on all 19} analytes		
HDGHO4BAA	16Q	10/15/99	1.5	2	II	8330N	{ND on all 19} analytes		
HDGHO5BAA	16Q	10/15/99	1.5	2	II	8330N	{ND on all 19} analytes		
HD61K1AAA	61K	07/21/00	0	0.25	II	8330N	{ND on all 19} analytes		
HD61K1AAA	61K	04/10/01	0	0.5	II	8330N	{ND on all 19} analytes		
HD61K1BAA	61K	04/10/01	1.5	2	II	8330N	{ND on all 19} analytes		
HD61L1AAA	61L	04/10/01	0	0.5	II	8330N	{ND on all 19} analytes		
HD61L1BAA	61L	04/10/01	1.5	2	II	8330N	{ND on all 19} analytes		
HD61M1AAA	61M	04/06/01	0	0.5	3	8330N	{ND on all 19} analytes		
HD61M1BAA	61M	04/06/01	1.5	2	3	8330N	{ND on all 19} analytes		
HD61N1AAA	61N	04/06/01	0	0.5	II	8330N	{ND on all 19} analytes		
HD61N1BAA	61N	04/06/01	1.5	2	II	8330N	{ND on all 19} analytes		
Gun Position GP-19									
HC66A1AAA	66A	02/17/00	0	0.5	II	8330N	{ND on all 19} analytes		
HC66A1BAA	66A	02/24/00	1.5	2	II	8330N	{ND on all 16} analytes		
HC66B1AAA	66B	02/18/00	0	0.5	II	8330N	{ND on all 19} analytes		
HC66B1BAA	66B	02/24/00	1.5	2	II	8330N	{ND on all 16} analytes		
HC66C1AAA	66C	02/23/00	0	0.5	II	8330N	{ND on all 16} analytes		
HC66C1BAA	66C	02/24/00	1.5	2	II	8330N	{ND on all 16} analytes		
HC66D1AAA	66D	02/17/00	0	0.5	II	8330N	{ND on all 19} analytes		
HC66D1BAA	66D	02/17/00	1.5	2	II	8330N	{ND on all 19} analytes		
HC66E1AAA	66E	02/18/00	0	0.5	II	8330N	{ND on all 19} analytes		
HC66E1BAA	66E	02/24/00	1.5	2	II	8330N	{ND on all 16} analytes		
HC66F1AAA	66F	02/18/00	0	0.5	II	8330N	{ND on all 19} analytes		
HC66F1BAD	66F	02/18/00	1.5	2	II	8330N	{ND on all 19} analytes		
HC66G1AAA	66G	02/22/00	0	0.5	II	8330N	{ND on all 19} analytes		
HC66G1BAA	66G	02/22/00	1.5	2	II	8330N	{ND on all 19} analytes		
HC66H1AAA	66H	02/18/00	0	0.5	II	8330N	{ND on all 19} analytes		
HC66H1BAA	66H	02/18/00	1.5	2	II	8330N	{ND on all 19} analytes		
HC66I1AAA	66I	02/18/00	0	0.5	II	8330N	{ND on all 19} analytes		
HC66I1BAA	66I	02/24/00	1.5	2	II	8330N	{ND on all 16} analytes		
HC66J1AAA	66J	02/22/00	0	0.5	II	8330N	{ND on all 19} analytes		
HC66J1BAA	66J	02/22/00	1.5	2	II	8330N	{ND on all 19} analytes		
HC66K1AAA	66K	02/22/00	0	0.5	II	8330N	{ND on all 19} analytes		
HC66K1BAA	66K	02/22/00	1.5	2	II	8330N	{ND on all 19} analytes		
HC66L1AAA	66L	02/22/00	0	0.5	II	8330N	{ND on all 19} analytes		
HC66L1BAA	66L	02/22/00	1.5	2	II	8330N	{ND on all 16} analytes		
HC66M1AAA	66M	02/23/00	0	0.5	II	8330N	{ND on all 19} analytes		
HC66M1AAD	66M	02/23/00	0	0.5	II	8330N	{ND on all 16} analytes		
HC66M1BAA	66M	02/23/00	1.5	2	II	8330N	{ND on all 16} analytes		
HC66N1AAA	66N	02/22/00	0	0.5	II	8330N	{ND on all 19} analytes		
HC66N1BAA	66N	02/22/00	1.5	2	II	8330N	{ND on all 19} analytes		
HC66O1AAA	66O	02/22/00	0	0.5	II	8330N	{ND on all 16} analytes		
HC66O1BAA	66O	02/22/00	1.5	2	II	8330N	{ND on all 16} analytes		
HC66P1AAA	66P	02/23/00	0	0.5	II	8330N	{ND on all 16} analytes		
HC66P1BAA	66P	02/23/00	1.5	2	II	8330N	{ND on all 16} analytes		
HC66Q1AAA	66Q	02/23/00	0	0.5	II	8330N	{ND on all 16} analytes		
HC66Q1BAA	66Q	02/23/00	1.5	2	II	8330N	{ND on all 16} analytes		
HC66R1AAA	66R	02/23/00	0	0.5	II	8330N	{ND on all 16} analytes		
HC66R1BAA	66R	02/23/00	1.5	2	II	8330N	{ND on all 16} analytes		

Table 4-2
Explosives Analytical Results - Soil
Northwest Corner Study Area

SAMPLE ID	LOCID	DATE SAMPLED	SBD	SED	VAL	METHOD	ANALYTE	CONC	UNITS
Canal View Road (Area 199)									
HC199E1AAA	199E	08/09/04	0	0.5	II	8330N	{ND on all 19} analytes		
HC199E1AAD	199E	08/09/04	0	0.5	II	8330N	{ND on all 19} analytes		
HC199E1BAA	199E	08/09/04	1.5	2	II	8330N	{ND on all 19} analytes		
HC199G1AAA	199G	08/09/04	0	0.5	II	8330N	{ND on all 19} analytes		
HC199G1BAA	199G	08/09/04	1.5	2	II	8330N	{ND on all 19} analytes		
Area South of GP-16 (Area 200)									
HC200A1AAA	200A	08/24/04	0	0.5	II	8330N	{ND on all 19} analytes		
HC200A1BAA	200A	08/24/04	1.5	2	II	8330N	{ND on all 19} analytes		

Notes:
SBD = Sample Beginning Depth (in ft below ground surface or ft bgs)
SED = Sample End Depth (in ft bgs)
VAL = Data Validation Level
CONC = Concentration

Table 4-3
SVOC Analytical Results - Soil Sampling
Northwest Corner Study Area

SAMPLE ID	LOCID	DATE SAMPLED	SBD	SED	VAL	METHOD	ANALYTE	CONC	UNITS
Gun Position GP-12									
HC62D1AAA	62D	08/13/04	0	0.5	II	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	23 J	UG/KG
HC62D1BAA	62D	08/13/04	1.5	2	II	SW8270	{ND on all 78} analytes		
HC62E1AAA	62E	08/16/04	0	0.5	II	SW8270	2,4-DINITROTOLUENE	420 J	UG/KG
HC62E1AAA	62E	08/16/04	0	0.5	II	SW8270	2,6-DINITROTOLUENE	30 J	UG/KG
HC62E1AAA	62E	08/16/04	0	0.5	II	SW8270	BENZO(A)ANTHRACENE	33 J	UG/KG
HC62E1AAA	62E	08/16/04	0	0.5	II	SW8270	BENZO(A)PYRENE	31 J	UG/KG
HC62E1AAA	62E	08/16/04	0	0.5	II	SW8270	BENZO(B)FLUORANTHENE	41 J	UG/KG
HC62E1AAA	62E	08/16/04	0	0.5	II	SW8270	BENZO(K)FLUORANTHENE	45 J	UG/KG
HC62E1AAA	62E	08/16/04	0	0.5	II	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	22 J	UG/KG
HC62E1AAA	62E	08/16/04	0	0.5	II	SW8270	CHRYSENE	49 J	UG/KG
HC62E1AAA	62E	08/16/04	0	0.5	II	SW8270	DI-N-BUTYL PHTHALATE	880 J	UG/KG
HC62E1AAA	62E	08/16/04	0	0.5	II	SW8270	FLUORANTHENE	58 J	UG/KG
HC62E1AAA	62E	08/16/04	0	0.5	II	SW8270	N-NITROSODIPHENYLAMINE	85 J	UG/KG
HC62E1AAA	62E	08/16/04	0	0.5	II	SW8270	PHENANTHRENE	19 J	UG/KG
HC62E1AAA	62E	08/16/04	0	0.5	II	SW8270	PYRENE	78 J	UG/KG
HC62E1AAD	62E	08/16/04	0	0.5	II	SW8270	BENZO(A)ANTHRACENE	38 J	UG/KG
HC62E1AAD	62E	08/16/04	0	0.5	II	SW8270	BENZO(A)PYRENE	33 J	UG/KG
HC62E1AAD	62E	08/16/04	0	0.5	II	SW8270	BENZO(B)FLUORANTHENE	44 J	UG/KG
HC62E1AAD	62E	08/16/04	0	0.5	II	SW8270	BENZO(K)FLUORANTHENE	42 J	UG/KG
HC62E1AAD	62E	08/16/04	0	0.5	II	SW8270	CHRYSENE	53 J	UG/KG
HC62E1AAD	62E	08/16/04	0	0.5	II	SW8270	FLUORANTHENE	79 J	UG/KG
HC62E1AAD	62E	08/16/04	0	0.5	II	SW8270	INDENO(1,2,3-C,D)PYRENE	18 J	UG/KG
HC62E1AAD	62E	08/16/04	0	0.5	II	SW8270	PHENANTHRENE	26 J	UG/KG
HC62E1AAD	62E	08/16/04	0	0.5	II	SW8270	PYRENE	100 J	UG/KG
HC62E1BAA	62E	08/16/04	1.5	2	II	SW8270	{ND on all 78} analytes		
HC62F1AAA	62F	08/16/04	0	0.5	3	SW8270	{ND on all 78} analytes		
HC62F1BAA	62F	08/16/04	1.5	2	3	SW8270	{ND on all 78} analytes		
HC62G1AAA	62G	08/17/04	0	0.5	3	SW8270	2,4-DINITROTOLUENE	48 J	UG/KG
HC62G1AAA	62G	08/17/04	0	0.5	3	SW8270	BENZO(B)FLUORANTHENE	17 J	UG/KG
HC62G1AAA	62G	08/17/04	0	0.5	3	SW8270	BENZO(K)FLUORANTHENE	17 J	UG/KG
HC62G1AAA	62G	08/17/04	0	0.5	3	SW8270	BENZYL BUTYL PHTHALATE	17 J	UG/KG
HC62G1AAA	62G	08/17/04	0	0.5	3	SW8270	CHRYSENE	17 J	UG/KG
HC62G1AAA	62G	08/17/04	0	0.5	3	SW8270	DI-N-BUTYL PHTHALATE	140 J	UG/KG
HC62G1AAA	62G	08/17/04	0	0.5	3	SW8270	FLUORANTHENE	26 J	UG/KG
HC62G1AAA	62G	08/17/04	0	0.5	3	SW8270	N-NITROSODIPHENYLAMINE	18 J	UG/KG
HC62G1AAA	62G	08/17/04	0	0.5	3	SW8270	PYRENE	32 J	UG/KG
HC62G1BAA	62G	08/17/04	1.5	2	3	SW8270	{ND on all 78} analytes		
HC62H1AAA	62H	08/16/04	0	0.5	II	SW8270	BENZOIC ACID	69 J	UG/KG
HC62H1BAA	62H	08/16/04	1.5	2	II	SW8270	{ND on all 78} analytes		
Gun Position GP-14									
HC54D1AAA	54D	08/10/04	0	0.5	II	SW8270	{ND on all 78} analytes		
HC54D1AAD	54D	08/10/04	0	0.5	II	SW8270	{ND on all 78} analytes		
HC54D1BAA	54D	08/10/04	1.5	2	II	SW8270	{ND on all 78} analytes		
HC54E1AAA	54E	08/10/04	0	0.5	II	SW8270	DI-N-BUTYL PHTHALATE	31 J	UG/KG
HC54E1BAA	54E	08/10/04	1.5	2	II	SW8270	{ND on all 78} analytes		
HC54F1AAA	54F	08/11/04	0	0.5	II	SW8270	2,4-DINITROTOLUENE	57 J	UG/KG
HC54F1AAA	54F	08/11/04	0	0.5	II	SW8270	DI-N-BUTYL PHTHALATE	250 J	UG/KG
HC54F1BAA	54F	08/11/04	1.5	2	II	SW8270	{ND on all 78} analytes		
HC54G1AAA	54G	08/11/04	0	0.5	II	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	770	UG/KG
HC54G1BAA	54G	08/11/04	1.5	2	II	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	650	UG/KG
HC54H1AAA	54H	08/11/04	0	0.5	II	SW8270	{ND on all 78} analytes		
HC54H1BAA	54H	08/11/04	1.5	2	II	SW8270	{ND on all 78} analytes		

Table 4-3
SVOC Analytical Results - Soil Sampling
Northwest Corner Study Area

SAMPLE ID	LOCID	DATE SAMPLED	SBD	SED	VAL	METHOD	ANALYTE	CONC	UNITS
HC54I1AAA	54I	08/11/04	0	0.5	II	SW8270	2,4-DINITROTOLUENE	32 J	UG/KG
HC54I1AAA	54I	08/11/04	0	0.5	II	SW8270	DI-N-BUTYL PHTHALATE	120 J	UG/KG
HC54I1AAD	54I	08/11/04	0	0.5	II	SW8270	DI-N-BUTYL PHTHALATE	31 J	UG/KG
HC54I1BAA	54I	08/11/04	1.5	2	II	SW8270	2,4-DINITROTOLUENE	200 J	UG/KG
HC54I1BAA	54I	08/11/04	1.5	2	II	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	20 J	UG/KG
HC54I1BAA	54I	08/11/04	1.5	2	II	SW8270	DI-N-BUTYL PHTHALATE	380	UG/KG
HC54I1BAA	54I	08/11/04	1.5	2	II	SW8270	N-NITROSODIPHENYLAMINE	38 J	UG/KG
HC54J1AAA	54J	08/11/04	0	0.5	II	SW8270	{ND on all 78} analytes		
HC54J1BAA	54J	08/11/04	1.5	2	II	SW8270	{ND on all 78} analytes		
HC54K1AAA	54K	08/11/04	0	0.5	II	SW8270	{ND on all 78} analytes		
HC54K1BAA	54K	08/11/04	1.5	2	II	SW8270	2,4-DINITROTOLUENE	41 J	UG/KG
HC54K1BAA	54K	08/11/04	1.5	2	II	SW8270	DI-N-BUTYL PHTHALATE	74 J	UG/KG
HC54L1AAA	54L	08/12/04	0	0.5	II	SW8270	CHRYSENE	17 J	UG/KG
HC54L1BAA	54L	08/12/04	1.5	2	II	SW8270	BENZOIC ACID	450 J	UG/KG
HC54M1AAA	54M	08/12/04	0	0.5	II	SW8270	{ND on all 78} analytes		
HC54M1BAA	54M	08/12/04	1.5	2	II	SW8270	{ND on all 78} analytes		
HC54N1AAA	54N	08/10/04	0	0.5	II	SW8270	{ND on all 78} analytes		
HC54N1BAA	54N	08/10/04	1.5	2	II	SW8270	DI-N-BUTYL PHTHALATE	18 J	UG/KG
HC54O1AAA	54O	08/12/04	0	0.5	II	SW8270	BENZOIC ACID	51 J	UG/KG
HC54O1AAD	54O	08/12/04	0	0.5	II	SW8270	BENZOIC ACID	69 J	UG/KG
HC54O1BAA	54O	08/12/04	1.5	2	II	SW8270	{ND on all 78} analytes		
L-3 Range									
HC208A1AAA	208A	08/19/04	0	0.5	II	SW8270	2-CHLOROBENZOIC ACID	390 J	UG/KG
HC208A1AAA	208A	08/19/04	0	0.5	II	SW8270	BENZOIC ACID	180 J	UG/KG
HC208A1AAA	208A	08/19/04	0	0.5	II	SW8270	PYRENE	22 J	UG/KG
HC208A1BAA	208A	08/19/04	1.5	2	II	SW8270	BENZOIC ACID	65 J	UG/KG
HC208B1AAA	208B	08/19/04	0	0.5	II	SW8270	{ND on all 78} analytes		
HC208B1BAA	208B	08/19/04	1.5	2	II	SW8270	{ND on all 78} analytes		
HC208C1AAA	208C	08/19/04	0	0.5	II	SW8270	{ND on all 78} analytes		
HC208C1BAA	208C	08/19/04	1.5	2	II	SW8270	{ND on all 78} analytes		
HC208D1AAA	208D	08/19/04	0	0.5	II	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	32 J	UG/KG
HC208D1BAA	208D	08/19/04	1.5	2	II	SW8270	{ND on all 78} analytes		
HC208E1AAA	208E	08/20/04	0	0.5	II	SW8270	{ND on all 78} analytes		
HC208E1BAA	208E	08/20/04	1.5	2	II	SW8270	{ND on all 78} analytes		
HC208F1AAA	208F	08/20/04	0	0.5	II	SW8270	BENZOIC ACID	250 J	UG/KG
HC208F1AAA	208F	08/20/04	0	0.5	II	SW8270	PYRENE	21 J	UG/KG
HC208F1BAA	208F	08/20/04	1.5	2	II	SW8270	{ND on all 78} analytes		
HC208G1AAA	208G	08/20/04	0	0.5	II	SW8270	{ND on all 78} analytes		
HC208G1BAA	208G	08/20/04	1.5	2	II	SW8270	{ND on all 78} analytes		
HC208H1AAA	208H	08/20/04	0	0.5	II	SW8270	BENZOIC ACID	100 J	UG/KG
HC208H1AAD	208H	08/20/04	0	0.5	II	SW8270	{ND on all 78} analytes		
HC208H1BAA	208H	08/20/04	1.5	2	II	SW8270	{ND on all 78} analytes		
Canal View Road (Area 199)									
HC199E1AAA	199E	12/17/2003	0	0.5	II	SW8270	BENZO(A)ANTHRACENE	41 J	UG/KG
HC199E1AAA	199E	12/17/2003	0	0.5	II	SW8270	CHRYSENE	44 J	UG/KG
HC199E1AAA	199E	12/17/2003	0	0.5	II	SW8270	FLUORANTHENE	31 J	UG/KG
HC199E1AAA	199E	12/17/2003	0	0.5	II	SW8270	PYRENE	30 J	UG/KG
HC199E1BAA	199E	12/17/2003	1.5	2	II	SW8270	{ND on all 78} analytes		
HC199G1AAD	199G	12/17/2003	0	0.5	II	SW8270	CHRYSENE	18 J	UG/KG
HC199G1AAD	199G	12/17/2003	0	0.5	II	SW8270	FLUORANTHENE	56 J	UG/KG
HC199G1AAD	199G	12/17/2003	0	0.5	II	SW8270	PYRENE	39 J	UG/KG
HC199G1BAA	199G	12/17/2003	1.5	2	II	SW8270	{ND on all 78} analytes		
Area South of GP-16 (Area 200)									

Table 4-3
SVOC Analytical Results - Soil Sampling
Northwest Corner Study Area

SAMPLE ID	LOCID	DATE SAMPLED	SBD	SED	VAL	METHOD	ANALYTE	CONC	UNITS
HC200A1AAA	200A	12/17/2003	0	0.5	II	SW8270	{ND on all 78} analytes		
HC200A1BAA	200A	12/17/2003	1.5	2	II	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	18 J	UG/KG

Notes:

SBD = Sample Beginning Depth (in ft below ground surface or ft bgs)
SED = Sample End Depth (in ft bgs)
VAL = Data Validation Level
CONC = Concentration
J = Concentration estimated; concentration below calibration range

Table 4-4
Metals Analytical Results - Soil
Northwest Corner Study Area

				Area 199 - Canal View Rd.					Area 200											
Sample Location				199E			199G		200A		208A		208AB		208B		208BB		208C	
Sample Date				8/9/2004			8/9/2004		8/24/2004		8/19/2004		10/8/2004		8/19/2004		10/8/2004		8/19/2004	
Sample Depth				0-0.5	0-0.5D	1.5-2	0-0.5	1.5-2	0-0.5	1.5-2	0-0.5	1.5-2	0-0.5	1.5-2	0-0.5	1.5-2	0-0.5	1.5-2	0-0.5	1.5-2
Total Metals (mg/kg)	**MMR PRG**	**Background 0-1 ft bgs**	**Background 1-2 ft bgs**																	
ALUMINUM	7614	15,495	12,384	9,510	10,000	8,550	8,950	8,570	8,920	1,820	13,100	10,900	13,200	**15,300**	13,500	**13,600**	13,300	**13,600**	11,100	12,600
ANTIMONY	31	1.4	2.3																	
ARSENIC	0.39	3.9	3.9	3.1			2.8	2.8	3.1J	1.9J	**4.4**	3.3	3.7	**4.3**	**4.2**	**4**	**4.4**	**5**	2.9	**4.3**
BARIUM	537	15.6	20.2	8.6	9.8	12.4	8.5	9.2	7.4	2.8J	8.4	16	6.5	17.1	10.9	12.9	9.2	14.5	8.8	16.6
BERYLLIUM	15.4	0.3	0.4	0.24	0.25	0.25	0.2	0.19	8	2.7	0.21	0.31	0.21	0.36	0.23	0.3	0.11	0.34	0.18	0.35
BORON	1600	17.3	8.1											1.9						0.83
CADMIUM	3.7	0.4	0.3										0.32	0.45			0.43	0.34		
CALCIUM		179	166								75.5	100			77.5	103			47.6	65.8
CHROMIUM, TOTAL	211	14.7	15.5	9.4	11.2	8.3	9.3	9			13.5	14.1	11.7	16.5	13.1	15	12.1	15.2	11.7	14.9
COBALT	903	2.9	4.5	2.3	2.6	3.3	2.4	2.3		0.85J		5	1.1	3.8	2.2	4.2		3.5		5.8
COPPER	313	11.0	7.4	4.8	5.1	5	4.3				34.4	4.5	13.4	4.4	5.6	4.7	7.2	5.2	19.1	5.8
IRON	2346	12,051	12,020	10,100	9,860	6,860	8,840	9,210	7,350	3,990	**13,300**	**12,400**	11,800	**14,700**	**13,100**	**13,700**	**14,600**	**14,800**	11,000	**13,600**
LEAD	40.0	19.0	10.2	8.2J	7.8J	4.8J	6.7J	6.2J	6.5	2.4	**190**	9.5	**354**	8.4	25.4	7.8	35	8	**96.5**	9.6
MAGNESIUM		1,487	1,980	799	924	1,120	770	703	528	233	802	**2,260**	548	**2,000**	653	1,680	472	1,960	800	**2,050**
MANGANESE	176	106	122	45.6	41.8	50.5	47.3	47.8	22.2	29.4	42	73	31.4	89.4	32.4	82.2	22.3	82	34.6	112
MOLYBDENUM	39.1	1.1	0.9	0.7	0.34J	0.34J	0.37J	0.75	0.57J		1.7	0.5	1.1		1.1	1	0.91		0.61	0.44
NICKEL	156	6.9	9.4	5.3	5.7	5.7	4.9	5	2.2	0.99J	6.1	9.7	4.7	8.5	5.5	7.9	3.8	8	5.2	9.7
POTASSIUM		563	733								411	692	267	656		546	342	656	390	**750**
SELENIUM	39.1	1.1	1.1												1		1.1			
SODIUM		164	198						**183**											
VANADIUM	7.8	21.7	20.1	15.4	17.3	12.6	14.8	14.9	14.1	7.2	**24.7**	**20.6**	19.3	**22.2**	**22.4**	**20.6**	**23.5**	**20.6**	19.5	**20.3**
ZINC	2346	25.6	24.4	12.3	12.6	12.8	10.3	9.5	7.2	4.1	14.4	16.4	9.9	18.1	11.3	16.8	8.9	18.1	9.9	19.5
TCLP Metals (ug/L)			**Toxicity Criteria**																	
BARIUM			100,000										60.7	253			63.4	97.1		
CADMIUM			1,000										0.85	0.5						
CHROMIUM, TOTAL			5,000										1.9	1.8			2			
LEAD			5,000										3,950	11.4			29.7	9.7		
SELENIUM			1,000										7.6	8.6			5.3	7		
SILVER			5,000																	

Note:
Sample Depths measured in ft bgs.
MMR PRG = MMR Preliminary Remediation Goals for Residential Soil
Background = MMR Background values for
moraine soils (AMEC, 2001c)
J = Concentration estimated, below calibration
Bold indicates concentraction exceeds both MMR PRG and background.
If no PRG, **bold** indicates concentration exceeds background.

Table 4-4
Metals Analytical Results - Soil
Northwest Corner Study Area

				L-3 Range (cont.)											
Sample Location				208CB		208D		208DB		208E		208EB		208F	
Sample Date				10/8/2004		8/19/2004		10/8/2004		8/20/2004		10/8/2004		8/20/2004	
Sample Depth				0-0.5	1.5-2	0-0.5	1.5-2	0-0.5	1.5-2	0-0.5	1.5-2	0-0.5	1.5-2	0-0.5	1.5-2
Total Metals (mg/kg)	**MMR PRG**	**Background 0-1 ft bgs**	**Background 1-2 ft bgs**												
ALUMINUM	7614	15,495	12,384	5,980	**15,900**	11,300	**15,000**	10,700	**15,300**	8,360	12,000	13,800	**13,100**	12,000	**15,400**
ANTIMONY	31	1.4	2.3												
ARSENIC	0.39	3.9	3.9	2.4	**5.5**	3.5	**4.8**	3.7	3.7	3.2	**4**	**4.5**	**4.8**	3.9	3.7
BARIUM	537	15.6	20.2	8.3	13	8.8	20.9	15.5	14.3	7.3	11.9	10.2	7.4	10.2	15.3
BERYLLIUM	15.4	0.3	0.4		0.3	0.24	0.44	0.3	0.22	0.19	0.33	0.25	0.22	0.21	0.33
BORON	1600	17.3	8.1												
CADMIUM	3.7	0.4	0.3	0.29	0.44			0.13	0.21			0.21	0.17		
CALCIUM		179	166			62.8	58.5			53.4	59.8			72.2	56.3
CHROMIUM, TOTAL	211	14.7	15.5	5.9	16.6	13.5	17.9	12.6	15.4	9	13.6	13.5	11.5	12.7	16.6
COBALT	903	2.9	4.5		2.7	3	4.9	4.3	3.1		4.3	2.9	2.2		3.9
COPPER	313	11.0	7.4	3.3	3	10.6	5.9	5.4	4.4	19.3	4.7	3.9	2.5	14.7	4.5
IRON	2346	12,051	12,020	9,580	**15,400**	11,500	**14,800**	11,800	**13,600**	9,190	12,000	**13,500**	**13,800**	**12,500**	**13,500**
LEAD	40.0	19.0	10.2	14	8.8	**68.2**	12.9	8.7	12.3	**115**	13.1	27.8	7.7	**100**	10.9
MAGNESIUM		1,487	1,980	233	1,410	1,180	**1,970**	**1,880**	1,360	703	1,440	1,080	784	753	1,540
MANGANESE	176	106	122	13.6	62.6	57.5	81.9	71.6	50.7	36.4	70.3	48.8	37	43.6	61.9
MOLYBDENUM	39.1	1.1	0.9	0.81	0.56	0.57	0.39					0.64	0.45		0.66
NICKEL	156	6.9	9.4	2.3	7.7	6.5	9.1	7.1	6.4	4.6	8.2	6.1	4.8	5.1	8.1
POTASSIUM		563	733	265	497	446	613	**827**							467
SELENIUM	39.1	1.1	1.1			0.82									
SODIUM		164	198												
VANADIUM	7.8	21.7	20.1	18.2	**22.7**	21.4	**24.3**	16.3	20	16.6	18.1	18.5	17.2	**24.5**	**23**
ZINC	2346	25.6	24.4	5.8	14	13.1	20.6	16.8	12.9	11.6	15.9	11.9	11.7	11.3	15.7
TCLP Metals (ug/L)			**Toxicity Criteria**												
BARIUM			100,000	60.8	143			127	180			71.3	60.7		
CADMIUM			1,000	0.51	0.51			0.51	1.6						
CHROMIUM, TOTAL			5,000	1.8	3.2			2.4	7.3			1.8	1.4		
LEAD			5,000	9.6	16.6			11	26.8			77.4	4.6		
SELENIUM			1,000	8.5	7.3			7	7.3			5.7	4.4		
SILVER			5,000		2.9			2.4	6.3						

Note:
Sample Depths measured in ft bgs.
MMR PRG = MMR Preliminary Remediation Goals for Residential Soil
Background = MMR Background values for
moraine soils (AMEC, 2001c)
J = Concentration estimated, below calibration
Bold indicates concentraction exceeds both MMR PRG and background.
If no PRG, **bold** indicates concentration exceeds background.

Table 4-4
Metals Analytical Results - Soil
Northwest Corner Study Area

				L-3 Range (cont.)									
			Sample Location	208FB		208G		208GB		208H		208HB	
			Sample Date	10/8/2004		8/20/2004		10/8/2004		8/20/2004		10/8/2004	
			Sample Depth	0-0.5	1.5-2	0-0.5	1.5-2	0-0.5	1.5-2	0-0.5	1.5-2	0-0.5	1.5-2
Total Metals (mg/kg)	**MMR PRG**	**Background 0-1 ft bgs**	**Background 1-2 ft bgs**										
ALUMINUM	7614	15,495	12,384	11,100	9,150	9,720	12,000	13,700	9,010	10,500	7,160	5,890	8,930
ANTIMONY	31	1.4	2.3										
ARSENIC	0.39	3.9	3.9	3.4	3.4	**4**	3.8	3.7	3	3.2	2.3	**5.1**	3.9
BARIUM	537	15.6	20.2	6.2	11.8	8.7	18.2	7.7	10.8	9.4	6.6	4.8	6.7
BERYLLIUM	15.4	0.3	0.4	0.15	0.25		0.28	0.09	0.18	0.13	0.14		0.08
BORON	1600	17.3	8.1				2.1						
CADMIUM	3.7	0.4	0.3	0.18				0.17				0.18	0.14
CALCIUM		179	166							170	41.9		89.4
CHROMIUM, TOTAL	211	14.7	15.5	12	10.1	8.8	11.1	13.4	10	9.9	7	6.6	9
COBALT	903	2.9	4.5	2.2	3.4	1.8	2.8	2	3			1	1.7
COPPER	313	11.0	7.4	40	4.2	18.6	11.4	4.1	3.5	5.7	2.5	19.1	3.9
IRON	2346	12,051	12,020	11,500	10,400	9,410	12,000	**13,000**	9,700	**13,300**	6,590	11,200	9,840
LEAD	40.0	19.0	10.2	**357**	6.8	40.2	13.1	11.7	5.2	14.4	5	15.9	12.5
MAGNESIUM		1,487	1,980	1,010	1,480	1,060	1,350	862	1,260	661	634	279	643
MANGANESE	176	106	122	45.6	64	37.1	66.4	34.1	54.2	41.6	45.9	16.6	32.7
MOLYBDENUM	39.1	1.1	0.9	0.5		0.61	0.63	0.87		1.2	0.66	0.71	0.87
NICKEL	156	6.9	9.4	4.3	5.7	4.7	5.8	4.5	5.3	5.1	3.7	1.8	3.7
POTASSIUM		563	733		640		**736**		648	476	386		
SELENIUM	39.1	1.1	1.1							2.2			
SODIUM		164	198			**287**	**348**						
VANADIUM	7.8	21.7	20.1	19.6	14	17.7	**20.6**	19.4	13.1	**25.3**	10.7	20.3	17.6
ZINC	2346	25.6	24.4	11.3	14.6	12.5	16.2	10.3	11.1	11.3	11.5	5.7	10.3
TCLP Metals (ug/L)			**Toxicity Criteria**										
BARIUM			100,000	42.5	149			66.1	134			47	57.3
CADMIUM			1,000		0.84								0.62
CHROMIUM, TOTAL			5,000	2.9	3.9			0.96				2.4	4
LEAD			5,000	2,130	19.6			18.6	4.9			16.9	9.3
SELENIUM			1,000	4.8					7.4				7.3
SILVER			5,000		1.8								1.5

Note:

Sample Depths measured in ft bgs.

MMR PRG = MMR Preliminary Remediation Goals for Residential Soil

Background = MMR Background values for
moraine soils (AMEC, 2001c)

J = Concentration estimated, below calibration

Bold indicates concentraction exceeds both MMR PRG and background.
If no PRG, **bold** indicates concentration exceeds background.

Table 4-5
Fireworks Debris Sampling Results
Northwest Corner Study Area

SAMPLE ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS
FWDEBRIS01	10/23/2003	E314.0	PERCHLORATE	34200	UG/KG
FWDEBRIS02	10/23/2003	E314.0	PERCHLORATE	8020	UG/KG
FWDEBRIS03	10/23/2003	E314.0	PERCHLORATE	302	UG/KG

Notes:
CONC = Concentration

Table 4-6
Profile Sampling Results
Northwest Corner Study Area

WELL ID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS	PDA
MW-65	09/14/99	124	129	0	0	II	8330N	2,6-DINITROTOLUENE	0.28 J	ug/l	
	09/14/99	130	135	1	6	II	8330N	2,6-DINITROTOLUENE	0.27 J	ug/l	
	09/14/99	140	145	11	16	II	8330N	{ND on all 19} analytes			
	09/14/99	150	155	21	26	II	8330N	{ND on all 19} analytes			
	09/14/99	160	165	31	36	II	8330N	{ND on all 19} analytes			
	09/15/99	170	175	41	46	II	8330N	{ND on all 19} analytes			
	09/15/99	170	175	41	46	II	8330N	{ND on all 19} analytes			
	09/15/99	180	185	51	56	II	8330N	{ND on all 19} analytes			
	09/15/99	200	205	71	76	II	8330N	{ND on all 19} analytes			
	09/16/99	210	215	81	86	II	8330N	{ND on all 19} analytes			
	09/16/99	220	225	91	96	II	8330N	{ND on all 19} analytes			
	09/16/99	220	225	91	96	II	8330N	{ND on all 19} analytes			
	09/16/99	230	235	101	106	II	8330N	{ND on all 19} analytes			
	09/16/99	240	245	111	116	II	8330N	{ND on all 19} analytes			
	09/16/99	250	255	121	126	II	8330N	{ND on all 19} analytes			
	09/17/99	260	265	131	136	II	8330N	{ND on all 19} analytes			
	09/17/99	270	275	141	146	II	8330N	{ND on all 19} analytes			
MW-66	09/07/99	135	135	6	6	II	8330N	2,6-DINITROTOLUENE	1.2 J	ug/l	
	09/07/99	145	145	16	16	II	8330N	2,6-DINITROTOLUENE	0.66 J	ug/l	
	09/07/99	155	155	26	26	II	8330N	2,6-DINITROTOLUENE	0.33 J	ug/l	
	09/07/99	155	155	26	26	II	8330N	{ND on all 19} analytes			
	09/07/99	165	165	36	36	II	8330N	{ND on all 19} analytes			
	09/07/99	175	175	46	46	II	8330N	{ND on all 19} analytes			
	09/08/99	185	185	56	56	II	8330N	{ND on all 19} analytes			
	09/08/99	195	195	66	66	II	8330N	{ND on all 19} analytes			
	09/09/99	205	205	76	76	II	8330N	{ND on all 19} analytes			
	09/09/99	215	215	86	86	II	8330N	{ND on all 19} analytes			
	09/09/99	225	225	96	96	II	8330N	{ND on all 19} analytes			
	09/09/99	235	235	106	106	II	8330N	2,6-DINITROTOLUENE	0.31 J	ug/l	
	09/09/99	245	245	116	116	II	8330N	{ND on all 19} analytes			
	09/09/99	255	255	126	126	II	8330N	{ND on all 19} analytes			
	09/10/99	265	265	136	136	II	8330N	{ND on all 19} analytes			
	09/10/99	275	275	146	146	II	8330N	{ND on all 19} analytes			
MW-270	05/19/03	30	30	2.3	2.3	II	8330N	{ND on all 19} analytes			
	05/20/03	40	40	12.3	12.3	II	8330N	{ND on all 19} analytes			
	05/20/03	50	50	22.3	22.3	II	8330N	{ND on all 19} analytes			
	05/20/03	60	60	32.3	32.3	II	8330N	{ND on all 19} analytes			
	05/20/03	70	70	42.3	42.3	II	8330N	{ND on all 19} analytes			
	05/20/03	80	80	52.3	52.3	II	8330N	{ND on all 19} analytes			
	05/20/03	90	90	62.3	62.3	II	8330N	{ND on all 19} analytes			
	05/21/03	100	100	72.3	72.3	II	8330N	{ND on all 19} analytes			
	05/21/03	110	110	82.3	82.3	II	8330N	{ND on all 19} analytes			
	05/21/03	120	120	92.3	92.3	II	8330N	{ND on all 19} analytes			
	05/21/03	130	130	102.3	102.3	II	8330N	{ND on all 19} analytes			
	05/21/03	139	139	111.3	111.3	II	8330N	{ND on all 19} analytes			
	05/19/03	30	30	2.3	2.3	3	E314.0	PERCHLORATE	5.39	ug/l	
	05/20/03	40	40	12.3	12.3	3	E314.0	PERCHLORATE	6.3	ug/l	
	05/20/03	50	50	22.3	22.3	3	E314.0	PERCHLORATE	5.71	ug/l	
	05/20/03	60	60	32.3	32.3	3	E314.0	PERCHLORATE	6.94	ug/l	
	05/20/03	70	70	42.3	42.3	3	E314.0	PERCHLORATE	5.71	ug/l	
	05/20/03	80	80	52.3	52.3	II	E314.0	PERCHLORATE	8.76	ug/l	
	05/20/03	90	90	62.3	62.3	II	E314.0	PERCHLORATE	8.04	ug/l	
	05/21/03	100	100	72.3	72.3	II	E314.0	PERCHLORATE	5.7	ug/l	
	05/21/03	110	110	82.3	82.3	II	E314.0	PERCHLORATE	4.97	ug/l	
	05/21/03	120	120	92.3	92.3	II	E314.0	PERCHLORATE	3.13	ug/l	
	05/21/03	130	130	102.3	102.3	II	E314.0	PERCHLORATE	2.22	ug/l	
	05/21/03	139	139	111.3	111.3	II	E314.0	PERCHLORATE	1.27	ug/l	

Table 4-6
Profile Sampling Results
Northwest Corner Study Area

WELL ID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS	PDA
MW-277	06/06/03	110	110	3.9	3.9	II	8330N	{ND on all 19} analytes			
	06/06/03	120	120	13.9	13.9	II	8330N	{ND on all 19} analytes			
	06/06/03	130	130	23.9	23.9	II	8330N	{ND on all 19} analytes			
	06/09/03	140	140	33.9	33.9	II	8330N	{ND on all 19} analytes			
	06/09/03	150	150	43.9	43.9	II	8330N	{ND on all 19} analytes			
	06/11/03	170	170	63.9	63.9	II	8330N	{ND on all 19} analytes			
	06/11/03	180	180	73.9	73.9	II	8330N	{ND on all 19} analytes			
	06/11/03	190	190	83.9	83.9	II	8330N	{ND on all 19} analytes			
	06/11/03	200	200	93.9	93.9	II	8330N	{ND on all 19} analytes			
	06/11/03	210	210	103.9	103.9	II	8330N	{ND on all 19} analytes			
	06/12/03	220	220	113.9	113.9	II	8330N	{ND on all 19} analytes			
	06/12/03	230	230	123.9	123.9	II	8330N	{ND on all 19} analytes			
	06/12/03	240	240	133.9	133.9	II	8330N	{ND on all 19} analytes			
	06/12/03	248	248	141.9	141.9	II	8330N	{ND on all 19} analytes			
	06/06/03	110	110	3.9	3.9	II	E314.0	PERCHLORATE	6.28	ug/l	
	06/06/03	120	120	13.9	13.9	II	E314.0	PERCHLORATE	3.44	ug/l	
	06/06/03	130	130	23.9	23.9	II	E314.0	PERCHLORATE	1.19	ug/l	
	06/09/03	140	140	33.9	33.9	II	E314.0	PERCHLORATE	0.6 J	ug/l	
	06/09/03	150	150	43.9	43.9	II	E314.0	{ND on all 1} analytes			
	06/11/03	170	170	63.9	63.9	II	E314.0	{ND on all 1} analytes			
	06/11/03	180	180	73.9	73.9	II	E314.0	{ND on all 1} analytes			
	06/11/03	190	190	83.9	83.9	II	E314.0	{ND on all 1} analytes			
	06/11/03	200	200	93.9	93.9	II	E314.0	{ND on all 1} analytes			
	06/11/03	210	210	103.9	103.9	II	E314.0	{ND on all 1} analytes			
	06/11/03	220	220	113.9	113.9	II	E314.0	{ND on all 1} analytes			
	06/11/03	230	230	123.9	123.9	II	E314.0	{ND on all 1} analytes			
	06/12/03	240	240	133.9	133.9	II	E314.0	{ND on all 1} analytes			
	06/12/03	248	248	141.9	141.9	II	E314.0	{ND on all 1} analytes			
MW-278	06/18/03	100	100	16.7	16.7	II	8330N	2,4,6-TRINITROTOLUENE	0.39 J	ug/l	
	06/18/03	100	100	16.7	16.7	II	8330N	2,6-DINITROTOLUENE	3.8 J	ug/l	
	06/18/03	110	110	26.7	26.7	II	8330N	2,4,6-TRINITROTOLUENE	0.27 J	ug/l	
	06/18/03	110	110	26.7	26.7	II	8330N	2,6-DINITROTOLUENE	3.1 J	ug/l	
	06/18/03	120	120	36.7	36.7	II	8330N	1,3,5-TRINITROBENZENE	0.31 J	ug/l	
	06/18/03	130	130	46.7	46.7	II	8330N	{ND on all 19} analytes			
	06/18/03	140	140	56.7	56.7	II	8330N	{ND on all 19} analytes			
	06/18/03	150	150	66.7	66.7	II	8330N	{ND on all 19} analytes			
	06/19/03	150	150	66.7	66.7	II	8330N	{ND on all 19} analytes			
	06/19/03	150	150	66.7	66.7	II	8330N	{ND on all 19} analytes			
	06/19/03	160	160	76.7	76.7	II	8330N	{ND on all 19} analytes			
	06/19/03	170	170	86.7	86.7	II	8330N	2,4-DIAMINO-6-NITROTOLUENE	0.29 J	ug/l	
	06/19/03	180	180	96.7	96.7	II	8330N	2,4,6-TRINITROTOLUENE	0.41 J	ug/l	
	06/19/03	190	190	106.7	106.7	II	8330N	{ND on all 19} analytes			
	06/19/03	200	200	116.7	116.7	II	8330N	2,4,6-TRINITROTOLUENE	0.53 J	ug/l	
	06/19/03	210	210	126.7	126.7	II	8330N	{ND on all 19} analytes			
	06/20/03	220	220	136.7	136.7	II	8330N	2,4,6-TRINITROTOLUENE	0.29 J	ug/l	
	06/20/03	230	230	146.7	146.7	II	8330N	{ND on all 19} analytes			
	06/18/03	100	100	16.7	16.7	II	E314.0	PERCHLORATE	3.6	ug/l	
	06/18/03	110	110	26.7	26.7	II	E314.0	PERCHLORATE	1.3	ug/l	
	06/18/03	120	120	36.7	36.7	II	E314.0	{ND on all 1} analytes			
	06/18/03	130	130	46.7	46.7	II	E314.0	{ND on all 1} analytes			
	06/18/03	140	140	56.7	56.7	II	E314.0	{ND on all 1} analytes			
	06/18/03	150	150	66.7	66.7	II	E314.0	{ND on all 1} analytes			
	06/19/03	160	160	76.7	76.7	II	E314.0	{ND on all 1} analytes			
	06/19/03	170	170	86.7	86.7	II	E314.0	{ND on all 1} analytes			
	06/19/03	180	180	96.7	96.7	II	E314.0	{ND on all 1} analytes			
	06/19/03	190	190	106.7	106.7	II	E314.0	{ND on all 1} analytes			
	06/19/03	200	200	116.7	116.7	II	E314.0	{ND on all 1} analytes			
	06/19/03	210	210	126.7	126.7	II	E314.0	{ND on all 1} analytes			
	06/20/03	220	220	136.7	136.7	II	E314.0	{ND on all 1} analytes			
	06/20/03	230	230	146.7	146.7	II	E314.0	{ND on all 1} analytes			

Table 4-6
Profile Sampling Results
Northwest Corner Study Area

WELL ID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS	PDA
	06/19/03	100	100	31.0	31.0	II	8330N	{ND on all 19} analytes			
	06/20/03	110	110	41.0	41.0	II	8330N	{ND on all 19} analytes			
	06/20/03	120	120	51.0	51.0	II	8330N	{ND on all 19} analytes			
	06/20/03	130	130	61.0	61.0	II	8330N	{ND on all 19} analytes			
	06/20/03	140	140	71.0	71.0	II	8330N	{ND on all 19} analytes			
	06/20/03	140	140	71.0	71.0	II	8330N	{ND on all 19} analytes			
	06/23/03	150	150	81.0	81.0	II	8330N	{ND on all 19} analytes			
	06/23/03	160	160	91.0	91.0	II	8330N	{ND on all 19} analytes			
	06/23/03	170	170	101.0	101.0	II	8330N	{ND on all 19} analytes			
	06/23/03	180	180	111.0	111.0	II	8330N	{ND on all 19} analytes			
	06/23/03	190	190	121.0	121.0	II	8330N	{ND on all 19} analytes			
	06/24/03	200	200	131.0	131.0	II	8330N	{ND on all 19} analytes			
	06/24/03	210	210	141.0	141.0	II	8330N	{ND on all 19} analytes			
	06/27/03	220	220	151.0	151.0	II	8330N	{ND on all 19} analytes			
MW-279	06/27/03	224	224	155.0	155.0	II	8330N	{ND on all 19} analytes			
	06/19/03	100	100	31.0	31.0	II	E314.0	PERCHLORATE	5.5	ug/l	
	06/20/03	110	110	41.0	41.0	II	E314.0	{ND on all 1} analytes			
	06/20/03	120	120	51.0	51.0	II	E314.0	{ND on all 1} analytes			
	06/20/03	130	130	61.0	61.0	II	E314.0	{ND on all 1} analytes			
	06/20/03	140	140	71.0	71.0	II	E314.0	{ND on all 1} analytes			
	06/20/03	140	140	71.0	71.0	II	E314.0	{ND on all 1} analytes			
	06/23/03	150	150	81.0	81.0	II	E314.0	{ND on all 1} analytes			
	06/23/03	160	160	91.0	91.0	II	E314.0	{ND on all 1} analytes			
	06/23/03	170	170	101.0	101.0	II	E314.0	{ND on all 1} analytes			
	06/23/03	180	180	111.0	111.0	II	E314.0	{ND on all 1} analytes			
	06/23/03	190	190	121.0	121.0	II	E314.0	{ND on all 1} analytes			
	06/24/03	200	200	131.0	131.0	II	E314.0	{ND on all 1} analytes			
	06/24/03	210	210	141.0	141.0	II	E314.0	{ND on all 1} analytes			
	06/27/03	220	220	151.0	151.0	II	E314.0	{ND on all 1} analytes			
	06/27/03	224	224	155.0	155.0	II	E314.0	{ND on all 1} analytes			
	08/27/03	20	20	9.7	9.7	II	E314.0	{ND on all 1} analytes			
	08/27/03	30	30	19.7	19.7	II	E314.0	PERCHLORATE	1.14	ug/l	
	08/27/03	40	40	29.7	29.7	II	E314.0	PERCHLORATE	1.38	ug/l	
	08/27/03	40	40	29.7	29.7	II	E314.0	PERCHLORATE	1.27	ug/l	
	08/27/03	50	50	39.7	39.7	II	E314.0	PERCHLORATE	1.08	ug/l	
	08/27/03	60	60	49.7	49.7	II	E314.0	PERCHLORATE	0.6 J	ug/l	
	08/27/03	70	70	59.7	59.7	II	E314.0	{ND on all 1} analytes			
	08/27/03	80	80	69.7	69.7	II	E314.0	{ND on all 1} analytes			
	08/27/03	90	90	79.7	79.7	II	E314.0	{ND on all 1} analytes			
	08/28/03	100	100	89.7	89.7	II	E314.0	{ND on all 1} analytes			
	08/28/03	110	110	99.7	99.7	II	E314.0	{ND on all 1} analytes			
	08/28/03	110	110	99.7	99.7	II	E314.0	{ND on all 1} analytes			
	08/28/03	120	120	109.7	109.7	II	E314.0	{ND on all 1} analytes			
	08/28/03	130	130	119.7	119.7	II	E314.0	{ND on all 1} analytes			
	09/02/03	140	140	129.7	129.7	II	E314.0	{ND on all 1} analytes			
MW-283	09/02/03	144.6	144.6	134.3	134.3	II	E314.0	{ND on all 1} analytes			
	08/27/03	20	20	9.7	9.7	3	8330N	{ND on all 19} analytes			
	08/27/03	30	30	19.7	19.7	3	8330N	{ND on all 19} analytes			
	08/27/03	40	40	29.7	29.7	3	8330N	{ND on all 19} analytes			
	08/27/03	50	50	39.7	39.7	3	8330N	{ND on all 19} analytes			
	08/27/03	60	60	49.7	49.7	3	8330N	{ND on all 19} analytes			
	08/27/03	70	70	59.7	59.7	3	8330N	{ND on all 19} analytes			
	08/27/03	80	80	69.7	69.7	3	8330N	{ND on all 19} analytes			
	08/27/03	90	90	79.7	79.7	3	8330N	{ND on all 19} analytes			
	08/28/03	100	100	89.7	89.7	II	8330N	{ND on all 19} analytes			
	08/28/03	110	110	99.7	99.7	II	8330N	{ND on all 19} analytes			
	08/28/03	110	110	99.7	99.7	II	8330N	{ND on all 19} analytes			
	08/28/03	120	120	109.7	109.7	II	8330N	{ND on all 19} analytes			
	08/28/03	130	130	119.7	119.7	II	8330N	{ND on all 19} analytes			
	09/02/03	140	140	129.7	129.7	II	8330N	{ND on all 19} analytes			
	09/02/03	144.6	144.6	134.3	134.3	II	8330N	{ND on all 19} analytes			

Table 4-6
Profile Sampling Results
Northwest Corner Study Area

WELL ID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS	PDA
MW-284	08/14/03	30	30	6.1	6.1	II	8330N	{ND on all 19} analytes			
	08/18/03	40	40	16.1	16.1	II	8330N	{ND on all 19} analytes			
	08/18/03	50	50	26.1	26.1	II	8330N	{ND on all 19} analytes			
	08/18/03	50	50	26.1	26.1	II	8330N	{ND on all 19} analytes			
	08/18/03	60	60	36.1	36.1	II	8330N	{ND on all 19} analytes			
	08/18/03	70	70	46.1	46.1	II	8330N	{ND on all 19} analytes			
	08/19/03	80	80	56.1	56.1	II	8330N	{ND on all 19} analytes			
	08/19/03	90	90	66.1	66.1	II	8330N	{ND on all 19} analytes			
	08/19/03	100	100	76.1	76.1	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	1.1	ug/l	
	08/19/03	110	110	86.1	86.1	II	8330N	{ND on all 19} analytes			
	08/19/03	120	120	96.1	96.1	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	1.2 J	ug/l	
	08/19/03	120	120	96.1	96.1	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	1.2 J	ug/l	
	08/19/03	130	130	106.1	106.1	II	8330N	{ND on all 19} analytes			
	08/19/03	140	140	116.1	116.1	II	8330N	{ND on all 19} analytes			
	08/19/03	146.5	146.5	126.1	126.1	II	8330N	{ND on all 19} analytes			
	08/14/03	30	30	6.1	6.1	II	E314.0	{ND on all 1} analytes			
	08/18/03	40	40	16.1	16.1	II	E314.0	PERCHLORATE	2.09	ug/l	
	08/18/03	50	50	26.1	26.1	II	E314.0	PERCHLORATE	2.66	ug/l	
	08/18/03	50	50	26.1	26.1	II	E314.0	PERCHLORATE	2.7	ug/l	
	08/18/03	60	60	36.1	36.1	II	E314.0	PERCHLORATE	1.84	ug/l	
	08/18/03	70	70	46.1	46.1	II	E314.0	{ND on all 1} analytes			
	08/19/03	80	80	56.1	56.1	3	E314.0	{ND on all 1} analytes			
	08/19/03	90	90	66.1	66.1	3	E314.0	{ND on all 1} analytes			
	08/19/03	100	100	76.1	76.1	3	E314.0	{ND on all 1} analytes			
	08/19/03	110	110	86.1	86.1	3	E314.0	{ND on all 1} analytes			
	08/19/03	120	120	96.1	96.1	3	E314.0	{ND on all 1} analytes			
	08/19/03	120	120	96.1	96.1	3	E314.0	{ND on all 1} analytes			
	08/19/03	130	130	106.1	106.1	3	E314.0	{ND on all 1} analytes			
	08/19/03	140	140	116.1	116.1	3	E314.0	{ND on all 1} analytes			
	08/19/03	146.5	146.5	126.1	126.1	3	E314.0	{ND on all 1} analytes			
MW-287	10/03/03	135	135	0.4	0.4	II	E314.0	PERCHLORATE	1.66	ug/l	
	10/06/03	140	140	5.4	5.4	II	E314.0	PERCHLORATE	1.38	ug/l	
	10/07/03	150	150	15.4	15.4	II	E314.0	PERCHLORATE	1.23	ug/l	
	10/07/03	160	160	25.4	25.4	II	E314.0	PERCHLORATE	0.78 J	ug/l	
	10/08/03	170	170	35.4	35.4	II	E314.0	PERCHLORATE	0.39 J		
	10/08/03	180	180	45.4	45.4	II	E314.0	{ND on all 1} analytes			
	10/09/03	190	190	55.4	55.4	II	E314.0	{ND on all 1} analytes			
	10/09/03	200	200	65.4	65.4	II	E314.0	{ND on all 1} analytes			
	10/09/03	200	200	65.4	65.4	II	E314.0	{ND on all 1} analytes			
	10/09/03	210	210	75.4	75.4	II	E314.0	{ND on all 1} analytes			
	10/09/03	220	220	85.4	85.4	II	E314.0	{ND on all 1} analytes			
	10/10/03	230	230	95.4	95.4	II	E314.0	{ND on all 1} analytes			
	10/10/03	240	240	105.4	105.4	II	E314.0	{ND on all 1} analytes			
	10/10/03	250	250	115.4	115.4	II	E314.0	{ND on all 1} analytes			
	10/10/03	250	250	115.4	115.4	II	E314.0	{ND on all 1} analytes			
	10/14/03	260	260	125.4	125.4	II	E314.0	{ND on all 1} analytes			
	10/14/03	270	270	135.4	135.4	II	E314.0	{ND on all 1} analytes			
	10/14/03	280	280	145.4	145.4	II	E314.0	{ND on all 1} analytes			
	10/03/03	135	135	0.4	0.4	II	8330N	{ND on all 19} analytes			
	10/07/03	140	140	5.4	5.4	II	8330N	{ND on all 19} analytes			
	10/07/03	150	150	15.4	15.4	II	8330N	{ND on all 19} analytes			
	10/07/03	160	160	25.4	25.4	II	8330N	{ND on all 19} analytes			
	10/08/03	170	170	35.4	35.4	II	8330N	{ND on all 19} analytes			
	10/08/03	180	180	45.4	45.4	II	8330N	{ND on all 19} analytes			
	10/09/03	190	190	55.4	55.4	II	8330N	{ND on all 19} analytes			
	10/09/03	200	200	65.4	65.4	II	8330N	{ND on all 19} analytes			
	10/09/03	200	200	65.4	65.4	II	8330N	{ND on all 19} analytes			
	10/09/03	210	210	75.4	75.4	II	8330N	{ND on all 19} analytes			
	10/09/03	220	220	85.4	85.4	II	8330N	{ND on all 19} analytes			
	10/10/03	230	230	95.4	95.4	II	8330N	{ND on all 19} analytes			
	10/10/03	240	240	105.4	105.4	II	8330N	{ND on all 19} analytes			
	10/10/03	250	250	115.4	115.4	II	8330N	{ND on all 19} analytes			
	10/10/03	250	250	115.4	115.4	II	8330N	{ND on all 19} analytes			
	10/14/03	260	260	125.4	125.4	II	8330N	{ND on all 19} analytes			
	10/14/03	270	270	135.4	135.4	II	8330N	{ND on all 19} analytes			
	10/14/03	280	280	145.4	145.4	II	8330N	{ND on all 19} analytes			

Table 4-6
Profile Sampling Results
Northwest Corner Study Area

WELL ID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS	PDA
MW-297	11/05/03	80	80	7.9	7.9	II	8330N	{ND on all 19} analytes			
	11/05/03	90	90	17.9	17.9	II	8330N	{ND on all 19} analytes			
	11/06/03	100	100	27.9	27.9	II	8330N	{ND on all 19} analytes			
	11/06/03	110	110	37.9	37.9	II	8330N	{ND on all 19} analytes			
	11/06/03	110	110	37.9	37.9	II	8330N	{ND on all 19} analytes			
	11/06/03	130	130	57.9	57.9	II	8330N	{ND on all 19} analytes			
	11/06/03	140	140	67.9	67.9	II	8330N	{ND on all 19} analytes			
	11/06/03	150	150	77.9	77.9	II	8330N	{ND on all 19} analytes			
	11/07/03	160	160	87.9	87.9	II	8330N	{ND on all 19} analytes			
	11/07/03	170	170	97.9	97.9	II	8330N	{ND on all 19} analytes			
	11/07/03	180	180	107.9	107.9	II	8330N	{ND on all 19} analytes			
	11/05/03	80	80	7.9	7.9	II	E314.0	PERCHLORATE	8.19	ug/L	
	11/05/03	90	90	17.9	17.9	II	E314.0	PERCHLORATE	3.88	ug/L	
	11/06/03	100	100	27.9	27.9	II	E314.0	PERCHLORATE	2.2	ug/L	
	11/06/03	110	110	37.9	37.9	II	E314.0	{ND on all 1} analytes			
	11/06/03	110	110	37.9	37.9	II	E314.0	{ND on all 1} analytes			
	11/06/03	130	130	57.9	57.9	II	E314.0	{ND on all 1} analytes			
	11/06/03	140	140	67.9	67.9	II	E314.0	{ND on all 1} analytes			
	11/06/03	150	150	77.9	77.9	II	E314.0	{ND on all 1} analytes			
	11/07/03	160	160	87.9	87.9	II	E314.0	{ND on all 1} analytes			
	11/07/03	170	170	97.9	97.9	II	E314.0	{ND on all 1} analytes			
	11/07/03	180	180	107.9	107.9	II	E314.0	{ND on all 1} analytes			
MW-298	11/18/03	96	96	11.1	11.1	II	8330N	{ND on all 19} analytes			
	11/18/03	110	110	21.1	21.1	II	8330N	{ND on all 19} analytes			
	11/18/03	120	120	31.1	31.1	II	8330N	{ND on all 19} analytes			
	11/18/03	120	120	31.1	31.1	II	8330N	{ND on all 19} analytes			
	11/18/03	130	130	41.1	41.1	II	8330N	{ND on all 19} analytes			
	11/19/03	140	140	51.1	51.1	II	8330N	{ND on all 19} analytes			
	11/19/03	150	150	61.1	61.1	II	8330N	{ND on all 19} analytes			
	11/19/03	160	160	71.1	71.1	II	8330N	{ND on all 19} analytes			
	11/19/03	170	170	81.1	81.1	II	8330N	{ND on all 19} analytes			
	11/19/03	170	170	81.1	81.1	II	8330N	{ND on all 19} analytes			
	11/19/03	180	180	91.1	91.1	II	8330N	{ND on all 19} analytes			
	11/19/03	190	190	101.1	101.1	II	8330N	{ND on all 19} analytes			
	11/20/03	200	200	111.1	111.1	II	8330N	{ND on all 19} analytes			
	11/21/03	220	220	131.1	131.1	II	8330N	{ND on all 19} analytes			
	11/24/03	240	240	151.1	151.1	II	8330N	{ND on all 19} analytes			
	11/24/03	248	248	159.1	159.1	II	8330N	{ND on all 19} analytes			
	11/18/03	96	96	11.1	11.1	II	E314.0	PERCHLORATE	0.81 J	ug/L	
	11/18/03	110	110	21.1	21.1	II	E314.0	PERCHLORATE	0.44 J	ug/L	
	11/18/03	120	120	31.1	31.1	II	E314.0	{ND on all 1} analytes			
	11/18/03	120	120	31.1	31.1	II	E314.0	{ND on all 1} analytes			
	11/18/03	130	130	41.1	41.1	II	E314.0	{ND on all 1} analytes			
	11/19/03	140	140	51.1	51.1	II	E314.0	{ND on all 1} analytes			
	11/19/03	150	150	61.1	61.1	II	E314.0	{ND on all 1} analytes			
	11/19/03	160	160	71.1	71.1	II	E314.0	{ND on all 1} analytes			
	11/19/03	170	170	81.1	81.1	II	E314.0	{ND on all 1} analytes			
	11/19/03	180	180	91.1	91.1	II	E314.0	{ND on all 1} analytes			
	11/19/03	190	190	101.1	101.1	II	E314.0	{ND on all 1} analytes			
	11/20/03	200	200	111.1	111.1	II	E314.0	PERCHLORATE	0.74 J	ug/L	
	11/21/03	220	220	131.1	131.1	3	E314.0	{ND on all 1} analytes			
	11/24/03	240	240	151.1	151.1	3	E314.0	{ND on all 1} analytes			
	11/24/03	248	248	159.1	159.1	3	E314.0	{ND on all 1} analytes			

Table 4-6
Profile Sampling Results
Northwest Corner Study Area

WELL ID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS	PDA
MW-301	12/12/03	100	100	1	1	II	8330N	{ND on all 19} analytes			
	12/16/03	110	110	11	11	II	8330N	{ND on all 19} analytes			
	12/17/03	120	120	21	21	II	8330N	{ND on all 19} analytes			
	12/17/03	120	120	21	21	II	8330N	{ND on all 19} analytes			
	12/17/03	130	130	31	31	II	8330N	{ND on all 19} analytes			
	12/17/03	140	140	41	41	II	8330N	{ND on all 19} analytes			
	12/17/03	150	150	51	51	II	8330N	{ND on all 19} analytes			
	12/22/03	160	160	61	61	II	8330N	{ND on all 19} analytes			
	12/22/03	170	170	71	71	II	8330N	{ND on all 19} analytes			
	12/22/03	170	170	71	71	II	8330N	{ND on all 19} analytes			
	12/22/03	180	180	81	81	II	8330N	{ND on all 19} analytes			
	12/23/03	190	190	91	91	II	8330N	{ND on all 19} analytes			
	01/21/04	200	200	101	101	II	8330N	{ND on all 19} analytes			
	01/21/04	210	210	111	111	II	8330N	{ND on all 19} analytes			
	01/21/04	220	220	121	121	II	8330N	{ND on all 19} analytes			
	01/22/04	230	230	131	131	II	8330N	{ND on all 19} analytes			
	01/22/04	240	240	141	141	II	8330N	{ND on all 19} analytes			
	01/22/04	248	248	149	149	II	8330N	{ND on all 19} analytes			
	12/12/03	100	100	1.8	1.8	II	E314.0	PERCHLORATE	0.53 J	ug/L	
	12/16/03	110	110	11.8	11.8	II	E314.0	{ND on all 1} analytes			
	12/17/03	120	120	21.8	21.8	II	E314.0	{ND on all 1} analytes			
	12/17/03	120	120	21.8	21.8	II	E314.0	{ND on all 1} analytes			
	12/17/03	130	130	31.8	31.8	II	E314.0	{ND on all 1} analytes			
	12/17/03	140	140	41.8	41.8	II	E314.0	{ND on all 1} analytes			
	12/17/03	150	150	51.8	51.8	II	E314.0	{ND on all 1} analytes			
	12/22/03	160	160	61.8	61.8	II	E314.0	{ND on all 1} analytes			
	12/22/03	170	170	71.8	71.8	II	E314.0	{ND on all 1} analytes			
	12/23/03	170	170	71.8	71.8	II	E314.1	{ND on all 1} analytes			
	12/22/03	180	180	81	81	II	E314.0	{ND on all 1} analytes			
	12/23/03	190	190	91	91	II	E314.0	{ND on all 1} analytes			
	01/21/04	200	200	101	101	II	E314.0	{ND on all 1} analytes			
	01/21/04	210	210	111	111	II	E314.0	{ND on all 1} analytes			
	01/21/04	220	220	121	121	II	E314.0	PERCHLORATE	0.42 J	ug/L	
	01/22/04	230	230	131	131	II	E314.0	PERCHLORATE	0.5 J	ug/L	
	01/22/04	240	240	141	141	II	E314.0	{ND on all 1} analytes			
	01/22/04	248	248	149	149	II	E314.0	{ND on all 1} analytes			
MW-309	02/04/04	40	40	7.3	7.3	II	8330N	{ND on all 19} analytes			
	02/04/04	50	50	17.3	17.3	II	8330N	{ND on all 19} analytes			
	02/04/04	50	50	17.3	17.3	II	8330N	{ND on all 19} analytes			
	02/05/04	60	60	27.3	27.3	II	8330N	{ND on all 19} analytes			
	02/06/04	70	70	37.3	37.3	II	8330N	{ND on all 19} analytes			
	02/06/04	80	80	47.3	47.3	II	8330N	{ND on all 19} analytes			
	02/06/04	90	90	57.3	57.3	II	8330N	{ND on all 19} analytes			
	02/09/04	100	100	67.3	67.3	II	8330N	{ND on all 19} analytes			
	02/09/04	110	110	77.3	77.3	II	8330N	{ND on all 19} analytes			
	02/09/04	120	120	87.3	87.3	II	8330N	{ND on all 19} analytes			
	02/09/04	130	130	97.3	97.3	II	8330N	{ND on all 19} analytes			
	02/09/04	130	130	97.3	97.3	II	8330N	{ND on all 19} analytes			
	02/09/04	140	140	107.3	107.3	II	8330N	{ND on all 19} analytes			
	02/10/04	150	150	117.3	117.3	II	8330N	{ND on all 19} analytes			
	02/04/04	40	40	7.3	7.3	II	E314.0	PERCHLORATE	0.66 J	ug/L	
	02/04/04	50	50	17.3	17.3	II	E314.0	PERCHLORATE	0.71 J	ug/L	
	02/04/04	50	50	17.3	17.3	II	E314.0	PERCHLORATE	0.68 J	ug/L	
	02/05/04	60	60	27.3	27.3	II	E314.0	PERCHLORATE	0.96 J	ug/L	
	02/06/04	70	70	37.3	37.3	II	E314.0	PERCHLORATE	1.15	ug/L	
	02/06/04	80	80	47.3	47.3	II	E314.0	PERCHLORATE	0.62 J	ug/L	
	02/06/04	90	90	57.3	57.3	II	E314.0	{ND on all 1} analytes			
	02/09/04	100	100	67.3	67.3	II	E314.0	{ND on all 1} analytes			
	02/09/04	110	110	77.3	77.3	II	E314.0	{ND on all 1} analytes			
	02/09/04	120	120	87.3	87.3	II	E314.0	{ND on all 1} analytes			
	02/09/04	130	130	97.3	97.3	II	E314.0	{ND on all 1} analytes			
	02/09/04	130	130	97.3	97.3	II	E314.0	{ND on all 1} analytes			
	02/09/04	140	140	107.3	107.3	II	E314.0	{ND on all 1} analytes			
	02/10/04	150	150	117.3	117.3	II	E314.0	{ND on all 1} analytes			

Table 4-6
Profile Sampling Results
Northwest Corner Study Area

WELL ID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS	PDA
MW-314	02/17/04	30	30	4.4	4.4	II	8330N	{ND on all 19} analytes			
	02/18/04	40	40	14.4	14.4	II	8330N	{ND on all 19} analytes			
	02/18/04	40	40	14.4	14.4	II	8330N	{ND on all 19} analytes			
	02/18/04	50	50	24.4	24.4	II	8330N	{ND on all 19} analytes			
	02/18/04	60	60	34.4	34.4	II	8330N	{ND on all 19} analytes			
	02/18/04	70	70	44.4	44.4	II	8330N	{ND on all 19} analytes			
	02/18/04	80	80	54.4	54.4	II	8330N	{ND on all 19} analytes			
	02/18/04	90	90	64.4	64.4	II	8330N	{ND on all 19} analytes			
	02/19/04	100	100	74.4	74.4	II	8330N	{ND on all 19} analytes			
	02/19/04	110	110	84.4	84.4	II	8330N	{ND on all 19} analytes			
	02/19/04	120	120	94.4	94.4	II	8330N	{ND on all 19} analytes			
	02/19/04	130	130	104.4	104.4	II	8330N	{ND on all 19} analytes			
	02/19/04	140	140	114.4	114.4	II	8330N	{ND on all 19} analytes			
	02/17/04	30	30	4.4	4.4	II	E314.0	PERCHLORATE	0.43 J	ug/L	
	02/18/04	40	40	14.4	14.4	II	E314.0	PERCHLORATE	0.71 J	ug/L	
	02/18/04	40	40	14.4	14.4	II	E314.0	PERCHLORATE	0.82 J	ug/L	
	02/18/04	50	50	24.4	24.4	II	E314.0	PERCHLORATE	0.63 J	ug/L	
	02/18/04	60	60	34.4	34.4	II	E314.0	{ND on all 1} analytes			
	02/18/04	70	70	44.4	44.4	II	E314.0	{ND on all 1} analytes			
	02/18/04	80	80	54.4	54.4	II	E314.0	{ND on all 1} analytes			
	02/18/04	90	90	64.4	64.4	II	E314.0	{ND on all 1} analytes			
	02/19/04	100	100	74.4	74.4	II	E314.0	{ND on all 1} analytes			
	02/19/04	110	110	84.4	84.4	II	E314.0	{ND on all 1} analytes			
	02/19/04	120	120	94.4	94.4	II	E314.0	{ND on all 1} analytes			
	02/19/04	130	130	104.4	104.4	II	E314.0	{ND on all 1} analytes			
	02/19/04	140	140	114.4	114.4	II	E314.0	{ND on all 1} analytes			
MW-320	03/09/04	115	115	0	0	II	8330N	{ND on all 19} analytes			
	03/09/04	125	125	8.9	8.9	II	8330N	{ND on all 19} analytes			
	03/09/04	125	125	8.9	8.9	II	8330N	{ND on all 19} analytes			
	03/10/04	135	135	18.9	18.9	II	8330N	{ND on all 19} analytes			
	03/10/04	145	145	28.9	28.9	II	8330N	{ND on all 19} analytes			
	03/10/04	155	155	38.9	38.9	II	8330N	{ND on all 19} analytes			
	03/10/04	165	165	48.9	48.9	II	8330N	{ND on all 19} analytes			
	03/10/04	175	175	58.9	58.9	II	8330N	{ND on all 19} analytes			
	03/11/04	185	185	68.9	68.9	II	8330N	{ND on all 19} analytes			
	03/11/04	195	195	78.9	78.9	II	8330N	{ND on all 19} analytes			
	03/11/04	205	205	88.9	88.9	II	8330N	{ND on all 19} analytes			
	03/12/04	215	215	98.9	98.9	II	8330N	{ND on all 19} analytes			
	03/12/04	215	215	98.9	98.9	II	8330N	{ND on all 19} analytes			
	03/12/04	225	225	108.9	108.9	II	8330N	{ND on all 19} analytes			
	03/12/04	235	235	118.9	118.9	II	8330N	{ND on all 19} analytes			
	03/12/04	245	245	128.9	128.9	II	8330N	{ND on all 19} analytes			
	03/12/04	255	255	138.9	138.9	II	8330N	{ND on all 19} analytes			
	03/15/04	265	265	148.9	148.9	II	8330N	{ND on all 19} analytes			
	03/15/04	270	270	153.9	153.9	II	8330N	{ND on all 19} analytes			
	03/09/04	115	115	0	0	II	E314.0	PERCHLORATE	2.11	ug/l	
	03/09/04	125	125	8.9	8.9	II	E314.0	PERCHLORATE	1.99	ug/l	
	03/09/04	125	125	8.9	8.9	II	E314.0	PERCHLORATE	1.72	ug/l	
	03/10/04	135	135	18.9	18.9	II	E314.0	PERCHLORATE	1.37	ug/L	
	03/10/04	145	145	28.9	28.9	II	E314.0	PERCHLORATE	0.88 J	ug/L	
	03/10/04	155	155	38.9	38.9	II	E314.0	{ND on all 1} analytes			
	03/10/04	165	165	48.9	48.9	II	E314.0	{ND on all 1} analytes			
	03/10/04	175	175	58.9	58.9	II	E314.0	{ND on all 1} analytes			
	03/11/04	185	185	68.9	68.9	II	E314.0	{ND on all 1} analytes			
	03/11/04	195	195	78.9	78.9	II	E314.0	{ND on all 1} analytes			
	03/11/04	205	205	88.9	88.9	II	E314.0	{ND on all 1} analytes			
	03/12/04	215	215	98.9	98.9	II	E314.0	{ND on all 1} analytes			
	03/12/04	215	215	98.9	98.9	II	E314.0	{ND on all 1} analytes			
	03/12/04	225	225	108.9	108.9	II	E314.0	{ND on all 1} analytes			
	03/12/04	235	235	118.9	118.9	II	E314.0	{ND on all 1} analytes			
	03/12/04	245	245	128.9	128.9	II	E314.0	{ND on all 1} analytes			
	03/12/04	255	255	138.9	138.9	II	E314.0	{ND on all 1} analytes			
	03/15/04	265	265	148.9	148.9	II	E314.0	{ND on all 1} analytes			
	03/15/04	270	270	153.9	153.9	II	E314.0	{ND on all 1} analytes			

Table 4-6
Profile Sampling Results
Northwest Corner Study Area

WELL ID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS	PDA
MW-323	03/25/04	78	78	3.2	3.2	II	8330N	{ND on all 19} analytes			
	03/25/04	85	85	10.2	10.2	II	8330N	{ND on all 19} analytes			
	03/25/04	85	85	10.2	10.2	II	8330N	{ND on all 19} analytes			
	03/25/04	95	95	20.2	20.2	II	8330N	{ND on all 19} analytes			
	03/25/04	105	105	30.2	30.2	II	8330N	{ND on all 19} analytes			
	03/25/04	115	115	40.2	40.2	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.59 J	ug/L	
	03/25/04	125	125	50.2	50.2	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	5.5 J	ug/L	
	03/25/04	135	135	60.2	60.2	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	3.1	ug/L	
	03/25/04	145	145	70.2	70.2	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.59	ug/L	
	03/25/04	155	155	80.2	80.2	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	2.7	ug/L	
	03/26/04	165	165	90.2	90.2	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.77	ug/L	
	03/26/04	175	175	100.2	100.2	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	1.4	ug/L	
	03/26/04	185	185	110.2	110.2	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	1.2	ug/L	
	03/26/04	195	195	120.2	120.2	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	2.1	ug/L	
	03/29/04	205	205	130.2	130.2	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.77	ug/L	
	03/29/04	205	205	130.2	130.2	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.81	ug/L	
	03/29/04	215	215	140.2	140.2	II	8330N	{ND on all 19} analytes			
	03/29/04	225	225	150.2	150.2	II	8330N	{ND on all 19} analytes			
	03/25/04	78	78	3.2	3.2	3	E314.0	PERCHLORATE	3.69	ug/l	
	03/25/04	85	85	10.2	10.2	3	E314.0	PERCHLORATE	2.66	ug/l	
	03/25/04	85	85	10.2	10.2	3	E314.0	PERCHLORATE	2.6	ug/l	
	03/25/04	95	95	20.2	20.2	3	E314.0	PERCHLORATE	2.49	ug/l	
	03/25/04	105	105	30.2	30.2	3	E314.0	{ND on all 1} analytes			
	03/25/04	115	115	40.2	40.2	3	E314.0	{ND on all 1} analytes			
	03/25/04	125	125	50.2	50.2	3	E314.0	PERCHLORATE	0.55 J	ug/L	
	03/25/04	135	135	60.2	60.2	3	E314.0	{ND on all 1} analytes			
	03/25/04	145	145	70.2	70.2	3	E314.0	{ND on all 1} analytes			
	03/25/04	155	155	80.2	80.2	3	E314.0	{ND on all 1} analytes			
	03/26/04	165	165	90.2	90.2	3	E314.0	{ND on all 1} analytes			
	03/26/04	175	175	100.2	100.2	3	E314.0	{ND on all 1} analytes			
	03/26/04	185	185	110.2	110.2	3	E314.0	{ND on all 1} analytes			
	03/26/04	195	195	120.2	120.2	II	E314.0	{ND on all 1} analytes			
	03/29/04	205	205	130.2	130.2	II	E314.0	{ND on all 1} analytes			
	03/29/04	205	205	130.2	130.2	II	E314.0	{ND on all 1} analytes			
	03/29/04	215	215	140.2	140.2	II	E314.0	{ND on all 1} analytes			
	03/29/04	225	225	150.2	150.2	II	E314.0	{ND on all 1} analytes			
MW-332	05/20/04	130	130	9	9	II	8330N	{ND on all 19} analytes			
	05/20/04	140	140	19	19	II	8330N	{ND on all 19} analytes			
	05/20/04	150	150	29	29	II	8330N	{ND on all 19} analytes			
	05/20/04	150	150	29	29	II	8330N	{ND on all 19} analytes			
	05/24/04	160	160	39	39	II	8330N	{ND on all 19} analytes			
	05/24/04	170	170	49	49	II	8330N	{ND on all 19} analytes			
	05/24/04	180	180	59	59	II	8330N	{ND on all 19} analytes			
	05/24/04	190	190	69	69	II	8330N	{ND on all 19} analytes			
	05/24/04	200	200	79	79	II	8330N	{ND on all 19} analytes			
	05/24/04	210	210	89	89	II	8330N	{ND on all 19} analytes			
	05/24/04	220	220	99	99	II	8330N	{ND on all 19} analytes			
	05/24/04	220	220	99	99	II	8330N	{ND on all 19} analytes			
	05/25/04	230	230	109	109	II	8330N	{ND on all 19} analytes			
	05/25/04	240	240	119	119	II	8330N	{ND on all 19} analytes			
	05/25/04	250	250	129	129	II	8330N	{ND on all 19} analytes			
	05/25/04	260	260	139	139	II	8330N	{ND on all 19} analytes			
	05/25/04	270	270	149	149	II	8330N	{ND on all 19} analytes			
	05/20/04	130	130	9	9	II	E314.0	PERCHLORATE	0.5 J	ug/l	
	05/20/04	140	140	19	19	II	E314.0	{ND on all 1} analytes			
	05/20/04	150	150	29	29	II	E314.0	{ND on all 1} analytes			
	05/20/04	150	150	29	29	II	E314.0	{ND on all 1} analytes			
	05/24/04	160	160	39	39	II	E314.0	{ND on all 1} analytes			
	05/24/04	170	170	49	49	II	E314.0	{ND on all 1} analytes			

Table 4-6
Profile Sampling Results
Northwest Corner Study Area

WELL ID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS	PDA
	05/24/04	180	180	59	59	II	E314.0	{ND on all 1} analytes			
	05/24/04	190	190	69	69	II	E314.0	{ND on all 1} analytes			
	05/24/04	200	200	79	79	II	E314.0	{ND on all 1} analytes			
	05/24/04	210	210	89	89	II	E314.0	{ND on all 1} analytes			
	05/24/04	220	220	99	99	II	E314.0	{ND on all 1} analytes			
	05/24/04	220	220	99	99	II	E314.0	{ND on all 1} analytes			
	05/25/04	230	230	109	109	II	E314.0	{ND on all 1} analytes			
	05/25/04	240	240	119	119	II	E314.0	{ND on all 1} analytes			
	05/25/04	250	250	129	129	II	E314.0	{ND on all 1} analytes			
	05/25/04	260	260	139	139	II	E314.0	{ND on all 1} analytes			
	05/25/04	270	270	149	149	II	E314.0	{ND on all 1} analytes			
MW-338	06/21/04	80	80	6.5	6.5	II	8330N	{ND on all 19} analytes			
	06/21/04	90	90	16.5	16.5	II	8330N	{ND on all 19} analytes			
	06/21/04	100	100	26.5	26.5	II	8330N	{ND on all 19} analytes			
	06/22/04	110	110	36.5	36.5	II	8330N	{ND on all 19} analytes			
	06/22/04	110	110	36.5	36.5	II	8330N	{ND on all 19} analytes			
	06/22/04	120	120	46.5	46.5	II	8330N	{ND on all 19} analytes			
	06/22/04	130	130	56.5	56.5	II	8330N	{ND on all 19} analytes			
	06/22/04	140	140	66.5	66.5	II	8330N	{ND on all 19} analytes			
	06/22/04	150	150	76.5	76.5	3	8330N	{ND on all 19} analytes			
	06/22/04	160	160	86.5	86.5	3	8330N	{ND on all 19} analytes			
	06/22/04	170	170	96.5	96.5	3	8330N	{ND on all 19} analytes			
	06/23/04	180	180	106.5	106.5	3	8330N	{ND on all 19} analytes			
	06/23/04	190	190	116.5	116.5	3	8330N	{ND on all 19} analytes			
	06/23/04	200	200	126.5	126.5	3	8330N	{ND on all 19} analytes			
	06/23/04	210	210	136.5	136.5	3	8330N	{ND on all 19} analytes			
	06/23/04	220	220	146.5	146.5	3	8330N	{ND on all 19} analytes			
	06/21/04	80	80	6.5	6.5	II	E314.0	PERCHLORATE	0.56 J	ug/L	
	06/21/04	90	90	16.5	16.5	II	E314.0	{ND on all 1} analytes			
	06/21/04	100	100	26.5	26.5	II	E314.0	{ND on all 1} analytes			
	06/22/04	110	110	36.5	36.5	II	E314.0	{ND on all 1} analytes			
	06/22/04	110	110	36.5	36.5	II	E314.0	{ND on all 1} analytes			
	06/22/04	120	120	46.5	46.5	II	E314.0	{ND on all 1} analytes			
	06/22/04	130	130	56.5	56.5	II	E314.0	{ND on all 1} analytes			
	06/22/04	140	140	66.5	66.5	II	E314.0	{ND on all 1} analytes			
	06/22/04	150	150	76.5	76.5	II	E314.0	{ND on all 1} analytes			
	06/22/04	160	160	86.5	86.5	II	E314.0	{ND on all 1} analytes			
	06/22/04	170	170	96.5	96.5	II	E314.0	{ND on all 1} analytes			
	06/23/04	180	180	106.5	106.5	II	E314.0	{ND on all 1} analytes			
	06/23/04	190	190	116.5	116.5	II	E314.0	{ND on all 1} analytes			
	06/23/04	200	200	126.5	126.5	II	E314.0	{ND on all 1} analytes			
	06/23/04	210	210	136.5	136.5	II	E314.0	{ND on all 1} analytes			
	06/23/04	220	220	146.5	146.5	II	E314.0	{ND on all 1} analytes			
MW-344	08/18/04	120	120	2.5	2.5	II	8330N	{ND on all 19} analytes			
	08/18/04	130	130	12.5	12.5	II	8330N	{ND on all 19} analytes			
	08/19/04	140	140	22.5	22.5	II	8330N	{ND on all 19} analytes			
	08/19/04	140	140	22.5	22.5	II	8330N	{ND on all 19} analytes			
	08/20/04	160	160	42.5	42.5	II	8330N	{ND on all 19} analytes			
	08/23/04	170	170	52.5	52.5	II	8330N	{ND on all 19} analytes			
	08/23/04	180	180	62.5	62.5	II	8330N	{ND on all 19} analytes			
	08/24/04	190	190	72.5	72.5	II	8330N	{ND on all 19} analytes			
	08/24/04	200	200	82.5	82.5	II	8330N	{ND on all 19} analytes			
	08/24/04	210	210	92.5	92.5	II	8330N	{ND on all 19} analytes			
	08/24/04	210	210	92.5	92.5	II	8330N	{ND on all 19} analytes			
	08/24/04	220	220	102.5	102.5	II	8330N	{ND on all 19} analytes			
	08/24/04	230	230	112.5	112.5	II	8330N	{ND on all 19} analytes			
	08/25/04	240	240	122.5	122.5	II	8330N	{ND on all 19} analytes			
	08/25/04	250	250	132.5	132.5	II	8330N	{ND on all 19} analytes			
	08/25/04	260	260	142.5	142.5	II	8330N	{ND on all 19} analytes			
	08/25/04	270	270	152.5	152.5	II	8330N	{ND on all 19} analytes			
	08/26/04	280	280	162.5	162.5	II	8330N	{ND on all 19} analytes			
	08/18/04	120	120	2.5	2.5	II	E314.0	PERCHLORATE	0.72 J	ug/l	
	08/18/04	130	130	12.5	12.5	II	E314.0	PERCHLORATE	0.4 J	ug/l	
	08/19/04	140	140	22.5	22.5	II	E314.0	{ND on all 1} analytes			
	08/19/04	140	140	22.5	22.5	II	E314.0	{ND on all 1} analytes			

Table 4-6
Profile Sampling Results
Northwest Corner Study Area

WELL ID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS	PDA
	08/19/04	150	150	32.5	32.5	II	E314.0	PERCHLORATE	0.64 J	ug/l	
	08/20/04	160	160	42.5	42.5	II	E314.0	{ND on all 1} analytes			
	08/23/04	170	170	52.5	52.5	II	E314.0	PERCHLORATE	0.48 J	ug/l	
	08/23/04	180	180	62.5	62.5	II	E314.0	PERCHLORATE	0.45 J	ug/l	
	08/24/04	190	190	72.5	72.5	II	E314.0	{ND on all 1} analytes			
	08/24/04	200	200	82.5	82.5	II	E314.0	{ND on all 1} analytes			
	08/24/04	210	210	92.5	92.5	II	E314.0	{ND on all 1} analytes			
	08/24/04	210	210	92.5	92.5	II	E314.0	{ND on all 1} analytes			
	08/24/04	220	220	102.5	102.5	3	E314.0	{ND on all 1} analytes			
	08/24/04	230	230	112.5	112.5	3	E314.0	{ND on all 1} analytes			
	08/25/04	240	240	122.5	122.5	3	E314.0	{ND on all 1} analytes			
	08/25/04	250	250	132.5	132.5	3	E314.0	{ND on all 1} analytes			
	08/25/04	260	260	142.5	142.5	3	E314.0	{ND on all 1} analytes			
	08/25/04	270	270	152.5	152.5	3	E314.0	{ND on all 1} analytes			
	08/26/04	280	280	162.5	162.5	II	E314.0	{ND on all 1} analytes			
MW-350	09/13/04	90	90	4.5	4.5	II	8330N	{ND on all 19} analytes			
	09/13/04	100	100	14.5	14.5	II	8330N	{ND on all 19} analytes			
	09/13/04	100	100	14.5	14.5	II	8330N	{ND on all 19} analytes			
	09/13/04	110	110	24.5	24.5	II	8330N	{ND on all 19} analytes			
	09/14/04	120	120	34.5	34.5	II	8330N	{ND on all 19} analytes			
	09/14/04	130	130	44.5	44.5	II	8330N	{ND on all 19} analytes			
	09/14/04	140	140	54.5	54.5	II	8330N	{ND on all 19} analytes			
	09/14/04	150	150	64.5	64.5	II	8330N	{ND on all 19} analytes			
	09/14/04	160	160	74.5	74.5	II	8330N	{ND on all 19} analytes			
	09/14/04	170	170	84.5	84.5	II	8330N	{ND on all 19} analytes			
	09/14/04	180	180	94.5	94.5	II	8330N	{ND on all 19} analytes			
	09/15/04	190	190	104.5	104.5	II	8330N	{ND on all 19} analytes			
	09/15/04	190	190	104.5	104.5	II	8330N	{ND on all 19} analytes			
	09/15/04	200	200	114.5	114.5	II	8330N	{ND on all 19} analytes			
	09/15/04	210	210	124.5	124.5	II	8330N	{ND on all 19} analytes			
	09/16/04	220	220	134.5	134.5	II	8330N	{ND on all 19} analytes			
	09/16/04	230	230	144.5	144.5	II	8330N	{ND on all 19} analytes			
	09/16/04	240	240	154.5	154.5	II	8330N	{ND on all 19} analytes			
	09/16/04	250	250	164.5	164.5	II	8330N	{ND on all 19} analytes			
	09/16/04	260	260	174.5	174.5	II	8330N	{ND on all 19} analytes			
	09/13/04	90	90	4.5	4.5	II	E314.0	{ND on all 1} analytes			
	09/13/04	100	100	14.5	14.5	II	E314.0	{ND on all 1} analytes			
	09/13/04	100	100	14.5	14.5	II	E314.0	{ND on all 1} analytes			
	09/13/04	110	110	24.5	24.5	II	E314.0	{ND on all 1} analytes			
	09/14/04	120	120	34.5	34.5	II	E314.0	{ND on all 1} analytes			
	09/14/04	130	130	44.5	44.5	II	E314.0	{ND on all 1} analytes			
	09/14/04	140	140	54.5	54.5	II	E314.0	{ND on all 1} analytes			
	09/14/04	150	150	64.5	64.5	II	E314.0	{ND on all 1} analytes			
	09/14/04	160	160	74.5	74.5	II	E314.0	{ND on all 1} analytes			
	09/14/04	170	170	84.5	84.5	II	E314.0	{ND on all 1} analytes			
	09/14/04	180	180	94.5	94.5	II	E314.0	{ND on all 1} analytes			
	09/15/04	190	190	104.5	104.5	II	E314.0	{ND on all 1} analytes			
	09/15/04	190	190	104.5	104.5	II	E314.0	{ND on all 1} analytes			
	09/15/04	200	200	114.5	114.5	II	E314.0	{ND on all 1} analytes			
	09/15/04	210	210	124.5	124.5	II	E314.0	{ND on all 1} analytes			
	09/16/04	220	220	134.5	134.5	II	E314.0	PERCHLORATE	0.84 J	ug/L	
	09/16/04	230	230	144.5	144.5	II	E314.0	PERCHLORATE	0.72 J	ug/L	
	09/16/04	240	240	154.5	154.5	II	E314.0	PERCHLORATE	0.64 J	ug/L	
	09/16/04	250	250	164.5	164.5	II	E314.0	{ND on all 1} analytes			
	09/16/04	260	260	174.5	174.5	II	E314.0	{ND on all 1} analytes			

Table 4-6
Profile Sampling Results
Northwest Corner Study Area

WELL ID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS	PDA
MW-441	05/09/06	90	95			II	E314.0	{ND on all 1} analytes			
	05/09/06	90	95			II	8330N	{ND on all 19} analytes			
	05/09/06	100	105			II	E314.0	{ND on all 1} analytes			
	05/09/06	100	105			II	8330N	{ND on all 19} analytes			
	05/09/06	110	115			II	E314.0	{ND on all 1} analytes			
	05/09/06	110	115			II	8330N	{ND on all 19} analytes			
	05/10/06	120	125			II	E314.0	{ND on all 1} analytes			
	05/10/06	120	125			II	8330N	{ND on all 19} analytes			
	05/10/06	130	135			II	E314.0	{ND on all 1} analytes			
	05/10/06	130	135			II	8330N	{ND on all 19} analytes			
	05/10/06	140	145			II	E314.0	{ND on all 1} analytes			
	05/10/06	140	145			II	8330N	{ND on all 19} analytes			
	05/10/06	150	155			II	E314.0	{ND on all 1} analytes			
	05/10/06	150	155			II	8330N	{ND on all 19} analytes			
	05/10/06	160	165			II	E314.0	{ND on all 1} analytes			
	05/10/06	160	165			II	8330N	{ND on all 19} analytes			
	05/11/06	190	195			II	8330N	Hexahydro-1,3,5-trinitro-1,3,5-triazine	0.48	ug/L	YES
	05/11/06	190	195			II	E314.0	Perchlorate	0.38 J	ug/L	
	05/12/06	200	205			II	8330N	Hexahydro-1,3,5-trinitro-1,3,5-triazine	0.59	ug/L	YES
	05/12/06	200	205			II	E314.0	Perchlorate	0.59 J	ug/L	
	05/12/06	210	215			II	8330N	Hexahydro-1,3,5-trinitro-1,3,5-triazine	1.3	ug/L	YES
	05/12/06	210	215			II	E314.0	Perchlorate	0.38 J	ug/L	
	05/12/06	220	225			II	8330N	Hexahydro-1,3,5-trinitro-1,3,5-triazine	0.60	ug/L	YES
	05/12/06	220	225			II	E314.0	{ND on all 1} analytes			
	05/15/06	230	235			II	E314.0	{ND on all 1} analytes			
	05/15/06	230	235			II	8330N	{ND on all 19} analytes			
	05/15/06	240	245			II	E314.0	{ND on all 1} analytes			
	05/15/06	240	245			II	8330N	{ND on all 19} analytes			
	05/15/06	249	254			II	E314.0	{ND on all 1} analytes			
	05/15/06	249	254			II	8330N	{ND on all 19} analytes			
BH-363	12/22/04	90	90	5.5	5.5	II	8330N	{ND on all 19} analytes			
	12/22/04	100	100	15.5	15.5	II	8330N	{ND on all 19} analytes			
	12/22/04	110	110	25.5	25.5	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	15 J	ug/L	YES
	12/22/04	110	110	25.5	25.5	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	14 J	ug/L	YES
	12/22/04	120	120	35.5	35.5	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	8.2 J	ug/L	YES
	12/22/04	130	130	45.5	45.5	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	11 J	ug/L	YES
	12/22/04	140	140	55.5	55.5	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	2.2 J	ug/L	YES
	01/03/05	150	150	65.5	65.5	3	8330N	{ND on all 19} analytes			
	01/03/05	160	160	75.5	75.5	3	8330N	{ND on all 19} analytes			
	01/03/05	170	170	85.5	85.5	3	8330N	{ND on all 19} analytes			
	01/04/05	180	180	95.5	95.5	3	8330N	{ND on all 19} analytes			
	01/04/05	180	180	95.5	95.5	3	8330N	{ND on all 19} analytes			
	01/04/05	190	190	105.5	105.5	3	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	1.1	ug/L	YES
	01/04/05	200	200	115.5	115.5	II	8330N	{ND on all 19} analytes			
	01/04/05	210	210	125.5	125.5	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	1.1	ug/L	YES
	01/04/05	210	210	125.5	125.5	II	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TET	0.26	ug/L	YES
	01/04/05	220	220	135.5	135.5	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	1.4	ug/L	YES
	01/04/05	220	220	135.5	135.5	II	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TET	0.25	ug/L	YES
	01/04/05	230	230	145.5	145.5	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.38	ug/L	YES
	01/04/05	240	240	155.5	155.5	II	8330N	{ND on all 19} analytes			
	12/22/04	90	90	5.5	5.5	II	E314.0	{ND on all 1} analytes			
	12/22/04	100	100	15.5	15.5	II	E314.0	{ND on all 1} analytes			
	12/22/04	110	110	25.5	25.5	II	E314.0	{ND on all 1} analytes			
	12/22/04	110	110	25.5	25.5	II	E314.0	{ND on all 1} analytes			
	12/22/04	120	120	35.5	35.5	II	E314.0	{ND on all 1} analytes			
	12/22/04	130	130	45.5	45.5	II	E314.0	{ND on all 1} analytes			
	12/22/04	140	140	55.5	55.5	II	E314.0	{ND on all 1} analytes			
	01/03/05	150	150	65.5	65.5	II	E314.0	{ND on all 1} analytes			
	01/03/05	160	160	75.5	75.5	II	E314.0	{ND on all 1} analytes			
	01/03/05	170	170	85.5	85.5	II	E314.0	{ND on all 1} analytes			

Table 4-6
Profile Sampling Results
Northwest Corner Study Area

WELL ID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS	PDA
BH-363	01/04/05	180	180	95.5	95.5	II	E314.0	{ND on all 1} analytes			
	01/04/05	180	180	95.5	95.5	II	E314.0	{ND on all 1} analytes			
	01/04/05	190	190	105.5	105.5	II	E314.0	PERCHLORATE	0.69 J	ug/L	
	01/04/05	200	200	115.5	115.5	II	E314.0	{ND on all 1} analytes			
	01/04/05	210	210	125.5	125.5	II	E314.0	{ND on all 1} analytes			
	01/04/05	220	220	135.5	135.5	II	E314.0	PERCHLORATE	0.54 J	ug/L	
	01/04/05	230	230	145.5	145.5	II	E314.0	PERCHLORATE	0.39 J	ug/L	
	01/04/05	240	240	155.5	155.5	II	E314.0	{ND on all 1} analytes			

Notes:

J = Estimated concentration
SBD = Sample Begin Depth (feet bgs)
SED = Sample End Depth (feet bgs)
BWTE = Below Water Table Elevation in feet
BWTS = Below Water Table Surface in feet
CONC = Concentration
VAL = Validation Level; + indicates unvalidated.

Table 4-7
Groundwater Sampling Results
Northwest Corner Study Area

WELL ID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS
95-13	07/09/04	104.5	104.5	52.8	52.8	II	E314.0	PERCHLORATE	0.83 J	UG/L
	07/09/04	104.5	104.5	52.8	52.8	II	8330N	{ND on all 19} analytes		
95-15	05/05/03	126	138	138.3	148.3	II	E314.0	{ND on all 1} analytes		
	05/05/03	126	138	138.3	148.3	II	8330N	{ND on all 19} analytes		
95-15A	10/17/97	186.5	196.5	74.7	84.7	II	8330	{ND on all 18} analytes		
	03/24/99	186.5	196.5	74.7	84.7	II	8330N	{ND on all 19} analytes		
	09/24/99	186.5	196.5	74.7	84.7	II	8330N	{ND on all 19} analytes		
	11/10/99	186.5	196.5	74.7	84.7	II	8330N	{ND on all 19} analytes		
	09/20/00	186.5	196.5	74.7	84.7	II	8330N	{ND on all 19} analytes		
	09/20/00	186.5	196.5	74.7	84.7	II	E314.0	{ND on all 1} analytes		
	09/20/00	186.5	196.5	74.7	84.7	II	8330N	{ND on all 19} analytes		
	09/20/00	186.5	196.5	74.7	84.7	II	E314.0	{ND on all 1} analytes		
	09/05/01	186.5	196.5	74.7	84.7	II	8330N	{ND on all 19} analytes		
	09/05/01	186.5	196.5	74.7	84.7	3	E314.0	{ND on all 1} analytes		
	08/05/02	186.5	196.5	74.7	84.7	II	E314.0	{ND on all 1} analytes		
	09/04/02	186.5	196.5	74.7	84.7	II	8330N	{ND on all 19} analytes		
	09/04/02	186.5	196.5	74.7	84.7	II	E314.0	{ND on all 1} analytes		
	11/17/03	186.5	196.5	74.7	84.7	II	E314.1	{ND on all 1} analytes		
	11/17/03	186.5	196.5	74.7	84.7	II	8330N	{ND on all 19} analytes		
	10/14/04	186.5	196.5	74.7	84.7	II	E314.0	{ND on all 1} analytes		
	10/14/04	186.5	196.5	74.7	84.7	II	8330N	{ND on all 19} analytes		
95-15B	03/06/03	120	130	67	77	II	E314.0	{ND on all 1} analytes		
	03/06/03	120	130	67	77	II	8330N	{ND on all 19} analytes		
95-15C	09/08/00	147	157	78.2	88.2	3	8330N	{ND on all 19} analytes		
	09/08/00	147	157	78.2	88.2	II	E314.0	{ND on all 1} analytes		
	10/08/01	147	157	78.2	88.2	II	8330N	{ND on all 19} analytes		
	10/08/01	147	157	78.2	88.2	II	E314.0	{ND on all 1} analytes		
	09/04/02	147	157	78.2	88.2	II	8330N	{ND on all 19} analytes		
	09/04/02	147	157	78.2	88.2	II	E314.0	{ND on all 1} analytes		
	11/17/03	147	157	78.2	88.2	II	E314.1	{ND on all 1} analytes		
	11/17/03	147	157	78.2	88.2	II	8330N	{ND on all 19} analytes		
	09/15/04	147	157	78.2	88.2	II	E314.0	{ND on all 1} analytes		
	09/15/04	147	157	78.2	88.2	II	8330N	{ND on all 19} analytes		
95-15E	05/01/03	155	165	74.7	84.7	II	E314.0	{ND on all 1} analytes		
	05/01/03	155	165	74.7	84.7	II	8330N	{ND on all 19} analytes		
95-16	05/07/03	84	90	31.6	37.6	II	E314.0	{ND on all 1} analytes		
	05/07/03	84	90	31.6	37.6	II	8330N	{ND on all 19} analytes		
95-6A	11/09/99	167.5	177.5	142.5	152.5	II	8330N	{ND on all 19} analytes		
	06/14/00	167.5	177.5	142.5	152.5	II	8330N	{ND on all 19} analytes		
	09/12/00	167.5	177.5	142.5	152.5	II	8330N	{ND on all 19} analytes		
	09/12/00	167.5	177.5	142.5	152.5	II	E314.0	{ND on all 1} analytes		
	12/21/00	167.5	177.5	142.5	152.5	II	8330N	{ND on all 19} analytes		
	05/19/01	167.5	177.5	142.5	152.5	II	8330N	{ND on all 19} analytes		
	09/10/01	167.5	177.5	142.5	152.5	II	8330N	{ND on all 19} analytes		
	09/10/01	167.5	177.5	142.5	152.5	3	E314.0	{ND on all 1} analytes		
	12/17/01	167.5	177.5	142.5	152.5	II	8330N	{ND on all 19} analytes		
	05/21/02	167.5	177.5	142.5	152.5	3	8330N	{ND on all 19} analytes		
	09/06/02	167.5	177.5	142.5	152.5	II	8330N	{ND on all 19} analytes		
	09/06/02	167.5	177.5	142.5	152.5	II	E314.0	{ND on all 1} analytes		
	01/16/03	167.5	177.5	142.5	152.5	II	8330N	{ND on all 19} analytes		
	05/13/03	167.5	177.5	142.5	152.5	II	8330N	{ND on all 19} analytes		
	11/18/03	167.5	177.5	142.5	152.5	II	E314.0	{ND on all 1} analytes		
	11/18/03	167.5	177.5	142.5	152.5	II	8330N	{ND on all 19} analytes		
	03/10/04	167.5	177.5	142.5	152.5	II	8330N	{ND on all 19} analytes		
	03/10/04	167.5	177.5	142.5	152.5	3	E314.0	{ND on all 1} analytes		
	07/14/04	167.5	177.5	142.5	152.5	II	E314.0	{ND on all 1} analytes		
	09/14/04	167.5	177.5	142.5	152.5	II	8330N	{ND on all 19} analytes		
	09/14/04	167.5	177.5	142.5	152.5	II	E314.0	{ND on all 1} analytes		
	03/23/05	167.5	177.5	142.5	152.5	II	E314.0	{ND on all 1} analytes		
	06/14/05	167.5	177.5	142.5	152.5	II	E314.0	{ND on all 1} analytes		

Table 4-7
Groundwater Sampling Results
Northwest Corner Study Area

WELL ID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS
	10/17/97	119	129	94	104	II	8330	{ND on all 18} analytes		
	03/24/99	119	129	94	104	II	8330N	{ND on all 19} analytes		
	09/23/99	119	129	94	104	II	8330N	{ND on all 19} analytes		
	06/07/00	119	129	94	104	II	8330N	{ND on all 19} analytes		
	09/13/00	119	129	94	104	II	8330N	{ND on all 19} analytes		
	09/13/00	119	129	94	104	II	E314.0	{ND on all 1} analytes		
	12/22/00	119	129	94	104	II	8330N	{ND on all 19} analytes		
	05/19/01	119	129	94	104	II	8330N	{ND on all 19} analytes		
	09/10/01	119	129	94	104	II	8330N	{ND on all 19} analytes		
	09/10/01	119	129	94	104	3	E314.0	{ND on all 1} analytes		
	12/17/01	119	129	94	104	II	8330N	{ND on all 19} analytes		
	05/21/02	119	129	94	104	3	8330N	{ND on all 19} analytes		
	09/04/02	119	129	94	104	II	8330N	{ND on all 19} analytes		
95-6B	09/04/02	119	129	94	104	II	E314.0	PERCHLORATE	0.74 J	UG/L
	12/04/02	119	129	94	104	II	8330N	{ND on all 19} analytes		
	12/04/02	119	129	94	104	II	E314.0	{ND on all 1} analytes		
	05/13/03	119	129	94	104	II	8330N	{ND on all 19} analytes		
	05/13/03	119	129	94	104	II	8330N	{ND on all 19} analytes		
	11/18/03	119	129	94	104	II	E314.0	{ND on all 1} analytes		
	11/18/03	119	129	94	104	II	8330N	{ND on all 19} analytes		
	03/10/04	119	129	94	104	II	8330N	{ND on all 19} analytes		
	03/10/04	119	129	94	104	3	E314.0	{ND on all 1} analytes		
	07/14/04	119	129	94	104	II	E314.0	{ND on all 1} analytes		
	09/14/04	119	129	94	104	II	8330N	{ND on all 19} analytes		
	09/14/04	119	129	94	104	II	E314.0	{ND on all 1} analytes		
	03/23/05	119	129	94	104	II	E314.0	{ND on all 1} analytes		
	06/14/05	119	129	94	104	II	E314.0	{ND on all 1} analytes		
	05/01/03	145.65	145.65	101.5	101.5	II	E314.0	{ND on all 1} analytes		
	05/01/03	145.65	145.65	101.5	101.5	II	8330N	{ND on all 19} analytes		
	05/01/03	145.65	145.65	101.5	101.5	II	E314.0	{ND on all 1} analytes		
	05/01/03	145.65	145.65	101.5	101.5	II	8330N	{ND on all 19} analytes		
95-6ED	11/14/03	145.65	145.65	101.5	101.5	II	E314.0	{ND on all 1} analytes		
	11/14/03	145.65	145.65	101.5	101.5	II	8330N	{ND on all 19} analytes		
	03/10/04	145.65	145.65	101.5	101.5	II	8330N	{ND on all 19} analytes		
	03/10/04	145.65	145.65	101.5	101.5	3	E314.0	{ND on all 1} analytes		
	09/10/04	145.65	145.65	101.5	101.5	II	8330N	{ND on all 19} analytes		
	09/14/04	145.65	145.65	101.5	101.5	II	E314.0	{ND on all 1} analytes		
	11/16/99	34.7	44.7	0	10	II	8330N	{ND on all 19} analytes		
	09/14/00	34.7	44.7	0	10	II	8330N	{ND on all 19} analytes		
	09/14/00	34.7	44.7	0	10	II	E314.0	{ND on all 1} analytes		
	09/11/01	34.7	44.7	0	10	II	8330N	{ND on all 19} analytes		
95-6ES	09/11/01	34.7	44.7	0	10	3	E314.0	{ND on all 1} analytes		
	11/18/03	34.7	44.7	0	10	II	E314.1	{ND on all 1} analytes		
	11/18/03	34.7	44.7	0	10	II	8330N	{ND on all 1} analytes		
	09/15/04	34.7	44.7	0	10	II	8330N	{ND on all 19} analytes		
	09/15/04	34.7	44.7	0	10	II	E314.0	{ND on all 1} analytes		
	05/07/03	180	190	56.3	66.3	II	E314.0	{ND on all 1} analytes		
	05/07/03	180	190	56.3	66.3	II	8330N	{ND on all 19} analytes		
CMW-1	07/09/04	190	190	65.7	65.7	II	8330N	{ND on all 19} analytes		
	07/09/04	190	190	65.7	65.7	II	E314.0	{ND on all 1} analytes		
	07/09/04	190	190	65.7	65.7	II	8330N	{ND on all 19} analytes		
	07/09/04	190	190	65.7	65.7	II	E314.0	{ND on all 1} analytes		
BHW216	04/10/03	94	94	86.5	86.5	II	E314.0	{ND on all 1} analytes		
	04/10/03	94	94	86.5	86.5	II	8330N	{ND on all 19} analytes		
BHW217	04/10/03	75	75			II	E314.0	{ND on all 1} analytes		
	04/10/03	75	75			II	8330N	{ND on all 19} analytes		
BHW218	04/10/03	58	58	51.4	51.4	II	E314.0	{ND on all 1} analytes		
	04/10/03	58	58	51.4	51.4	II	8330N	{ND on all 19} analytes		
BHW220	04/11/03	22	22	12.6	12.6	II	E314.0	{ND on all 1} analytes		
	04/11/03	22	22	12.6	12.6	II	8330N	{ND on all 19} analytes		

Table 4-7
Groundwater Sampling Results
Northwest Corner Study Area

WELL ID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS
HW-1	03/05/03	27	37	0	10	II	E314.0	PERCHLORATE	0.91 J	UG/L
	03/05/03	27	37	0	10	II	8330N	{ND on all 19} analytes		
	03/05/03	27	37	0	0	II	E314.0	PERCHLORATE	0.85 J	UG/L
	03/05/03	27	37	0	0	II	8330N	{ND on all 19} analytes		
HW-2	02/19/04	21	31	0	10	II	8330N	{ND on all 19} analytes		
	02/19/04	21	31	0	10	II	E314.0	PERCHLORATE	1.5	UG/L
	06/03/04	21	31	0	10	II	8330N	{ND on all 19} analytes		
	06/03/04	21	31	0	10	3	E314.0	PERCHLORATE	1.12	UG/L
	06/03/04	21	31	0	10	II	8330N	{ND on all 19} analytes		
	06/03/04	21	31	0	10	3	E314.0	PERCHLORATE	1.1	UG/L
	09/30/04	21	31	0	10	II	8330N	{ND on all 19} analytes		
	09/30/04	21	31	0	10	II	E314.0	PERCHLORATE	1.59 J	UG/L
	06/20/05	21	31	0	10	*	8330N	{ND on all 19} analytes	*	
	06/20/05	21	31	0	10	*	E314.0	PERCHLORATE	0.87 J*	UG/L
HW-3	02/19/04	20	30	0	10	II	8330N	{ND on all 19} analytes		
	02/19/04	20	30	0	10	II	E314.0	PERCHLORATE	1.12	UG/L
MW-65M1	10/26/99	210	220	95	105	II	8330N	{ND on all 19} analytes		
	02/10/00	210	220	95	105	II	8330N	{ND on all 19} analytes		
	04/25/00	210	220	95	105	II	8330N	{ND on all 19} analytes		
	07/09/02	210	220	95	105	II	E314.0	{ND on all 1} analytes		
	03/26/04	210	220	95	105	II	E314.0	{ND on all 1} analytes		
	03/26/04	210	220	95	105	II	E314.0	{ND on all 1} analytes		
	08/06/04	210	220	95	105	II	E314.0	{ND on all 1} analytes		
MW-65M2	10/28/99	129	134	14	19	II	8330N	{ND on all 19} analytes		
	02/11/00	129	134	14	19	II	8330N	{ND on all 19} analytes		
	04/25/00	129	134	14	19	II	8330N	{ND on all 19} analytes		
	07/09/02	129	134	14	19	II	E314.0	{ND on all 1} analytes		
	05/10/04	129	134	14	19	II	E314.0	PERCHLORATE	0.64 J	UG/L
	08/20/04	129	134	14	19	II	E314.0	PERCHLORATE	0.41 J	UG/L
	08/20/04	129	134	14	19	II	E314.0	PERCHLORATE	0.41 J	UG/L
	03/22/05	129	134	14	19	II	E314.0	PERCHLORATE	0.81 J	UG/L
	05/12/05	129	134	14	19	II	E314.0	PERCHLORATE	0.91 J	UG/L
	05/12/05	129	134	14	19	II	E314.0	PERCHLORATE	0.9 J	UG/L
MW-65S	10/26/99	116	126	1	11	II	8330N	{ND on all 19} analytes		
	02/10/00	116	126	1	11	II	8330N	{ND on all 19} analytes		
	04/27/00	116	126	1	11	II	8330N	{ND on all 19} analytes		
	08/31/00	116	126	1	11	II	8330N	{ND on all 19} analytes		
	08/31/00	116	126	1	11	II	E314.0	{ND on all 1} analytes		
	08/14/01	116	126	1	11	II	8330N	{ND on all 19} analytes		
	08/14/01	116	126	1	11	II	E314.0	{ND on all 1} analytes		
	09/25/03	116	126	1	11	II	E314.0	PERCHLORATE	1 J	UG/L
	09/25/03	116	126	1	11	II	8330N	{ND on all 19} analytes		
	05/10/04	116	126	1	11	II	E314.0	PERCHLORATE	0.8 J	UG/L
	08/20/04	116	126	1	11	II	8330N	{ND on all 19} analytes		
	08/20/04	116	126	1	11	II	E314.0	PERCHLORATE	0.83 J	UG/L
	03/22/05	116	126	1	11	II	E314.0	PERCHLORATE	1	UG/L
	05/20/05	116	126	1	11	II	E314.0	PERCHLORATE	0.91 J	UG/L
MW-66M1	10/20/99	227.7	237.7	109	119	II	8330N	{ND on all 19} analytes		
	02/09/00	227.7	237.7	109	119	II	8330N	{ND on all 19} analytes		
	04/27/00	227.7	237.7	109	119	II	8330N	{ND on all 19} analytes		
	07/09/02	227.7	237.7	109	119	II	E314.0	{ND on all 1} analytes		
	08/31/04	227.7	237.7	109	119	II	E314.0	{ND on all 1} analytes		

Table 4-7
Groundwater Sampling Results
Northwest Corner Study Area

WELL ID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS
MW-66M2	10/20/99	140.8	150.8	22	32	II	8330N	{ND on all 19} analytes		
	02/10/00	140.8	150.8	22	32	II	8330N	{ND on all 19} analytes		
	04/27/00	140.8	150.8	22	32	II	8330N	{ND on all 19} analytes		
	07/09/02	140.8	150.8	22	32	II	E314.0	PERCHLORATE	0.72 J	UG/L
	01/30/03	140.8	150.8	22	32	II	E314.0	PERCHLORATE	1.6 J	UG/L
	04/03/03	140.8	150.8	22	32	II	E314.0	PERCHLORATE	1	UG/L
	10/02/03	140.8	150.8	22	32	II	E314.0	PERCHLORATE	1.9 J	UG/L
	10/02/03	140.8	150.8	22	32	II	E314.0	PERCHLORATE	1.8 J	UG/L
	02/23/04	140.8	150.8	22	32	II	E314.0	PERCHLORATE	2.3 J	UG/L
	05/10/04	140.8	150.8	22	32	II	E314.0	PERCHLORATE	1.5 J	UG/L
	08/31/04	140.8	150.8	22	32	II	E314.0	PERCHLORATE	1.3 J	UG/L
	03/18/05	140.8	150.8	22	32	II	E314.0	PERCHLORATE	1.12	UG/L
	03/18/05	140.8	150.8	22	32	II	E314.0	PERCHLORATE	1.14	UG/L
	05/20/05	140.8	150.8	22	32	II	E314.0	PERCHLORATE	1	UG/L
MW-66S	10/20/99	125.7	135.7	7	17	II	8330N	{ND on all 19} analytes		
	02/10/00	125.7	135.7	7	17	II	8330N	{ND on all 19} analytes		
	05/01/00	125.7	135.7	7	17	II	8330N	{ND on all 19} analytes		
	08/31/00	125.7	135.7	7	17	II	8330N	{ND on all 19} analytes		
	08/31/00	125.7	135.7	7	17	II	E314.0	{ND on all 1} analytes		
	08/13/01	125.7	135.7	7	17	II	8330N	{ND on all 19} analytes		
	08/13/01	125.7	135.7	7	17	II	E314.0	PERCHLORATE	1.9 J	UG/L
	09/21/01	125.7	135.7	7	17	II	E314.0	PERCHLORATE	2.2 J	UG/L
	07/01/02	125.7	135.7	7	17	II	E314.0	PERCHLORATE	2	UG/L
	08/09/02	125.7	135.7	7	17	II	8330N	{ND on all 19} analytes		
	08/09/02	125.7	135.7	7	17	II	E314.0	PERCHLORATE	2.9	UG/L
	08/09/02	125.7	135.7	7	17	II	8330N	{ND on all 19} analytes		
	08/09/02	125.7	135.7	7	17	II	E314.0	PERCHLORATE	2.3	UG/L
	01/30/03	125.7	135.7	7	17	II	E314.0	PERCHLORATE	3 J	UG/L
	04/03/03	125.7	135.7	7	17	II	E314.0	PERCHLORATE	2.5	UG/L
	02/23/04	125.7	135.7	7	17	II	E314.0	PERCHLORATE	3.2 J	UG/L
	05/10/04	125.7	135.7	7	17	II	E314.0	PERCHLORATE	3 J	UG/L
	08/31/04	125.7	135.7	7	17	II	E314.0	PERCHLORATE	2.7 J	UG/L
	08/31/04	125.7	135.7	7	17	II	8330N	{ND on all 19} analytes		
	03/18/05	125.7	135.7	7	17	II	E314.0	PERCHLORATE	1.98	UG/L
	05/20/05	125.7	135.7	7	17	II	E314.0	PERCHLORATE	1.7 J	UG/L
MW-270S	06/16/03	22	32	0	10	II	E314.0	PERCHLORATE	0.52 J	UG/L
	06/16/03	22	32	0	10	II	8330N	{ND on all 19} analytes		
	09/30/03	22	32	0	10	II	E314.0	PERCHLORATE	2	UG/L
	01/06/04	22	32	0	10	II	8330N	{ND on all 19} analytes		
	01/06/04	22	32	0	10	II	E314.0	{ND on all 1} analytes		
	04/29/04	22	32	0	10	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.28	UG/L
	04/29/04	22	32	0	10	II	E314.0	PERCHLORATE	0.53 J	UG/L
	09/10/04	22	32	0	10	II	8330N	{ND on all 19} analytes		
	09/10/04	22	32	0	10	II	E314.0	PERCHLORATE	1.2	UG/L
	02/10/05	22	32	0	10	II	8330N	{ND on all 19} analytes		
	02/10/05	22	32	0	10	II	E314.0	PERCHLORATE	2	UG/L
	06/08/05	22	32	0	10	*	8330N	{ND on all 19} analytes	*	
	06/08/05	22	32	0	10	II	E314.0	PERCHLORATE	1.5	UG/L

Table 4-7
Groundwater Sampling Results
Northwest Corner Study Area

WELL ID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS
MW-270M1	06/16/03	74	79	50.9	55.9	II	E314.0	PERCHLORATE	8.9	UG/L
	06/16/03	74	79	50.9	55.9	II	8330N	{ND on all 19} analytes		
	06/16/03	74	79	50.9	55.9	II	E314.0	PERCHLORATE	9.1	UG/L
	06/16/03	74	79	50.9	55.9	II	8330N	{ND on all 19} analytes		
	09/30/03	74	79	50.9	55.9	II	E314.0	PERCHLORATE	11	UG/L
	09/30/03	74	79	50.9	55.9	II	E314.0	PERCHLORATE	11	UG/L
	09/30/03	74	79	50.9	55.9	II	8330N	{ND on all 19} analytes		
	09/30/03	74	79	50.9	55.9	II	8330N	{ND on all 19} analytes		
	01/06/04	74	79	50.9	55.9	II	8330N	{ND on all 19} analytes		
	01/06/04	74	79	50.9	55.9	II	E314.0	PERCHLORATE	11 J	UG/L
	01/06/04	74	79	50.9	55.9	II	8330N	{ND on all 19} analytes		
	01/06/04	74	79	50.9	55.9	II	E314.0	PERCHLORATE	11 J	UG/L
	04/29/04	74	79	50.9	55.9	II	8330N	{ND on all 19} analytes		
	04/29/04	74	79	50.9	55.9	II	E314.0	PERCHLORATE	8.94	UG/L
	09/10/04	74	79	50.9	55.9	II	8330N	{ND on all 19} analytes		
	09/10/04	74	79	50.9	55.9	II	E314.0	PERCHLORATE	9.7	UG/L
	02/10/05	74	79	50.9	55.9	II	8330N	{ND on all 19} analytes		
	02/10/05	74	79	50.9	55.9	II	E314.0	PERCHLORATE	10.3	UG/L
	06/08/05	74	79	50.9	55.9	*	8330N	{ND on all 19} analytes	*	
	06/08/05	74	79	50.9	55.9	II	E314.0	PERCHLORATE	13	UG/L
MW-270D	06/16/03	132	137	109.0	114.0	II	E314.0	PERCHLORATE	1.3	UG/L
	06/16/03	132	137	109.0	114.0	II	8330N	{ND on all 19} analytes		
	09/30/03	132	137	109.0	114.0	II	E314.0	PERCHLORATE	1.2	UG/L
	09/30/03	132	137	109.0	114.0	II	8330N	{ND on all 19} analytes		
	09/30/03	132	137	109.0	114.0	II	8330N	{ND on all 19} analytes		
	01/06/04	132	137	109.0	114.0	II	8330N	{ND on all 19} analytes		
	01/06/04	132	137	109.0	114.0	II	E314.0	PERCHLORATE	1.07	UG/L
	04/29/04	132	137	109.0	114.0	II	8330N	{ND on all 19} analytes		
	04/29/04	132	137	109.0	114.0	II	E314.0	PERCHLORATE	1.19	UG/L
	09/10/04	132	137	109.0	114.0	II	8330N	{ND on all 19} analytes		
	09/10/04	132	137	109.0	114.0	II	E314.0	PERCHLORATE	1.08	UG/L
	02/10/05	132	137	109.0	114.0	II	8330N	{ND on all 19} analytes		
	02/10/05	132	137	109.0	114.0	II	E314.0	PERCHLORATE	1.43	UG/L
	06/08/05	132	137	109.0	114.0	II	E314.0	PERCHLORATE	1.1	UG/L
MW-277S	07/10/03	102	112	0	10	II	8330N	{ND on all 19} analytes		
	07/10/03	102	112	0	10	II	E314.0	PERCHLORATE	6.68	UG/L
	12/12/03	102	112	0	10	II	8330N	{ND on all 19} analytes		
	01/20/04	102	112	0	10	II	E314.0	PERCHLORATE	5.2	UG/L
	02/18/04	102	112	0	10	II	E314.0	PERCHLORATE	4.06	UG/L
	03/17/04	102	112	0	10	3	8330N	{ND on all 19} analytes		
	03/17/04	102	112	0	10	II	E314.0	PERCHLORATE	4.18	UG/L
	04/14/04	102	112	0	10	3	E314.0	PERCHLORATE	3.74	UG/L
	05/12/04	102	112	0	10	II	E314.0	PERCHLORATE	3.49	UG/L
	06/09/04	102	112	0	10	II	E314.0	PERCHLORATE	3.36	UG/L
	07/07/04	102	112	0	10	II	E314.0	PERCHLORATE	3.14	UG/L
	08/04/04	102	112	0	10	II	E314.0	PERCHLORATE	3.09	UG/L
	09/08/04	102	112	0	10	II	E314.0	PERCHLORATE	2.9	UG/L
	10/06/04	102	112	0	10	II	E314.0	PERCHLORATE	3.3	UG/L
	11/02/04	102	112	0	10	II	E314.0	PERCHLORATE	3.11	UG/L
	12/14/04	102	112	0	10	II	E314.0	PERCHLORATE	3.03	UG/L
	02/17/05	102	112	0	10	II	E314.0	PERCHLORATE	2.1	UG/L
	03/22/05	102	112	0	10	II	E314.0	PERCHLORATE	2.09	UG/L
	04/27/05	102	112	0	10	II	E314.0	PERCHLORATE	1.9 J	UG/L
	05/25/05	102	112	0	10	II	E314.0	PERCHLORATE	1.9	UG/L
	06/20/05	102	112	0	10	*	E314.0	PERCHLORATE	1.5 J*	UG/L
	07/19/05	102	112	0	10	*	E314.0	PERCHLORATE	1.7 *	UG/L
	08/26/05	102	112	0	10	*	E314.0	PERCHLORATE	2.3 *	UG/L

Table 4-7
Groundwater Sampling Results
Northwest Corner Study Area

WELL ID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS
MW-277M1	07/09/03	130	140	26.3	36.3	II	8330N	{ND on all 19} analytes		
	07/09/03	130	140	26.3	36.3	II	E314.0	PERCHLORATE	0.6 J	UG/L
	07/09/03	130	140	26.3	36.3	II	8330N	{ND on all 19} analytes		
	07/09/03	130	140	26.3	36.3	II	E314.0	PERCHLORATE	0.76 J	UG/L
	12/05/03	130	140	26.3	36.3	II	E314.0	PERCHLORATE	0.7 J*	UG/L
	12/05/03	102	112	0	10	II	8330N	{ND on all 19} analytes		
	02/17/04	130	140	26.3	36.3	II	E314.0	PERCHLORATE	0.42 J	UG/L
	03/17/04	130	140	26.3	36.3	3	8330N	{ND on all 19} analytes		
	03/17/04	130	140	26.3	36.3	II	E314.0	{ND on all 1} analytes		
	04/14/04	130	140	26.3	36.3	3	E314.0	{ND on all 1} analytes		
	05/12/04	130	140	26.3	36.3	II	E314.0	PERCHLORATE	0.39 J	UG/L
	06/09/04	130	140	26.3	36.3	II	E314.0	PERCHLORATE	0.38 J	UG/L
	07/07/04	130	140	26.3	36.3	II	E314.0	{ND on all 1} analytes		
	08/04/04	130	140	26.3	36.3	II	E314.0	{ND on all 1} analytes		
	09/08/04	130	140	26.3	36.3	II	E314.0	{ND on all 1} analytes		
	10/06/04	130	140	26.3	36.3	II	E314.0	{ND on all 1} analytes		
	10/06/04	130	140	26.3	36.3	II	E314.0	{ND on all 1} analytes		
	11/02/04	130	140	26.3	36.3	II	E314.0	{ND on all 1} analytes		
	12/14/04	130	140	26.3	36.3	II	E314.0	{ND on all 1} analytes		
	05/25/05	130	140	26.3	36.3	II	E314.0	{ND on all 1} analytes		
	07/19/05	130	140	26.3	36.3	*	E314.0	PERCHLORATE	0.4 J*	UG/L
MW-278S	07/18/03	80	90	0	10	II	E314.0	PERCHLORATE	19.3	UG/L
	07/18/03	80	90	0	10	II	8330N	{ND on all 19} analytes		
	06/20/05	80	90	0	10	*	E314.0	PERCHLORATE	11 J*	UG/L
	07/20/05	80	90	0	10	*	E314.0	PERCHLORATE	12.4 *	UG/L
	08/26/05	80	90	0	10	*	E314.0	PERCHLORATE	13.8 *	UG/L
MW-278M2	07/16/03	97	102	9.8	14.8	II	E314.0	PERCHLORATE	2.53	UG/L
	07/16/03	97	102	9.8	14.8	II	8330N	{ND on all 19} analytes		
	07/16/03	97	102	9.8	14.8	II	E314.0	PERCHLORATE	2.45	UG/L
	07/16/03	97	102	9.8	14.8	II	8330N	{ND on all 19} analytes		
	12/03/03	97	102	9.8	14.8	II	E314.0	PERCHLORATE	7.1	UG/L
	12/03/03	97	102	9.8	14.8	II	E314.0	PERCHLORATE	7.4	UG/L
	12/03/03	97	102	9.8	14.8	II	8330N	{ND on all 19} analytes		
	01/20/04	97	102	9.8	14.8	II	E314.0	PERCHLORATE	5.4	UG/L
	02/19/04	97	102	9.8	14.8	II	E314.0	PERCHLORATE	3.91	UG/L
	03/17/04	97	102	9.8	14.8	3	8330N	{ND on all 19} analytes		
	03/17/04	97	102	9.8	14.8	3	E314.0	PERCHLORATE	3.4	UG/L
	04/14/04	97	102	9.8	14.8	II	E314.0	PERCHLORATE	3.02	UG/L
	05/12/04	97	102	9.8	14.8	II	E314.0	PERCHLORATE	2.61	UG/L
	06/09/04	97	102	9.8	14.8	II	E314.0	PERCHLORATE	2.22	UG/L
	07/07/04	97	102	9.8	14.8	II	E314.0	PERCHLORATE	1.78	UG/L
	08/04/04	97	102	9.8	14.8	II	E314.0	PERCHLORATE	1.53	UG/L
	08/04/04	97	102	9.8	14.8	II	E314.0	PERCHLORATE	1.67	UG/L
	09/08/04	97	102	9.8	14.8	II	E314.0	PERCHLORATE	1.58	UG/L
	10/06/04	97	102	9.8	14.8	II	E314.0	PERCHLORATE	1.78	UG/L
	11/03/04	97	102	9.8	14.8	II	E314.0	PERCHLORATE	1.8	UG/L
	12/14/04	97	102	9.8	14.8	II	E314.0	PERCHLORATE	1.88	UG/L
	02/17/05	97	102	9.8	14.8	II	E314.0	PERCHLORATE	1.65	UG/L
	03/22/05	97	102	9.8	14.8	II	E314.0	PERCHLORATE	1.45	UG/L
	04/26/05	97	102	9.8	14.8	II	E314.0	PERCHLORATE	1.9 J	UG/L
	05/25/05	97	102	9.8	14.8	II	E314.0	PERCHLORATE	2.1	UG/L
	07/20/05	97	102	9.8	14.8	*	E314.0	PERCHLORATE	2.6 *	UG/L
	07/20/05	97	102	9.8	14.8	*	E314.0	PERCHLORATE	2.6 *	UG/L

Table 4-7
Groundwater Sampling Results
Northwest Corner Study Area

WELL ID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS
MW-278M1	07/15/03	113	123	25.8	35.8	II	E314.0	PERCHLORATE	1.11	UG/L
	07/15/03	113	123	25.8	35.8	II	8330N	{ND on all 19} analytes		
	12/03/03	113	123	25.8	35.8	II	E314.0	PERCHLORATE	1.1	UG/L
	12/03/03	113	123	25.8	35.8	II	8330N	{ND on all 19} analytes		
	02/18/04	113	123	25.8	35.8	II	E314.0	PERCHLORATE	0.71 J	UG/L
	03/17/04	113	123	25.8	35.8	3	8330N	{ND on all 19} analytes		
	03/17/04	113	123	25.8	35.8	II	E314.0	PERCHLORATE	0.69 J	UG/L
	04/14/04	113	123	25.8	35.8	II	E314.0	PERCHLORATE	0.75 J	UG/L
	05/12/04	113	123	25.8	35.8	II	E314.0	PERCHLORATE	0.68 J	UG/L
	06/09/04	113	123	25.8	35.8	II	E314.0	PERCHLORATE	0.61 J	UG/L
	07/07/04	113	123	25.8	35.8	II	E314.0	PERCHLORATE	0.51 J	UG/L
	08/04/04	113	123	25.8	35.8	II	E314.0	PERCHLORATE	1.08	UG/L
	09/08/04	113	123	25.8	35.8	II	E314.0	PERCHLORATE	0.64 J	UG/L
	10/06/04	113	123	25.8	35.8	II	E314.0	PERCHLORATE	0.56 J	UG/L
	11/03/04	113	123	25.8	35.8	II	E314.0	PERCHLORATE	0.51 J	UG/L
	11/03/04	113	123	25.8	35.8	II	E314.0	PERCHLORATE	0.54 J	UG/L
	12/14/04	113	123	25.8	35.8	II	E314.0	PERCHLORATE	0.56 J	UG/L
	05/25/05	113	123	25.8	35.8	II	E314.0	PERCHLORATE	1.1	UG/L
	07/20/05	113	123	25.8	35.8	*	E314.0	PERCHLORATE	1.7 *	UG/L
MW-279S	07/30/03	66	76	-3	7	II	E314.0	PERCHLORATE	16.7	UG/L
	07/30/03	66	76	-3	7	II	8330N	{ND on all 19} analytes		
	12/10/03	66	76	-3	7	II	E314.0	PERCHLORATE	15.7	UG/L
	12/10/03	66	76	-3	7	II	8330N	{ND on all 19} analytes		
	01/20/04	66	76	10	20	II	E314.0	PERCHLORATE	17	UG/L
	02/19/04	66	76	10	20	II	E314.0	PERCHLORATE	11.4	UG/L
	03/17/04	66	76	10	20	II	8330N	{ND on all 19} analytes		
	03/17/04	66	76	10	20	II	E314.0	PERCHLORATE	11.2	UG/L
	04/15/04	66	76	10	20	II	E314.0	PERCHLORATE	9.84	UG/L
	05/14/04	66	76	10	20	II	E314.0	PERCHLORATE	11.9	UG/L
	06/09/04	66	76	10	20	II	E314.0	PERCHLORATE	11.1	UG/L
	07/07/04	66	76	10	20	II	E314.0	PERCHLORATE	10.5	UG/L
	08/04/04	66	76	10	20	II	E314.0	PERCHLORATE	13.7	UG/L
	09/08/04	66	76	10	20	II	E314.0	PERCHLORATE	15.2	UG/L
	10/06/04	66	76	10	20	II	E314.0	PERCHLORATE	19.7	UG/L
	11/03/04	66	76	10	20	II	E314.0	PERCHLORATE	20.4	UG/L
	12/14/04	66	76	10	20	II	E314.0	PERCHLORATE	23.1	UG/L
	03/22/05	66	76	10	20	II	E314.0	PERCHLORATE	26.3	UG/L
	04/27/05	66	76	10	20	II	E314.0	PERCHLORATE	17	UG/L
	05/25/05	66	76	10	20	II	E314.0	PERCHLORATE	16	UG/L
	06/20/05	66	76	10	20	*	E314.0	PERCHLORATE	13 J*	UG/L
	07/19/05	66	76	10	20	*	E314.0	PERCHLORATE	16.3 *	UG/L
	08/26/05	66	76	0	10	*	E314.0	PERCHLORATE	21.1 *	UG/L

Table 4-7
Groundwater Sampling Results
Northwest Corner Study Area

WELL ID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS
MW-279M2	07/30/03	83	88	26.8	31.8	3	E314.0	PERCHLORATE	6.06	UG/L
	07/30/03	83	88	26.8	31.8	II	8330N	{ND on all 19} analytes		
	07/30/03	83	88	26.8	31.8	3	E314.0	PERCHLORATE	6.15	UG/L
	07/30/03	83	88	26.8	31.8	II	8330N	{ND on all 19} analytes		
	12/10/03	83	88	26.8	31.8	II	E314.0	PERCHLORATE	2.92	UG/L
	12/10/03	83	88	26.8	31.8	II	8330N	{ND on all 19} analytes		
	02/19/04	83	88	26.8	31.8	II	E314.0	PERCHLORATE	3.22	UG/L
	03/17/04	83	88	26.8	31.8	3	8330N	{ND on all 19} analytes		
	03/17/04	83	88	26.8	31.8	II	E314.0	PERCHLORATE	3.9	UG/L
	03/17/04	83	88	26.8	31.8	3	8330N	{ND on all 19} analytes		
	03/17/04	83	88	26.8	31.8	II	E314.0	PERCHLORATE	3.9	UG/L
	04/14/04	83	88	26.8	31.8	3	E314.0	PERCHLORATE	4.03	UG/L
	04/14/04	83	88	26.8	31.8	3	E314.0	PERCHLORATE	4.04	UG/L
	05/12/04	83	88	26.8	31.8	II	E314.0	PERCHLORATE	4.51	UG/L
	06/09/04	83	88	26.8	31.8	II	E314.0	PERCHLORATE	4.95	UG/L
	07/07/04	83	88	26.8	31.8	II	E314.0	PERCHLORATE	4.84	UG/L
	07/07/04	83	88	26.8	31.8	II	E314.0	PERCHLORATE	4.87	UG/L
	08/04/04	83	88	26.8	31.8	II	E314.0	PERCHLORATE	4.99	UG/L
	09/08/04	83	88	26.8	31.8	II	E314.0	PERCHLORATE	4.5	UG/L
	09/08/04	83	88	26.8	31.8	II	E314.0	PERCHLORATE	4.63	UG/L
	10/06/04	83	88	26.8	31.8	II	E314.0	PERCHLORATE	5.12	UG/L
	11/02/04	83	88	26.8	31.8	II	E314.0	PERCHLORATE	5.26	UG/L
	12/14/04	83	88	26.8	31.8	II	E314.0	PERCHLORATE	5.67	UG/L
	02/17/05	83	88	26.8	31.8	II	E314.0	PERCHLORATE	6.26	UG/L
	05/25/05	83	88	26.8	31.8	II	E314.0	PERCHLORATE	14	UG/L
	07/19/05	83	88	26.8	31.8	*	E314.0	PERCHLORATE	10.3 *	UG/L
MW-279M1	07/30/03	96	106	37.4	47.4	3	E314.0	PERCHLORATE	2.66	UG/L
	07/30/03	96	106	37.4	47.4	II	8330N	{ND on all 19} analytes		
	12/10/03	96	106	37.4	47.4	II	E314.0	PERCHLORATE	2.24	UG/L
	12/10/03	96	106	37.4	47.4	II	8330N	{ND on all 19} analytes		
	02/18/04	96	106	37.4	47.4	II	E314.0	PERCHLORATE	3.31	UG/L
	03/17/04	96	106	37.4	47.4	3	8330N	{ND on all 19} analytes		
	03/17/04	96	106	37.4	47.4	II	E314.0	PERCHLORATE	4.6	UG/L
	04/14/04	96	106	37.4	47.4	II	E314.0	PERCHLORATE	6.15	UG/L
	05/12/04	96	106	37.4	47.4	II	E314.0	PERCHLORATE	5.17	UG/L
	06/09/04	96	106	37.4	47.4	II	E314.0	PERCHLORATE	5.05	UG/L
	06/09/04	96	106	37.4	47.4	II	E314.0	PERCHLORATE	5.14	UG/L
	07/07/04	96	106	37.4	47.4	II	E314.0	PERCHLORATE	4.63	UG/L
	08/04/04	96	106	37.4	47.4	II	E314.0	PERCHLORATE	4.61	UG/L
	09/08/04	96	106	37.4	47.4	II	E314.0	PERCHLORATE	3.76	UG/L
	10/06/04	96	106	37.4	47.4	II	E314.0	PERCHLORATE	3.95	UG/L
	11/02/04	96	106	37.4	47.4	II	E314.0	PERCHLORATE	3.87	UG/L
	12/14/04	96	106	37.4	47.4	II	E314.0	PERCHLORATE	3.54	UG/L
	05/25/05	96	106	37.4	47.4	II	E314.0	PERCHLORATE	3.8	UG/L
	07/19/05	96	106	37.4	47.4	*	E314.0	PERCHLORATE	4 *	UG/L
MW-283M1	09/16/03	38	48	29.1	29.1	II	E314.0	PERCHLORATE	1.51	UG/L
	09/16/03	38	48	29.1	29.1	II	E314.0	PERCHLORATE	1.52	UG/L
	09/16/03	38	48	29.1	29.1	II	8330N	{ND on all 19} analytes		
	09/16/03	38	48	29.1	29.1	II	8330N	{ND on all 19} analytes		
	12/02/03	38	48	29.1	29.1	II	E314.0	PERCHLORATE	1.6	UG/L
	12/02/03	38	48	29.1	29.1	II	8330N	{ND on all 19} analytes		
	03/22/04	38	48	29.1	39.1	II	8330N	{ND on all 19} analytes		
	03/22/04	38	48	29.1	39.1	II	E314.0	PERCHLORATE	1.5	UG/L
	09/10/04	38	48	29.1	39.1	II	E314.0	PERCHLORATE	1.4	UG/L
	02/09/05	38	48	29.1	39.1	II	E314.0	PERCHLORATE	1.8 J	UG/L
	06/17/05	38	48	29.1	39.1	*	E314.0	PERCHLORATE	2.5 *	UG/L
	06/17/05	38	48	29.1	39.1	*	E314.0	PERCHLORATE	2.7 *	UG/L

Table 4-7
Groundwater Sampling Results
Northwest Corner Study Area

WELL ID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS
MW-284M2	09/12/03	45	55	21.2	31.2	II	E314.0	PERCHLORATE	3.04	UG/L
	09/12/03	45	55	21.2	31.2	2	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.34	UG/L
	12/02/03	45	55	21.2	31.2	II	E314.0	PERCHLORATE	2.89	UG/L
	12/02/03	45	55	21.2	31.2	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.35	UG/L
	03/10/04	45	55	21.2	31.2	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.38	UG/L
	03/10/04	45	55	21.2	31.2	II	E314.0	PERCHLORATE	3.3	UG/L
	08/26/04	45	55	21.2	31.2	II	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.38	UG/L
	08/26/04	45	55	21.2	31.2	II	E314.0	PERCHLORATE	3.1 J	UG/L
	02/15/05	45	55	21.2	31.2	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.28 J	UG/L
	02/15/05	45	55	21.2	31.2	II	E314.0	PERCHLORATE	3.4	UG/L
	06/10/05	45	55	21.2	31.2	*	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.28 *	UG/L
	06/10/05	45	55	21.2	31.2	3	E314.0	PERCHLORATE	4	UG/L
	06/10/05	45	55	21.2	31.2	*	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.27 *	UG/L
	06/10/05	45	55	21.2	31.2	3	E314.0	PERCHLORATE	4.2	UG/L
MW-284M1	09/12/03	115	125	90.6	100.6	II	E314.0	{ND on all 1} analytes		
	09/12/03	115	125	90.6	100.6	II	E314.0	{ND on all 1} analytes		
	09/12/03	115	125	90.6	100.6	3	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.88	UG/L
	09/12/03	115	125	90.6	100.6	3	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.88	UG/L
	12/02/03	115	125	90.6	100.6	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.93	UG/L
	12/02/03	115	125	90.6	100.6	II	E314.0	{ND on all 1} analytes		
	03/10/04	115	125	90.6	100.6	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.91	UG/L
	03/10/04	115	125	90.6	100.6	II	E314.0	{ND on all 1} analytes		
	08/26/04	115	125	90.6	100.6	II	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.87	UG/L
	02/15/05	115	125	90.6	100.6	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.86 J	UG/L
	06/10/05	115	125	90.6	100.6	*	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.9 *	UG/L
	06/10/05	115	125	90.6	100.6	3	E314.0	{ND on all 1} analytes		
MW-287S	12/08/03	133	143	0	10	II	E314.0	PERCHLORATE	1.87	UG/L
	12/08/03	133	143	0	10	II	8330N	{ND on all 19} analytes		
	03/23/04	133	143	0	10	II	8330N	{ND on all 19} analytes		
	03/23/04	133	143	0	10	II	E314.0	PERCHLORATE	2.2	UG/L
	06/22/04	133	143	0	10	II	8330N	{ND on all 19} analytes		
	06/22/04	133	143	0	10	II	E314.0	PERCHLORATE	1.7	UG/L
	01/14/05	133	143	0	10	II	E314.0	PERCHLORATE	1.45 J	UG/L
	06/14/05	133	143	0	10	II	E314.0	PERCHLORATE	0.98 J	UG/L
	07/20/05	133	143	0	10	*	E314.0	PERCHLORATE	0.72 J*	UG/L
MW-287M1	12/08/03	160	170	25.5	35.5	II	8330N	{ND on all 19} analytes		
	12/08/03	160	170	25.5	35.5	II	E314.0	PERCHLORATE	0.82 J	UG/L
	03/23/04	160	170	25.5	35.5	II	8330N	{ND on all 19} analytes		
	03/23/04	160	170	25.5	35.5	II	E314.0	PERCHLORATE	0.91 J	UG/L
	06/22/04	160	170	25.5	35.5	II	8330N	{ND on all 19} analytes		
	06/22/04	160	170	25.5	35.5	II	E314.0	PERCHLORATE	0.79 J	UG/L
	01/14/05	160	170	25.5	35.5	II	E314.0	PERCHLORATE	0.73 J	UG/L
	01/14/05	160	170	25.5	35.5	II	E314.0	PERCHLORATE	0.7 J	UG/L
	06/13/05	160	170	25.5	35.5	II	E314.0	PERCHLORATE	0.71 J	UG/L
	07/20/05	160	170	25.5	35.5	*	E314.0	PERCHLORATE	0.38 J*	UG/L
MW-297S	12/23/03	72	82	0.3	10.3	II	8330N	{ND on all 19} analytes		
	12/23/03	72	82	0.3	10.3	II	E314.0	PERCHLORATE	2.53	UG/L
	03/23/04	72	82	0.3	10.3	II	8330N	{ND on all 19} analytes		
	03/23/04	72	82	0.3	10.3	II	E314.0	PERCHLORATE	2.4	UG/L
	06/22/04	72	82	0.3	10.3	3	8330N	{ND on all 19} analytes		
	06/22/04	72	82	0.3	10.3	II	E314.0	PERCHLORATE	1.8	UG/L
	02/14/05	72	82	0.3	10.3	II	E314.0	PERCHLORATE	1.7	UG/L
	05/25/05	72	82	0.3	10.3	II	E314.0	PERCHLORATE	2.2	UG/L

Table 4-7
Groundwater Sampling Results
Northwest Corner Study Area

WELL ID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS
MW-297M1	12/22/03	92	102	20.3	30.3	II	8330N	{ND on all 19} analytes		
	12/22/03	92	102	20.3	30.3	II	E314.0	PERCHLORATE	1.9	UG/L
	03/23/04	92	102	20.3	30.3	II	8330N	{ND on all 19} analytes		
	03/23/04	92	102	20.3	30.3	II	E314.0	PERCHLORATE	2	UG/L
	06/22/04	92	102	20.3	30.3	3	8330N	{ND on all 19} analytes		
	06/22/04	92	102	20.3	30.3	II	E314.0	PERCHLORATE	1.8	UG/L
	02/14/05	92	102	20.3	30.3	II	E314.0	PERCHLORATE	1.6	UG/L
	05/25/05	92	102	20.3	30.3	II	E314.0	PERCHLORATE	1.6	UG/L
	05/25/05	92	102	20.3	30.3	II	E314.0	PERCHLORATE	1.6	UG/L
MW-298S	02/11/04	83	93	0	10	II	8330N	{ND on all 19} analytes		
	02/11/04	83	93	0	10	II	E314.0	PERCHLORATE	0.57 J	UG/L
	05/14/04	83	93	0	10	II	8330N	{ND on all 19} analytes		
	05/14/04	83	93	0	10	II	E314.0	PERCHLORATE	0.63 J	UG/L
	08/11/04	83	93	0	10	II	8330N	{ND on all 19} analytes		
	08/11/04	83	93	0	10	II	E314.0	PERCHLORATE	0.68 J	UG/L
	05/12/05	83	93	0	10	II	E314.0	PERCHLORATE	0.96 J	UG/L
	08/15/05	83	93	0	10	*	E314.0	PERCHLORATE	0.76 J*	UG/L
MW-298M2	02/12/04	174	184	87.6	97.6	II	8330N	{ND on all 19} analytes		
	02/12/04	174	184	87.6	97.6	II	E314.0	{ND on all 1} analytes		
	05/14/04	174	184	87.6	97.6	II	8330N	{ND on all 19} analytes		
	05/14/04	174	184	87.6	97.6	II	E314.0	{ND on all 1} analytes		
	05/14/04	174	184	87.6	97.6	II	8330N	{ND on all 19} analytes		
	05/14/04	174	184	87.6	97.6	II	E314.0	{ND on all 1} analytes		
	08/11/04	174	184	87.6	97.6	II	8330N	{ND on all 19} analytes		
	08/11/04	174	184	87.6	97.6	II	E314.0	{ND on all 1} analytes		
	05/12/05	174	184	87.6	97.6	II	E314.0	{ND on all 1} analytes		
	08/15/05	174	184	87.6	97.6	*	E314.0	{ND on all 1} analytes	*	
	08/15/05	174	184	87.6	97.6	*	E314.0	{ND on all 1} analytes	*	
MW-298M1	02/12/04	191	201	105.1	115.1	II	8330N	{ND on all 19} analytes		
	02/12/04	191	201	105.1	115.1	II	E314.0	{ND on all 1} analytes		
	05/14/04	191	201	105.1	115.1	II	8330N	{ND on all 19} analytes		
	05/14/04	191	201	105.1	115.1	II	E314.0	{ND on all 1} analytes		
	08/11/04	191	201	105.1	115.1	II	8330N	{ND on all 19} analytes		
	08/11/04	191	201	105.1	115.1	II	E314.0	{ND on all 1} analytes		
	08/15/05	191	201	105.1	115.1	*	E314.0	{ND on all 1} analytes	*	
MW-299S	02/25/04	96	106	0	10	II	8330N	{ND on all 19} analytes		
	02/26/04	96	106	0	10	4	E314.1	{ND on all 1} analytes		
	05/24/04	96	106	0	10	II	8330N	{ND on all 19} analytes		
	05/24/04	96	106	0	10	II	E314.0	{ND on all 1} analytes		
	08/11/04	96	106	0	10	II	8330N	{ND on all 19} analytes		
	08/11/04	96	106	0	10	II	E314.0	{ND on all 1} analytes		
MW-299M1	02/25/04	150	160	52.8	62.8	II	8330N	{ND on all 19} analytes		
	02/26/04	150	160	52.8	62.8	4	E314.1	{ND on all 1} analytes		
	05/24/04	150	160	52.8	62.8	II	8330N	{ND on all 19} analytes		
	05/24/04	150	160	52.8	62.8	II	E314.0	{ND on all 1} analytes		
	08/11/04	150	160	52.8	62.8	II	8330N	{ND on all 19} analytes		
	08/11/04	150	160	52.8	62.8	II	E314.0	{ND on all 1} analytes		
MW-301S	02/25/04	97	107	1.3	11.3	II	8330N	{ND on all 19} analytes		
	02/26/04	97	107	1.3	11.3	4	E314.1	PERCHLORATE	2.75	UG/L
	05/21/04	97	107	1.3	11.3	II	8330N	{ND on all 19} analytes		
	05/21/04	97	107	1.3	11.3	II	E314.0	PERCHLORATE	2.3	UG/L
	08/12/04	97	107	1.3	11.3	II	8330N	{ND on all 19} analytes		
	08/12/04	97	107	1.3	11.3	II	E314.0	PERCHLORATE	3.1	UG/L
	06/17/05	97	107	1.3	11.3	*	E314.0	PERCHLORATE	1.3 *	UG/L

Table 4-7
Groundwater Sampling Results
Northwest Corner Study Area

WELL ID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS
MW-301M1	02/25/04	220	230	121.8	131.8	II	8330N	{ND on all 19} analytes		
	02/25/04	220	230	121.8	131.8	3	E314.0	{ND on all 1} analytes		
	02/25/04	220	230	121.8	131.8	II	8330N	{ND on all 19} analytes		
	02/26/04	220	230	121.8	131.8	4	E314.1	{ND on all 1} analytes		
	05/21/04	220	230	121.8	131.8	II	8330N	{ND on all 19} analytes		
	05/21/04	220	230	121.8	131.8	II	E314.0	{ND on all 1} analytes		
	05/21/04	220	230	121.8	131.8	II	8330N	{ND on all 19} analytes		
	05/21/04	220	230	121.8	131.8	II	E314.0	{ND on all 1} analytes		
	08/12/04	220	230	121.8	131.8	II	8330N	{ND on all 19} analytes		
	08/12/04	220	230	121.8	131.8	II	E314.0	{ND on all 1} analytes		
	08/12/04	220	230	121.8	131.8	II	8330N	{ND on all 19} analytes		
	08/12/04	220	230	121.8	131.8	II	E314.0	{ND on all 1} analytes		
MW-309S	03/08/04	32	42	0	10	II	8330N	{ND on all 19} analytes		
	03/08/04	32	42	0	10	II	E314.0	PERCHLORATE	0.64 J	UG/L
	06/15/04	32	42	0	10	II	8330N	{ND on all 19} analytes		
	06/15/04	32	42	0	10	3	E314.0	PERCHLORATE	0.55 J	UG/L
	09/15/04	32	42	0	10	II	8330N	{ND on all 19} analytes		
	09/15/04	32	42	0	10	II	E314.0	PERCHLORATE	1.15	UG/L
	06/10/05	32	42	0	10	3	E314.0	PERCHLORATE	3.7	UG/L
MW-309M1	03/08/04	65	75	31.9	41.9	II	8330N	{ND on all 19} analytes		
	03/09/04	65	75	31.9	41.9	II	E314.1	PERCHLORATE	0.8 J	UG/L
	06/15/04	65	75	31.9	41.9	II	8330N	{ND on all 19} analytes		
	06/15/04	65	75	31.9	41.9	3	E314.0	PERCHLORATE	1.1 J	UG/L
	09/15/04	65	75	31.9	41.9	II	8330N	{ND on all 19} analytes		
	09/15/04	65	75	31.9	41.9	II	E314.0	PERCHLORATE	3.72	UG/L
	06/10/05	65	75	31.9	41.9	3	E314.0	PERCHLORATE	4.2	UG/L
MW-314S	03/23/04	24	34	0	10	II	8330N	{ND on all 19} analytes		
	03/23/04	24	34	0	10	II	E314.0	PERCHLORATE	0.57 J	UG/L
	06/23/04	24	34	0	10	3	8330N	{ND on all 19} analytes		
	06/23/04	24	34	0	10	II	E314.0	PERCHLORATE	0.36 J	UG/L
	09/22/04	24	34	0	10	II	8330N	{ND on all 19} analytes		
	09/22/04	24	34	0	10	II	E314.0	PERCHLORATE	0.46 J	UG/L
	06/10/05	24	34	0	10	3	E314.0	{ND on all 1} analytes		
	08/16/05	24	34	0	10	*	E314.0	PERCHLORATE	0.41 J*	UG/L
MW-314M1	03/23/04	45	55	18.8	28.8	II	8330N	{ND on all 19} analytes		
	03/24/04	45	55	18.8	28.8	II	E314.1	{ND on all 1} analytes		
	03/23/04	45	55	18.8	28.8	II	8330N	{ND on all 19} analytes		
	03/23/04	45	55	18.8	28.8	II	E314.0	{ND on all 1} analytes		
	06/22/04	45	55	18.8	28.8	3	8330N	{ND on all 19} analytes		
	06/22/04	45	55	18.8	28.8	II	E314.0	{ND on all 1} analytes		
	09/22/04	45	55	18.8	28.8	II	8330N	{ND on all 19} analytes		
	09/22/04	45	55	18.8	28.8	II	E314.0	{ND on all 1} analytes		
	06/10/05	45	55	18.8	28.8	3	E314.0	{ND on all 1} analytes		
	08/16/05	45	55	18.8	28.8	*	E314.0	{ND on all 1} analytes	*	
	08/16/05	45	55	18.8	28.8	*	E314.0	{ND on all 1} analytes	*	
MW-320S	04/14/04	114	124	0	10	II	8330N	{ND on all 19} analytes		
	04/14/04	114	124	0	10	3	E314.0	PERCHLORATE	1.45	UG/L
	07/13/04	114	124	0	10	II	8330N	{ND on all 19} analytes		
	07/13/04	114	124	0	10	II	E314.0	PERCHLORATE	1.42	UG/L
	10/14/04	114	124	0	10	II	8330N	{ND on all 19} analytes		
	10/14/04	114	124	0	10	II	E314.0	PERCHLORATE	1.13	UG/L

Table 4-7
Groundwater Sampling Results
Northwest Corner Study Area

WELL ID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS
MW-320M1	04/14/04	138	148	22.5	32.5	II	8330N	{ND on all 19} analytes		
	04/14/04	138	148	22.5	32.5	3	E314.0	PERCHLORATE	0.81 J	UG/L
	07/13/04	138	148	22.5	32.5	II	8330N	{ND on all 19} analytes		
	07/13/04	138	148	22.5	32.5	II	E314.0	PERCHLORATE	0.72 J	UG/L
	07/13/04	138	148	22.5	32.5	II	8330N	{ND on all 19} analytes		
	07/13/04	138	148	22.5	32.5	II	E314.0	PERCHLORATE	0.76 J	UG/L
	10/14/04	138	148	22.5	32.5	II	8330N	{ND on all 19} analytes		
	10/14/04	138	148	22.5	32.5	II	E314.0	PERCHLORATE	0.62 J	UG/L
	10/14/04	138	148	22.5	32.5	II	8330N	{ND on all 19} analytes		
	10/14/04	138	148	22.5	32.5	II	E314.0	PERCHLORATE	0.69 J	UG/L
MW-323S	04/19/04	73	83	0	10	II	8330N	{ND on all 19} analytes		
	04/19/04	73	83	0	10	II	E314.0	PERCHLORATE	3.14	UG/L
	07/27/04	73	83	0	10	II	8330N	{ND on all 19} analytes		
	07/27/04	73	83	0	10	II	E314.0	PERCHLORATE	2.78	UG/L
	10/08/04	73	83	0	10	II	8330N	{ND on all 19} analytes		
	10/08/04	73	83	0	10	II	E314.0	PERCHLORATE	1.38	UG/L
	06/15/05	73	83	0	10	II	8330N	{ND on all 19} analytes		
	06/15/05	73	83	0	10	*	E314.0	PERCHLORATE	3.6 *	UG/L
	07/20/05	73	83	0	10	*	8330N	{ND on all 19} analytes	*	
	07/20/05	73	83	0	10	*	E314.0	PERCHLORATE	3 *	UG/L
MW-323M2	04/19/04	120	130	46.1	56.1	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	5.7	UG/L
	04/19/04	120	130	46.1	56.1	II	E314.0	PERCHLORATE	0.47 J	UG/L
	07/27/04	120	130	46.1	56.1	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	6.5	UG/L
	07/27/04	120	130	46.1	56.1	II	E314.0	PERCHLORATE	0.38 J	UG/L
	07/27/04	120	130	46.1	56.1	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	6.6	UG/L
	07/27/04	120	130	46.1	56.1	II	E314.0	{ND on all 1} analytes		
	10/08/04	120	130	46.1	56.1	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	9.6	UG/L
	10/08/04	120	130	46.1	56.1	II	E314.0	PERCHLORATE	0.49 J	UG/L
	06/15/05	120	130	46.1	56.1	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	9.5	UG/L
	06/15/05	120	130	46.1	56.1	*	E314.0	{ND on all 1} analytes	*	
	07/20/05	120	130	46.1	56.1	*	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	8.4 *	UG/L
	07/20/05	120	130	46.1	56.1	*	E314.0	{ND on all 1} analytes	*	
MW-323M1	04/19/04	195	205	121.1	131.1	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	1.2	UG/L
	04/19/04	195	205	121.1	131.1	II	E314.0	{ND on all 1} analytes		
	07/27/04	195	205	121.1	131.1	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	1.5	UG/L
	07/27/04	195	205	121.1	131.1	II	E314.0	{ND on all 1} analytes		
	10/08/04	195	205	121.1	131.1	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	1.5	UG/L
	10/08/04	195	205	121.1	131.1	II	E314.0	{ND on all 1} analytes		
	06/15/05	195	205	121.1	131.1	*	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	1.1 J*	UG/L
	06/15/05	195	205	121.1	131.1	*	E314.0	{ND on all 1} analytes	*	
	07/20/05	195	205	121.1	131.1	*	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	1.2 J*	UG/L
	07/20/05	195	205	121.1	131.1	*	E314.0	{ND on all 1} analytes	*	
MW-332S	06/15/04	119	129	0	8.4	II	8330N	{ND on all 19} analytes		
	06/15/04	119	129	0	8.4	II	E314.0	PERCHLORATE	1.36	UG/L
	09/28/04	119	129	0	8.4	II	8330N	{ND on all 19} analytes		
	09/28/04	119	129	0	8.4	II	E314.0	PERCHLORATE	1.46	UG/L
	12/22/04	119	129	0	8.4	II	8330N	{ND on all 19} analytes		
	12/22/04	119	129	0	8.4	II	E314.0	PERCHLORATE	1.44	UG/L
	06/15/05	119	129	0	8.4	II	E314.0	PERCHLORATE	1.4	UG/L
MW-338S	07/22/04	72	82	0	8.8	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.25 J	UG/L
	07/22/04	72	82	0	8.8	II	E314.0	PERCHLORATE	0.42 J	UG/L
	08/18/04	72	82	0	8.8	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.25	UG/L
	10/14/04	72	82	0	8.8	II	8330N	{ND on all 19} analytes		
	10/14/04	72	82	0	8.8	II	E314.0	PERCHLORATE	0.54 J	UG/L
	01/21/05	72	82	0	8.8	II	8330N	{ND on all 19} analytes		
	01/21/05	72	82	0	8.8	II	E314.0	PERCHLORATE	0.4 J	UG/L

Table 4-7
Groundwater Sampling Results
Northwest Corner Study Area

WELL ID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS
MW-338M2	07/22/04	119	129	45.8	55.8	II	8330N	{ND on all 19} analytes		
	07/22/04	119	129	45.8	55.8	II	E314.0	{ND on all 1} analytes		
	08/18/04	119	129	45.8	55.8	II	8330N	{ND on all 19} analytes		
	08/18/04	119	129	45.8	55.8	II	8330N	{ND on all 19} analytes		
	10/14/04	119	129	45.8	55.8	II	8330N	{ND on all 19} analytes		
	10/14/04	119	129	45.8	55.8	II	E314.0	{ND on all 1} analytes		
	01/21/05	119	129	45.8	55.8	II	8330N	{ND on all 19} analytes		
	01/21/05	119	129	45.8	55.8	II	E314.0	{ND on all 1} analytes		
MW-338M1	07/22/04	189	199	115.6	125.6	II	8330N	{ND on all 19} analytes		
	07/22/04	189	199	115.6	125.6	II	E314.0	{ND on all 1} analytes		
	08/18/04	189	199	115.6	125.6	II	8330N	{ND on all 19} analytes		
	10/14/04	189	199	115.6	125.6	II	8330N	{ND on all 19} analytes		
	10/14/04	189	199	115.6	125.6	II	E314.0	{ND on all 1} analytes		
	01/21/05	189	199	115.6	125.6	II	8330N	{ND on all 19} analytes		
	01/21/05	189	199	115.6	125.6	II	E314.0	{ND on all 1} analytes		
MW-344S	09/27/04	115.5	125.5	0	8.1	II	8330N	{ND on all 19} analytes		
	09/27/04	115.5	125.5	0	8.1	II	E314.0	PERCHLORATE	0.59 J	UG/L
	02/18/05	115.5	125.5	0	8.1	II	8330N	{ND on all 19} analytes		
	02/18/05	115.5	125.5	0	8.1	II	E314.0	PERCHLORATE	0.42 J	UG/L
	05/25/05	115.5	125.5	0	8.1	II	8330N	{ND on all 19} analytes		
	05/25/05	115.5	125.5	0	8.1	II	E314.0	PERCHLORATE	0.47 J	UG/L
MW-344M2	09/27/04	145	155	27.6	37.6	II	8330N	{ND on all 19} analytes		
	09/27/04	145	155	27.6	37.6	II	E314.0	PERCHLORATE	0.72 J	UG/L
	02/18/05	145	155	27.6	37.6	II	8330N	{ND on all 19} analytes		
	02/18/05	145	155	27.6	37.6	II	E314.0	PERCHLORATE	0.64 J	UG/L
	05/25/05	145	155	27.6	37.6	II	8330N	{ND on all 19} analytes		
	05/25/05	145	155	27.6	37.6	II	E314.0	PERCHLORATE	0.59 J	UG/L
MW-344M1	09/27/04	170	180	53.1	63.1	II	8330N	{ND on all 19} analytes		
	09/27/04	170	180	53.1	63.1	II	E314.0	{ND on all 1} analytes		
	02/17/05	170	180	53.1	63.1	3	8330N	{ND on all 19} analytes		
	02/17/05	170	180	53.1	63.1	II	E314.0	{ND on all 1} analytes		
	05/25/05	170	180	53.1	63.1	II	8330N	{ND on all 19} analytes		
	05/25/05	170	180	53.1	63.1	II	E314.0	{ND on all 1} analytes		
MW-350M2	10/12/04	126	136	41.0	51.0	II	8330N	{ND on all 19} analytes		
	10/12/04	126	136	41.0	51.0	II	E314.0	{ND on all 1} analytes		
	10/12/04	126	136	41.0	51.0	II	8330N	{ND on all 19} analytes		
	10/12/04	126	136	41.0	51.0	II	E314.0	{ND on all 1} analytes		
	02/17/05	126	136	41.0	51.0	II	8330N	{ND on all 19} analytes		
	02/17/05	126	136	41.0	51.0	II	E314.0	{ND on all 1} analytes		
	05/25/05	126	136	41.0	51.0	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.46 J	UG/L
	05/25/05	126	136	41.0	51.0	II	E314.0	{ND on all 1} analytes		
	05/25/05	126	136	41.0	51.0	II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.44	UG/L
	05/25/05	126	136	41.0	51.0	II	E314.0	{ND on all 1} analytes		
MW-350M1	10/12/04	221	231	135.4	145.4	II	8330N	{ND on all 19} analytes		
	10/12/04	221	231	135.4	145.4	II	E314.0	PERCHLORATE	0.5 J	UG/L
	02/17/05	221	231	135.4	145.4	II	8330N	{ND on all 19} analytes		
	02/17/05	221	231	135.4	145.4	II	E314.0	{ND on all 1} analytes		
	02/17/05	221	231	135.4	145.4	II	8330N	{ND on all 19} analytes		
	02/17/05	221	231	135.4	145.4	II	E314.0	PERCHLORATE	0.38 J	UG/L
	05/25/05	221	231	135.4	145.4	II	8330N	{ND on all 19} analytes		
	05/25/05	221	231	135.4	145.4	II	E314.0	PERCHLORATE	0.88 J	UG/L

Table 4-7
Groundwater Sampling Results
Northwest Corner Study Area

WELL ID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS
4036011	10/23/97	0	0			II	8330	{ND on all 18} analytes		
	02/02/99	0	0			II	8330N	{ND on all 19} analytes		
	10/05/99	0	0			II	8330N	{ND on all 19} analytes		
	10/02/01	0	0			II	8330N	{ND on all 19} analytes		
	10/02/01	0	0			II	E314.0	{ND on all 1} analytes		
	10/02/01	0	0			II	8330N	{ND on all 19} analytes		
	10/02/01	0	0			II	E314.0	{ND on all 1} analytes		
	08/16/02	0	0			3	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.28 J	UG/L
	08/16/02	0	0			3	E314.0	{ND on all 1} analytes		
	09/03/02	0	0			3	8330N	{ND on all 19} analytes		
	09/03/02	0	0			3	8330N	{ND on all 19} analytes		
	11/20/02	0	0			II	8330N	{ND on all 19} analytes		
	11/20/02	0	0			II	E314.0	{ND on all 1} analytes		
	11/20/02	0	0			II	8330N	{ND on all 19} analytes		
	11/20/02	0	0			II	E314.0	{ND on all 1} analytes		
	02/27/03	0	0			II	E314.0	{ND on all 1} analytes		
	02/27/03	0	0			II	8330N	{ND on all 19} analytes		
	02/27/03	0	0			II	E314.0	{ND on all 1} analytes		
	02/27/03	0	0			II	8330N	{ND on all 19} analytes		
	05/23/03	0	0			II	E314.0	{ND on all 1} analytes		
	05/23/03	0	0			II	8330N	{ND on all 19} analytes		
	08/22/03	0	0			II	E314.0	PERCHLORATE	0.4 J	UG/L
	08/22/03	0	0			II	8330N	{ND on all 19} analytes		
	12/17/03	0	0			II	E314.0	{ND on all 1} analytes		
	12/17/03	0	0			II	8330N	{ND on all 1} analytes		
	02/18/04	0	0			II	8330N	{ND on all 19} analytes		
	02/18/04	0	0			II	E314.0	{ND on all 1} analytes		
	05/19/04	0	0			II	8330N	{ND on all 19} analytes		
	05/19/04	0	0			II	E314.0	{ND on all 1} analytes		
CWNW01	07/10/03	132	145			II	E314.0	{ND on all 1} analytes		
	07/10/03	132	145			II	8330N	{ND on all 19} analytes		
4036009DC	12/20/02	0	0			II	8330N	{ND on all 19} analytes		
	12/20/02	0	0			II	E314.0	PERCHLORATE	5.26	UG/L
	12/20/02	0	0			II	8330N	{ND on all 19} analytes		
	12/20/02	0	0			II	E314.0	PERCHLORATE	5.51	UG/L
	01/08/03	0	0			II	E314.0	PERCHLORATE	6.06	UG/L
	01/08/03	0	0			II	E314.0	PERCHLORATE	5.99	UG/L
	09/03/03	0	0			II	E314.0	PERCHLORATE	4.15	UG/L
	09/03/03	0	0			II	8330N	{ND on all 19} analytes		
	11/24/03	0	0			II	E314.0	PERCHLORATE	4.88	UG/L
	11/24/03	0	0			II	8330N	{ND on all 19} analytes		
	02/17/04	0	0			II	8330N	{ND on all 19} analytes		
	02/17/04	0	0			II	E314.0	PERCHLORATE	5.13	UG/L
	05/19/04	0	0			II	8330N	{ND on all 19} analytes		
	05/19/04	0	0			II	E314.0	PERCHLORATE	5.36	UG/L
	05/19/04	0	0			II	8330N	{ND on all 19} analytes		
	05/19/04	0	0			II	E314.0	PERCHLORATE	5.23	UG/L
	08/18/04	0	0			II	8330N	{ND on all 19} analytes		
	08/18/04	0	0			II	E314.0	PERCHLORATE	5.63	UG/L
	12/13/04	0	0			II	8330N	{ND on all 19} analytes		
	12/13/04	0	0			II	E314.0	PERCHLORATE	5.03	UG/L
	04/04/05	0	0			II	8330N	{ND on all 19} analytes		
	04/04/05	0	0			II	E314.0	PERCHLORATE	4.6 J	UG/L
	08/23/05	0	0			II	SW8330	{ND on all 19} analytes		
	08/23/05	0	0			II	E314.0	PERCHLORATE	3.9	UG/L

Table 4-7
Groundwater Sampling Results
Northwest Corner Study Area

WELL ID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS
RSNW01	04/18/03	0	0			II	E314.0	{ND on all 1} analytes		
	04/18/03	0	0			II	8330N	{ND on all 19} analytes		
	07/10/03	0	0			II	E314.0	{ND on all 1} analytes		
	07/10/03	0	0			II	8330N	{ND on all 19} analytes		
	08/06/03	0	0			II	E314.0	{ND on all 1} analytes		
	08/06/03	0	0			II	8330N	{ND on all 19} analytes		
	09/03/03	0	0			II	E314.0	PERCHLORATE	0.36 J	UG/L
	09/03/03	0	0			II	8330N	{ND on all 19} analytes		
	10/15/03	0	0			II	E314.0	{ND on all 1} analytes		
	10/15/03	0	0			II	8330N	{ND on all 19} analytes		
	11/12/03	0	0			II	E314.0	{ND on all 1} analytes		
	11/12/03	0	0			II	8330N	{ND on all 19} analytes		
	12/10/03	0	0			II	E314.0	{ND on all 1} analytes		
	12/10/03	0	0			II	8330N	{ND on all 19} analytes		
	01/21/04	0	0			II	8330N	{ND on all 19} analytes		
	01/21/04	0	0			II	E314.0	{ND on all 1} analytes		
	02/18/04	0	0			II	8330N	{ND on all 19} analytes		
	02/18/04	0	0			II	E314.0	{ND on all 1} analytes		
	03/17/04	0	0			3	8330N	{ND on all 19} analytes		
	03/17/04	0	0			II	E314.0	{ND on all 1} analytes		
	04/14/04	0	0			II	8330N	{ND on all 19} analytes		
	04/14/04	0	0			II	E314.0	{ND on all 1} analytes		
	05/12/04	0	0			II	8330N	{ND on all 19} analytes		
	05/12/04	0	0			II	E314.0	{ND on all 1} analytes		
	06/09/04	0	0			II	8330N	{ND on all 19} analytes		
	06/09/04	0	0			II	E314.0	PERCHLORATE	0.5 J	UG/L
	07/07/04	0	0			II	8330N	{ND on all 19} analytes		
	07/07/04	0	0			II	E314.0	PERCHLORATE	0.42 J	UG/L
	08/04/04	0	0			II	8330N	{ND on all 19} analytes		
	08/04/04	0	0			II	E314.0	PERCHLORATE	0.65 J	UG/L
	09/09/04	0	0			II	8330N	{ND on all 19} analytes		
	09/09/04	0	0			II	E314.0	{ND on all 1} analytes		

Table 4-7
Groundwater Sampling Results
Northwest Corner Study Area

WELL ID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS
RSNW02	04/18/03	0	0			II	E314.0	{ND on all 1} analytes		
	04/18/03	0	0			II	8330N	{ND on all 19} analytes		
RSNW03	04/30/03	0	0			II	E314.0	PERCHLORATE	1.75	UG/L
	04/30/03	0	0			II	8330N	{ND on all 19} analytes		
	05/07/03	0	0			II	E314.0	PERCHLORATE	1.65	UG/L
	05/07/03	0	0			II	E314.0	PERCHLORATE	1.7	UG/L
	05/07/03	0	0			II	E314.0	PERCHLORATE	1.7	UG/L
	05/07/03	0	0			II	E314.0	PERCHLORATE	1.8	UG/L
	05/30/03	0	0			II	E314.0	PERCHLORATE	1.67	UG/L
	06/25/03	0	0			II	E314.0	PERCHLORATE	1.9	UG/L
	06/25/03	0	0			II	8330N	{ND on all 19} analytes		
	07/10/03	0	0			II	E314.0	PERCHLORATE	1.79	UG/L
	07/10/03	0	0			II	8330N	{ND on all 19} analytes		
	07/23/03	0	0			II	E314.0	PERCHLORATE	1.7	UG/L
	08/06/03	0	0			II	E314.0	PERCHLORATE	1.65	UG/L
	08/06/03	0	0			II	8330N	{ND on all 19} analytes		
	08/22/03	0	0			II	E314.0	PERCHLORATE	1.57	UG/L
	08/22/03	0	0			II	E314.0	PERCHLORATE	1.56	UG/L
	09/03/03	0	0			II	E314.0	PERCHLORATE	1.66	UG/L
	09/03/03	0	0			II	8330N	{ND on all 19} analytes		
	09/17/03	0	0			II	E314.0	PERCHLORATE	1.64	UG/L
	09/17/03	0	0			II	E314.0	PERCHLORATE	1.69	UG/L
	10/01/03	0	0			II	E314.0	PERCHLORATE	1.68	UG/L
	10/15/03	0	0			II	E314.0	PERCHLORATE	1.6	UG/L
	10/15/03	0	0			II	8330N	{ND on all 19} analytes		
	10/29/03	0	0			II	E314.0	PERCHLORATE	1.85	UG/L
	10/29/03	0	0			II	E314.0	PERCHLORATE	1.85	UG/L
	11/12/03	0	0			II	E314.0	PERCHLORATE	1.81	UG/L
	11/12/03	0	0			II	8330N	{ND on all 19} analytes		
	11/26/03	0	0			II	E314.0	PERCHLORATE	1.69	UG/L
	12/10/03	0	0			II	E314.0	PERCHLORATE	1.93	UG/L
	12/10/03	0	0			II	8330N	{ND on all 19} analytes		
	01/08/04	0	0			II	E314.0	PERCHLORATE	1.71	UG/L
	01/22/04	0	0			II	8330N	{ND on all 19} analytes		
	01/22/04	0	0			II	E314.0	PERCHLORATE	1.72	UG/L
	02/04/04	0	0			II	E314.0	PERCHLORATE	1.76	UG/L
	02/04/04	0	0			II	E314.0	PERCHLORATE	1.67	UG/L
	02/18/04	0	0			II	8330N	{ND on all 19} analytes		
	02/18/04	0	0			II	E314.0	PERCHLORATE	1.7	UG/L
	03/03/04	0	0			II	E314.0	PERCHLORATE	1.65	UG/L
	03/17/04	0	0			3	8330N	{ND on all 19} analytes		
	03/17/04	0	0			II	E314.0	PERCHLORATE	1.79	UG/L
	03/31/04	0	0			II	E314.0	PERCHLORATE	1.83	UG/L
	04/14/04	0	0			II	8330N	{ND on all 19} analytes		
	04/14/04	0	0			II	E314.0	PERCHLORATE	1.81	UG/L
	04/28/04	0	0			II	E314.0	PERCHLORATE	1.8	UG/L
	05/12/04	0	0			II	8330N	{ND on all 19} analytes		
	05/12/04	0	0			II	E314.0	PERCHLORATE	1.9	UG/L
	05/26/04	0	0			II	E314.0	PERCHLORATE	1.93	UG/L
	06/09/04	0	0			II	8330N	{ND on all 19} analytes		
	06/09/04	0	0			II	E314.0	PERCHLORATE	1.9	UG/L
	06/23/04	0	0			II	E314.0	PERCHLORATE	1.81	UG/L
	07/07/04	0	0			II	8330N	{ND on all 19} analytes		
	07/07/04	0	0			II	E314.0	PERCHLORATE	2.01 J	UG/L
	07/21/04	0	0			II	E314.0	PERCHLORATE	1.86	UG/L
	08/04/04	0	0			II	8330N	{ND on all 19} analytes		
	08/04/04	0	0			II	E314.0	PERCHLORATE	1.91	UG/L
	08/18/04	0	0			II	E314.0	PERCHLORATE	1.93	UG/L
	09/09/04	0	0			II	8330N	{ND on all 19} analytes		
	09/09/04	0	0			II	E314.0	PERCHLORATE	2.07	UG/L

Table 4-7
Groundwater Sampling Results
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WELL ID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS
RSNW04	05/15/03	0	0			II	E314.0	{ND on all 1} analytes		
	05/15/03	0	0			II	8330N	{ND on all 19} analytes		
	05/15/03	0	0			II	E314.0	{ND on all 1} analytes		
	05/15/03	0	0			II	8330N	{ND on all 19} analytes		
	10/12/04	0	0			II	8330N	{ND on all 19} analytes		
	10/12/04	0	0			II	E314.0	{ND on all 1} analytes		
RSNW05	05/15/03	0	0			II	E314.0	{ND on all 1} analytes		
	05/15/03	0	0			II	8330N	{ND on all 19} analytes		
	10/12/04	0	0			II	8330N	{ND on all 19} analytes		
	10/12/04	0	0			II	E314.0	{ND on all 1} analytes		
RSNW06	05/30/03	0	0			II	E314.0	PERCHLORATE	0.47 J	UG/L
	05/30/03	0	0			II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.25	UG/L
	06/12/03	0	0			3	E314.0	PERCHLORATE	0.59 J	UG/L
	06/12/03	0	0			II	8330N	{ND on all 19} analytes		
	07/10/03	0	0			II	E314.0	PERCHLORATE	0.48 J	UG/L
	07/10/03	0	0			II	8330N	{ND on all 19} analytes		
	08/06/03	0	0			II	E314.0	PERCHLORATE	0.43 J	UG/L
	08/06/03	0	0			II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.26	UG/L
	09/03/03	0	0			II	E314.0	PERCHLORATE	0.51 J	UG/L
	09/03/03	0	0			II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.26	UG/L
	10/15/03	0	0			II	E314.0	PERCHLORATE	0.46 J	UG/L
	10/15/03	0	0			II	E314.0	PERCHLORATE	0.51 J	UG/L
	10/15/03	0	0			II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.27	UG/L
	10/15/03	0	0			II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.29	UG/L
	11/12/03	0	0			II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.29	UG/L
	11/12/03	0	0			II	E314.0	PERCHLORATE	0.73 J	UG/L
	12/16/03	0	0			II	E314.0	PERCHLORATE	0.43 J	UG/L
	12/16/03	0	0			II	E314.0	PERCHLORATE	0.56 J	UG/L
	12/16/03	0	0			II	8330N	{ND on all 19} analytes		
	12/16/03	0	0			II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.28	UG/L
	01/21/04	0	0			II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.3	UG/L
	01/21/04	0	0			II	E314.0	PERCHLORATE	0.67 J	UG/L
	02/24/04	0	0			II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.3	UG/L
	02/24/04	0	0			II	E314.0	PERCHLORATE	0.53 J	UG/L
	02/24/04	0	0			II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.29	UG/L
	02/24/04	0	0			II	E314.0	PERCHLORATE	0.54 J	UG/L
	03/22/04	0	0			II	8330N	{ND on all 19} analytes		
	03/22/04	0	0			II	E314.0	PERCHLORATE	0.49 J	UG/L
	04/23/04	0	0			II	8330N	{ND on all 19} analytes		
	04/13/04	0	0			II	E314.0	PERCHLORATE	0.63 J	UG/L
	05/12/04	0	0			II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.33	UG/L
	05/12/04	0	0			II	E314.0	PERCHLORATE	0.66 J	UG/L
	06/09/04	0	0			II	8330N	{ND on all 19} analytes		
	06/09/04	0	0			II	E314.0	PERCHLORATE	0.36 J	UG/L
	07/07/04	0	0			II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.26	UG/L
	07/07/04	0	0			II	E314.0	PERCHLORATE	0.68 J	UG/L
	08/04/04	0	0			II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.25	UG/L
	08/04/04	0	0			II	E314.0	PERCHLORATE	0.47 J	UG/L
	09/09/04	0	0			II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.29	UG/L
	09/09/04	0	0			II	E314.0	PERCHLORATE	0.61 J	UG/L
	02/04/05	0	0			II	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.26	UG/L
	02/04/05	0	0			II	E314.0	PERCHLORATE	1.02	UG/L
	05/24/05	0	0			II	8330N	{ND on all 19} analytes		
	05/24/05	0	0			II	E314.0	PERCHLORATE	1.2	UG/L

Notes:

J = Estimated concentration
SBD = Sample Begin Depth (feet bgs)
SED = Sample End Depth (feet bgs)
BWTE = Below Water Table Eleva CONC = Concentration
BWTS = Below Water Table Surfa * indicates unvalidated data

Table 4-8
Drivepoint Analytical Results
Northwest Corner Study Area

SAMPLE ID	LOCID	DATE SAMPLE	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS	PDA
DP-373-01	DP-373	05/24/05	85.5	90.5	2.5	7.5		8330N	{ND on all 19} Analytes			
DP-373-02	DP-373	05/24/05	95.5	100.5	12.5	17.5		8330N	{ND on all 19} Analytes			
DP-373-03	DP-373	05/24/05	105.5	110.5	22.5	27.5		8330N	{ND on all 19} Analytes			
DP-373-03FD	DP-373	05/24/05	105.5	110.5	22.5	27.5		8330N	{ND on all 19} Analytes			
DP-373-04	DP-373	05/24/05	115.5	120.5	32.5	37.5		8330N	{ND on all 19} Analytes			
DP-373-05	DP-373	05/24/05	125.5	130.5	42.5	47.5		8330N	{ND on all 19} Analytes			
DP-373-06	DP-373	05/24/05	135.5	140.5	52.5	57.5		8330N	{ND on all 19} Analytes			
DP-373-07	DP-373	05/26/05	145.5	150.5	62.5	67.5		8330N	{ND on all 19} Analytes			
DP-373-08	DP-373	05/26/05	155.5	160.5	72.5	77.5		8330N	RDX	1.1 J	µg/L	
DP-373-09	DP-373	05/26/05	165.5	170.5	82.5	87.5		8330N	RDX	0.88 J	µg/L	
DP-373-10	DP-373	05/26/05	175.5	180.5	92.5	97.5		8330N	RDX	1.1 J	µg/L	
DP-373-13	DP-373	05/27/05	185.5	190.5	100.5	105.5		8330N	{ND on all 19} Analytes			
DP-374-01	DP-374	08/17/05	81	86	1.4	6.4		8330N	NITROGLYCERIN	23 *	µg/L	NO
DP-374-01	DP-374	08/17/05	81	86	1.4	6.4		8330N	RDX	0.36 *	µg/L	NO
DP-374-01	DP-374	08/17/05	81	86	1.4	6.4		8330N	NITROGLYCERIN	73 *	µg/L	NO
DP-374-02	DP-374	08/17/05	91	96	11.4	16.4		8330N	{ND on all 19} Analytes			
DP-374-03	DP-374	08/17/05	101	106	21.4	26.4		8330N	{ND on all 19} Analytes			
DP-374-04	DP-374	08/18/05	111	116	31.4	36.4		8330N	{ND on all 19} Analytes			
DP-374-05	DP-374	08/18/05	121	126	41.4	46.4		8330N	{ND on all 19} Analytes			
DP-374-06	DP-374	08/18/05	131	136	51.4	56.4		8330N	{ND on all 19} Analytes			
DP-374-07	DP-374	08/18/05	141	146	61.4	66.4		8330N	{ND on all 19} Analytes			
DP-374-08	DP-374	08/18/05	151	156	71.4	76.4		8330N	RDX	1.2 *	µg/L	YES
DP-375-01	DP-375	08/12/05	82.6	87.6	0	5		8330N	{ND on all 19} Analytes			
DP-375-02	DP-375	08/12/05	92.6	97.6	10	15		8330N	{ND on all 19} Analytes			
DP-375-03	DP-375	08/12/05	102.6	107.6	20	25		8330N	{ND on all 19} Analytes			
DP-375-04	DP-375	08/12/05	112.6	117.6	30	35		8330N	{ND on all 19} Analytes			
DP-375-05	DP-375	08/12/05	122.6	127.6	40	45		8330N	RDX	1.1 *	µg/L	YES
DP-375-06	DP-375	08/12/05	132.6	137.6	50	55		8330N	RDX	0.93 *	µg/L	YES
DP-375-07	DP-375	08/12/05	142.6	147.6	60	65		8330N	{ND on all 19} Analytes			
DP-375-08	DP-375	08/12/05	152.6	157.6	70	75		8330N	{ND on all 19} Analytes			
DP-375-10	DP-375	08/15/05	162.6	167.6	80	85		8330N	{ND on all 19} Analytes			
DP-375-11	DP-375	08/15/05	172.6	177.6	90	95		8330N	{ND on all 19} Analytes			
DP-375-11FD	DP-375	08/15/05	172.6	177.6	90	95		8330N	{ND on all 19} Analytes			
DP-375-12	DP-375	08/15/05	182.6	187.6	100	105		8330N	{ND on all 19} Analytes			
DP-375-13	DP-375	08/15/05	192.6	197.6	110	115		8330N	RDX	1.1 *	µg/L	YES
DP-375-14	DP-375	08/15/05	202.6	207.6	120	125		8330N	RDX	1.3 *	µg/L	YES
DP-376-01	DP-376	08/24/05	75	80	-1.7	3.3		8330N	{ND on all 19} Analytes			
DP-376-02	DP-376	08/24/05	85	90	8.3	13.3		8330N	{ND on all 19} Analytes			
DP-376-04	DP-376	08/25/05	95	100	18.3	23.3		8330N	{ND on all 19} Analytes			
DP-376-05	DP-376	08/25/05	105	110	28.3	33.3		8330N	{ND on all 19} Analytes			
DP-376-06	DP-376	08/25/05	115	120	38.3	43.3		8330N	{ND on all 19} Analytes			
DP-376-07	DP-376	08/25/05	125	130	48.3	53.3		8330N	{ND on all 19} Analytes			
DP-394-01	DP-394	08/31/05	95	100	13	18		8330N	{ND on all 19} Analytes			
DP-394-02	DP-394	08/31/05	105	110	23	28		8330N	{ND on all 19} Analytes			
DP-394-03	DP-394	08/31/05	115	120	33	38		8330N	{ND on all 19} Analytes			
DP-405-01	DP-405	11/03/05	78	83	-2.5	2.5		8330N	{ND on all 19} Analytes			
DP-405-02	DP-405	11/03/05	88	93	7.5	12.5		8330N	{ND on all 19} Analytes			
DP-405-03	DP-405	11/03/05	98	103	17.5	22.5		8330N	{ND on all 19} Analytes			
DP-405-04	DP-405	11/04/05	108	113	27.5	32.5		8330N	{ND on all 19} Analytes			

Notes:

SBD = Sample Beginning Depth (in ft below ground surface or ft bgs)
SED = Sample End Depth (in ft bgs)
BWTS = Depth of sample start (in feet below water table or ft bwt)
BWTE = Depth of sample end in ft bwt
VAL = Data Validation Level
CONC = Concentration
J = Concentration estimated; concentration below calibration range
* = Unvalidated data

Table 4-9
Metals, VOCs, SVOCs, Pesticides and Herbicides
Analytical Results - Groundwater
Detected Compounds
Northwest Corner Study Area

SAMPLE ID	LOCID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS
Metals											
95-15A	95-15A	11/10/99	186.5	196.5	74.71	84.71	II	IM40MB	ALUMINUM	569	UG/L
95-15A	95-15A	09/20/00	186.5	196.5	74.71	84.71	II	IM40MB	ALUMINUM	39.1	UG/L
95-15AD	95-15A	09/20/00	186.5	196.5	74.71	84.71	II	IM40MB	ALUMINUM	25.6 J	UG/L
95-15A	95-15A	09/05/01	186.5	196.5	74.71	84.71	II	IM40MB	ALUMINUM	258	UG/L
95-15-A	95-15A	09/04/02	186.5	196.5	74.71	84.71	II	IM40MB	ALUMINUM	90.3	UG/L
95-15A-A	95-15A	11/17/03	186.5	196.5	74.71	84.71	II	IM40MB	ALUMINUM	226	UG/L
95-15A-A	95-15A	10/14/04	186.5	196.5	74.71	84.71	II	IM40MBM	ALUMINUM	226	UG/L
95-15C	95-15C	10/08/01	147	157	78.16	88.16	II	IM40MB	ALUMINUM	81.4 J	UG/L
95-15C-A	95-15C	09/04/02	147	157	78.16	88.16	II	IM40MB	ALUMINUM	282	UG/L
95-6A	95-6A	11/09/99	167.5	177.5	142.5	152.5	II	IM40MB	ALUMINUM	550	UG/L
95-6A	95-6A	09/10/01	167.5	177.5	142.5	152.5	II	IM40MB	ALUMINUM	651	UG/L
95-6B-A	95-6B	11/18/03	119	129	94	104	II	IM40MB	ALUMINUM	217	UG/L
95-6ES-A	95-6ES	11/18/03	34.7	44.7	0	10	II	IM40MB	ALUMINUM	542	UG/L
W66M2A	MW-66	10/20/99	140.8	150.8	22	32	II	IM40MB	ALUMINUM	253 J	UG/L
W65SSA	MW-65	02/10/00	116	126	1	11	II	IM40MB	ANTIMONY	2.7 J	UG/L
W66M1A	MW-66	04/27/00	227.7	237.7	109	119	II	IM40MB	ARSENIC	2.7 J	UG/L
W66SSA	MW-66	05/01/00	125.7	135.7	7	17	II	IM40MB	ARSENIC	4.2 J	UG/L
95-6A	95-6A	09/10/01	167.5	177.5	142.5	152.5	II	IM40MB	BARIUM	5.5 J	UG/L
95-6B	95-6B	09/10/01	119	129	94	104	II	IM40MB	BARIUM	8.7	UG/L
95-6ES	95-6ES	11/16/99	34.7	44.7	0	10	II	IM40MB	BARIUM	7.8 J	UG/L
95-6ES-A	95-6ES	11/18/03	34.7	44.7	0	10	II	IM40MB	BARIUM	14.8 J	UG/L
95-6ES-A	95-6ES	09/15/04	34.7	44.7	0	10	II	IM40MBM	BARIUM	9.6 J	UG/L
W65SSA	MW-65	08/14/01	116	126	1	11	II	IM40MB	BARIUM	5.8	UG/L
W65SSA	MW-65	08/20/04	116	126	1	11	II	IM40MBM	BARIUM	5.2 J	UG/L
W66SSA	MW-66	10/20/99	125.7	135.7	7	17	II	IM40MB	BARIUM	8.6 J	UG/L
W66M2A	MW-66	10/20/99	140.8	150.8	22	32	II	IM40MB	BARIUM	6.2 J	UG/L
W66SSA	MW-66	08/31/00	125.7	135.7	7	17	II	IM40MB	BARIUM	7.3 J	UG/L
W66SSA	MW-66	08/13/01	125.7	135.7	7	17	II	IM40MB	BARIUM	7.4	UG/L
W66SSA	MW-66	08/31/04	125.7	135.7	7	17	II	IM40MBM	BARIUM	7.5 J	UG/L
95-15A	95-15A	11/10/99	186.5	196.5	74.71	84.71	II	IM40MB	BORON	6.7	UG/L
95-15A	95-15A	09/20/00	186.5	196.5	74.71	84.71	II	IM40MB	BORON	6.9 J	UG/L
95-15AD	95-15A	09/20/00	186.5	196.5	74.71	84.71	II	IM40MB	BORON	6.5 J	UG/L
95-15A	95-15A	09/05/01	186.5	196.5	74.71	84.71	II	IM40MB	BORON	6.3	UG/L
95-15A-A	95-15A	11/17/03	186.5	196.5	74.71	84.71	II	IM40MB	BORON	8.6 J	UG/L
95-15C	95-15C	10/08/01	147	157	78.16	88.16	II	IM40MB	BORON	8.3	UG/L
95-6A	95-6A	11/09/99	167.5	177.5	142.5	152.5	II	IM40MB	BORON	5.5	UG/L
95-6A	95-6A	09/10/01	167.5	177.5	142.5	152.5	II	IM40MB	BORON	6.2	UG/L
95-6A-A	95-6A	09/06/02	167.5	177.5	142.5	152.5	II	IM40MB	BORON	5.8 J	UG/L
95-6A-A	95-6A	11/18/03	167.5	177.5	142.5	152.5	II	IM40MB	BORON	6.6 J	UG/L
95-6B	95-6B	09/13/00	119	129	94	104	II	IM40MB	BORON	8.3 J	UG/L
95-6B	95-6B	09/10/01	119	129	94	104	II	IM40MB	BORON	10.1	UG/L
95-6B-A	95-6B	11/18/03	119	129	94	104	II	IM40MB	BORON	7 J	UG/L
95-6ES	95-6ES	11/16/99	34.7	44.7	0	10	II	IM40MB	BORON	9.5	UG/L
95-6ES	95-6ES	09/11/01	34.7	44.7	0	10	II	IM40MB	BORON	7.4	UG/L
95-6ES-A	95-6ES	11/18/03	34.7	44.7	0	10	II	IM40MB	BORON	10.4	UG/L
W65SSA	MW-65	02/10/00	116	126	1	11	II	IM40MB	BORON	7	UG/L
W65M1A	MW-65	02/10/00	210	220	95	105	II	IM40MB	BORON	6.7 J	UG/L
W65M2A	MW-65	02/11/00	129	134	14	19	II	IM40MB	BORON	6.7 J	UG/L
W65M2A	MW-65	04/25/00	129	134	14	19	II	IM40MB	BORON	6.4	UG/L
W65M1A	MW-65	04/25/00	210	220	95	105	II	IM40MB	BORON	7	UG/L
W65SSA	MW-65	04/27/00	116	126	1	11	II	IM40MB	BORON	8	UG/L
W65SSA	MW-65	08/14/01	116	126	1	11	II	IM40MB	BORON	6.4	UG/L
W66SSA	MW-66	10/20/99	125.7	135.7	7	17	II	IM40MB	BORON	8.7	UG/L
W66M2A	MW-66	10/20/99	140.8	150.8	22	32	II	IM40MB	BORON	8.2	UG/L

Table 4-9
Metals, VOCs, SVOCs, Pesticides and Herbicides
Analytical Results - Groundwater
Detected Compounds
Northwest Corner Study Area

SAMPLE ID	LOCID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS
W66M1A	MW-66	10/20/99	227.7	237.7	109	119	II	IM40MB	BORON	7.6	UG/L
W66M1A	MW-66	02/09/00	227.7	237.7	109	119	II	IM40MB	BORON	7.4	UG/L
W66SSA	MW-66	02/10/00	125.7	135.7	7	17	II	IM40MB	BORON	7.2	UG/L
W66M2A	MW-66	02/10/00	140.8	150.8	22	32	II	IM40MB	BORON	7.2	UG/L
W66M2A	MW-66	04/27/00	140.8	150.8	22	32	II	IM40MB	BORON	8.8	UG/L
W66M1A	MW-66	04/27/00	227.7	237.7	109	119	II	IM40MB	BORON	8.8	UG/L
W66SSA	MW-66	05/01/00	125.7	135.7	7	17	II	IM40MB	BORON	9.2	UG/L
W66SSA	MW-66	08/13/01	125.7	135.7	7	17	II	IM40MB	BORON	7.4	UG/L
W66SSA	MW-66	08/09/02	125.7	135.7	7	17	II	IM40MB	BORON	7.2 J	UG/L
W66SSD	MW-66	08/09/02	125.7	135.7	7	17	II	IM40MB	BORON	7.8 J	UG/L
95-15A	95-15A	11/10/99	186.5	196.5	74.71	84.71	II	IM40MB	CALCIUM	2540	UG/L
95-15A	95-15A	09/20/00	186.5	196.5	74.71	84.71	II	IM40MB	CALCIUM	2480	UG/L
95-15AD	95-15A	09/20/00	186.5	196.5	74.71	84.71	II	IM40MB	CALCIUM	2510	UG/L
95-15A	95-15A	09/05/01	186.5	196.5	74.71	84.71	II	IM40MB	CALCIUM	2470	UG/L
95-15-A	95-15A	09/04/02	186.5	196.5	74.71	84.71	II	IM40MB	CALCIUM	2480	UG/L
95-15A-A	95-15A	11/17/03	186.5	196.5	74.71	84.71	II	IM40MB	CALCIUM	2820	UG/L
95-15A-A	95-15A	10/14/04	186.5	196.5	74.71	84.71	II	IM40MBM	CALCIUM	2590	UG/L
95-15C	95-15C	09/08/00	147	157	78.16	88.16	3	IM40MB	CALCIUM	1290	UG/L
95-15C	95-15C	10/08/01	147	157	78.16	88.16	II	IM40MB	CALCIUM	1340	UG/L
95-15C-A	95-15C	11/17/03	147	157	78.16	88.16	II	IM40MB	CALCIUM	1410	UG/L
95-15C-A	95-15C	09/15/04	147	157	78.16	88.16	II	IM40MBM	CALCIUM	1420	UG/L
95-6A	95-6A	11/09/99	167.5	177.5	142.5	152.5	II	IM40MB	CALCIUM	1870	UG/L
95-6A	95-6A	09/12/00	167.5	177.5	142.5	152.5	II	IM40MB	CALCIUM	1820	UG/L
95-6A	95-6A	09/10/01	167.5	177.5	142.5	152.5	II	IM40MB	CALCIUM	1880	UG/L
95-6A-A	95-6A	09/06/02	167.5	177.5	142.5	152.5	II	IM40MB	CALCIUM	1690	UG/L
95-6A-A	95-6A	11/18/03	167.5	177.5	142.5	152.5	II	IM40MB	CALCIUM	1930	UG/L
95-6A-A	95-6A	09/14/04	167.5	177.5	142.5	152.5	II	IM40MBM	CALCIUM	2020	UG/L
95-6B	95-6B	09/13/00	119	129	94	104	II	IM40MB	CALCIUM	1530	UG/L
95-6B	95-6B	09/10/01	119	129	94	104	II	IM40MB	CALCIUM	1240	UG/L
95-6B-A	95-6B	09/04/02	119	129	94	104	II	IM40MB	CALCIUM	1710	UG/L
95-6B-A	95-6B	11/18/03	119	129	94	104	II	IM40MB	CALCIUM	1750	UG/L
95-6B-A	95-6B	09/14/04	119	129	94	104	II	IM40MBM	CALCIUM	1740	UG/L
95-6ES	95-6ES	11/16/99	34.7	44.7	0	10	II	IM40MB	CALCIUM	1290	UG/L
95-6ES	95-6ES	09/14/00	34.7	44.7	0	10	II	IM40MB	CALCIUM	1140	UG/L
95-6ES	95-6ES	09/11/01	34.7	44.7	0	10	II	IM40MB	CALCIUM	1620	UG/L
95-6ES-A	95-6ES	11/18/03	34.7	44.7	0	10	II	IM40MB	CALCIUM	1310	UG/L
95-6ES-A	95-6ES	09/15/04	34.7	44.7	0	10	II	IM40MBM	CALCIUM	1270	UG/L
W65SSA	MW-65	02/10/00	116	126	1	11	II	IM40MB	CALCIUM	1490	UG/L
W65M1A	MW-65	02/10/00	210	220	95	105	II	IM40MB	CALCIUM	2110	UG/L
W65M2A	MW-65	02/11/00	129	134	14	19	II	IM40MB	CALCIUM	1700	UG/L
W65M2A	MW-65	04/25/00	129	134	14	19	II	IM40MB	CALCIUM	1750	UG/L
W65M1A	MW-65	04/25/00	210	220	95	105	II	IM40MB	CALCIUM	2240	UG/L
W65SSA	MW-65	04/27/00	116	126	1	11	II	IM40MB	CALCIUM	1580	UG/L
W65SSA	MW-65	08/31/00	116	126	1	11	II	IM40MB	CALCIUM	1400	UG/L
W65SSA	MW-65	08/14/01	116	126	1	11	II	IM40MB	CALCIUM	1780	UG/L
W65SSA	MW-65	09/25/03	116	126	1	11	II	IM40MB	CALCIUM	1630	UG/L
W65SSA	MW-65	08/20/04	116	126	1	11	II	IM40MBM	CALCIUM	1640	UG/L
W66SSA	MW-66	10/20/99	125.7	135.7	7	17	II	IM40MB	CALCIUM	1340	UG/L
W66M2A	MW-66	10/20/99	140.8	150.8	22	32	II	IM40MB	CALCIUM	1760	UG/L
W66M1A	MW-66	10/20/99	227.7	237.7	109	119	II	IM40MB	CALCIUM	2020	UG/L
W66M1A	MW-66	02/09/00	227.7	237.7	109	119	II	IM40MB	CALCIUM	2100	UG/L
W66SSA	MW-66	02/10/00	125.7	135.7	7	17	II	IM40MB	CALCIUM	1090	UG/L
W66M2A	MW-66	02/10/00	140.8	150.8	22	32	II	IM40MB	CALCIUM	1560	UG/L
W66M2A	MW-66	04/27/00	140.8	150.8	22	32	II	IM40MB	CALCIUM	1520	UG/L
W66M1A	MW-66	04/27/00	227.7	237.7	109	119	II	IM40MB	CALCIUM	2040	UG/L

Table 4-9
Metals, VOCs, SVOCs, Pesticides and Herbicides
Analytical Results - Groundwater
Detected Compounds
Northwest Corner Study Area

SAMPLE ID	LOCID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS
W66SSA	MW-66	05/01/00	125.7	135.7	7	17	II	IM40MB	CALCIUM	1190	UG/L
W66SSA	MW-66	08/31/00	125.7	135.7	7	17	II	IM40MB	CALCIUM	1300	UG/L
W66SSA	MW-66	08/13/01	125.7	135.7	7	17	II	IM40MB	CALCIUM	1500	UG/L
W66SSA	MW-66	08/09/02	125.7	135.7	7	17	II	IM40MB	CALCIUM	1650	UG/L
W66SSD	MW-66	08/09/02	125.7	135.7	7	17	II	IM40MB	CALCIUM	1710	UG/L
W66SSA	MW-66	08/31/04	125.7	135.7	7	17	II	IM40MBM	CALCIUM	1780	UG/L
95-15A	95-15A	11/10/99	186.5	196.5	74.71	84.71	II	IM40MB	CHROMIUM, TOTAL	15 J	UG/L
95-15A	95-15A	09/20/00	186.5	196.5	74.71	84.71	II	IM40MB	CHROMIUM, TOTAL	2 J	UG/L
95-15A	95-15A	09/05/01	186.5	196.5	74.71	84.71	II	IM40MB	CHROMIUM, TOTAL	9.9	UG/L
95-15A-A	95-15A	11/17/03	186.5	196.5	74.71	84.71	II	IM40MB	CHROMIUM, TOTAL	10.8	UG/L
95-15A-A	95-15A	10/14/04	186.5	196.5	74.71	84.71	II	IM40MBM	CHROMIUM, TOTAL	6.2	UG/L
95-15C	95-15C	09/08/00	147	157	78.16	88.16	3	IM40MB	CHROMIUM, TOTAL	1.7 J	UG/L
95-15C-A	95-15C	11/17/03	147	157	78.16	88.16	II	IM40MB	CHROMIUM, TOTAL	9	UG/L
95-15C-A	95-15C	09/15/04	147	157	78.16	88.16	II	IM40MBM	CHROMIUM, TOTAL	1.6 J	UG/L
95-6A	95-6A	11/09/99	167.5	177.5	142.5	152.5	II	IM40MB	CHROMIUM, TOTAL	4.5 J	UG/L
95-6A	95-6A	09/10/01	167.5	177.5	142.5	152.5	II	IM40MB	CHROMIUM, TOTAL	3.6	UG/L
95-6A-A	95-6A	09/14/04	167.5	177.5	142.5	152.5	II	IM40MBM	CHROMIUM, TOTAL	2.6	UG/L
95-6B-A	95-6B	11/18/03	119	129	94	104	II	IM40MB	CHROMIUM, TOTAL	1.4 J	UG/L
95-6ES	95-6ES	09/11/01	34.7	44.7	0	10	II	IM40MB	CHROMIUM, TOTAL	4	UG/L
95-6A	95-6A	09/10/01	167.5	177.5	142.5	152.5	II	IM40MB	COPPER	2.5 J	UG/L
95-6B	95-6B	09/10/01	119	129	94	104	II	IM40MB	COPPER	1.6 J	UG/L
95-6ES	95-6ES	11/16/99	34.7	44.7	0	10	II	IM40MB	COPPER	2.4 J	UG/L
95-6ES	95-6ES	09/11/01	34.7	44.7	0	10	II	IM40MB	COPPER	1.5 J	UG/L
95-6ES-A	95-6ES	11/18/03	34.7	44.7	0	10	II	IM40MB	COPPER	3.3 J	UG/L
95-15A	95-15A	11/10/99	186.5	196.5	74.71	84.71	II	IM40MB	IRON	1020	UG/L
95-15A	95-15A	09/20/00	186.5	196.5	74.71	84.71	II	IM40MB	IRON	71.4 J	UG/L
95-15AD	95-15A	09/20/00	186.5	196.5	74.71	84.71	II	IM40MB	IRON	53.2 J	UG/L
95-15A	95-15A	09/05/01	186.5	196.5	74.71	84.71	II	IM40MB	IRON	538	UG/L
95-15A-A	95-15A	11/17/03	186.5	196.5	74.71	84.71	II	IM40MB	IRON	412	UG/L
95-15A-A	95-15A	10/14/04	186.5	196.5	74.71	84.71	II	IM40MBM	IRON	389	UG/L
95-15C	95-15C	10/08/01	147	157	78.16	88.16	II	IM40MB	IRON	196 J	UG/L
95-15C-A	95-15C	09/04/02	147	157	78.16	88.16	II	IM40MB	IRON	362	UG/L
95-15C-A	95-15C	11/17/03	147	157	78.16	88.16	II	IM40MB	IRON	311 J	UG/L
95-15C-A	95-15C	09/15/04	147	157	78.16	88.16	II	IM40MBM	IRON	132	UG/L
95-6A	95-6A	11/09/99	167.5	177.5	142.5	152.5	II	IM40MB	IRON	737	UG/L
95-6A	95-6A	09/12/00	167.5	177.5	142.5	152.5	II	IM40MB	IRON	392	UG/L
95-6A	95-6A	09/10/01	167.5	177.5	142.5	152.5	II	IM40MB	IRON	983 J	UG/L
95-6A-A	95-6A	09/06/02	167.5	177.5	142.5	152.5	II	IM40MB	IRON	173	UG/L
95-6A-A	95-6A	11/18/03	167.5	177.5	142.5	152.5	II	IM40MB	IRON	278	UG/L
95-6A-A	95-6A	09/14/04	167.5	177.5	142.5	152.5	II	IM40MBM	IRON	308	UG/L
95-6B	95-6B	09/13/00	119	129	94	104	II	IM40MB	IRON	41.9 J	UG/L
95-6B	95-6B	09/10/01	119	129	94	104	II	IM40MB	IRON	47.9 J	UG/L
95-6B-A	95-6B	11/18/03	119	129	94	104	II	IM40MB	IRON	509	UG/L
95-6B-A	95-6B	09/14/04	119	129	94	104	II	IM40MBM	IRON	55 J	UG/L
95-6ES	95-6ES	09/11/01	34.7	44.7	0	10	II	IM40MB	IRON	372 J	UG/L
95-6ES-A	95-6ES	11/18/03	34.7	44.7	0	10	II	IM40MB	IRON	769	UG/L
W66M2A	MW-66	10/20/99	140.8	150.8	22	32	II	IM40MB	IRON	92.1 J	UG/L
W65SSA	MW-65	04/27/00	116	126	1	11	II	IM40MB	LEAD	4.3 J	UG/L
W66SSD	MW-66	08/09/02	125.7	135.7	7	17	II	IM40MB	LEAD	2.7 J	UG/L
95-15A	95-15A	11/10/99	186.5	196.5	74.71	84.71	II	IM40MB	MAGNESIUM	1440	UG/L
95-15A	95-15A	09/20/00	186.5	196.5	74.71	84.71	II	IM40MB	MAGNESIUM	1320	UG/L
95-15AD	95-15A	09/20/00	186.5	196.5	74.71	84.71	II	IM40MB	MAGNESIUM	1330	UG/L
95-15A	95-15A	09/05/01	186.5	196.5	74.71	84.71	II	IM40MB	MAGNESIUM	1370	UG/L
95-15A-A	95-15A	11/17/03	186.5	196.5	74.71	84.71	II	IM40MB	MAGNESIUM	1500	UG/L
95-15A-A	95-15A	10/14/04	186.5	196.5	74.71	84.71	II	IM40MBM	MAGNESIUM	1380	UG/L

Table 4-9
Metals, VOCs, SVOCs, Pesticides and Herbicides
Analytical Results - Groundwater
Detected Compounds
Northwest Corner Study Area

SAMPLE ID	LOCID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS
95-15C	95-15C	09/08/00	147	157	78.16	88.16	3	IM40MB	MAGNESIUM	905	UG/L
95-15C	95-15C	10/08/01	147	157	78.16	88.16	II	IM40MB	MAGNESIUM	954	UG/L
95-15C-A	95-15C	11/17/03	147	157	78.16	88.16	II	IM40MB	MAGNESIUM	1020	UG/L
95-15C-A	95-15C	09/15/04	147	157	78.16	88.16	II	IM40MBM	MAGNESIUM	980	UG/L
95-6A	95-6A	11/09/99	167.5	177.5	142.5	152.5	II	IM40MB	MAGNESIUM	1030	UG/L
95-6A	95-6A	09/12/00	167.5	177.5	142.5	152.5	II	IM40MB	MAGNESIUM	949	UG/L
95-6A	95-6A	09/10/01	167.5	177.5	142.5	152.5	II	IM40MB	MAGNESIUM	1020	UG/L
95-6A-A	95-6A	09/06/02	167.5	177.5	142.5	152.5	II	IM40MB	MAGNESIUM	803	UG/L
95-6A-A	95-6A	11/18/03	167.5	177.5	142.5	152.5	II	IM40MB	MAGNESIUM	889	UG/L
95-6A-A	95-6A	09/14/04	167.5	177.5	142.5	152.5	II	IM40MBM	MAGNESIUM	975	UG/L
95-6B	95-6B	09/13/00	119	129	94	104	II	IM40MB	MAGNESIUM	1090	UG/L
95-6B	95-6B	09/10/01	119	129	94	104	II	IM40MB	MAGNESIUM	1460	UG/L
95-6B-A	95-6B	11/18/03	119	129	94	104	II	IM40MB	MAGNESIUM	1170	UG/L
95-6B-A	95-6B	09/14/04	119	129	94	104	II	IM40MBM	MAGNESIUM	1150	UG/L
95-6ES	95-6ES	11/16/99	34.7	44.7	0	10	II	IM40MB	MAGNESIUM	1470	UG/L
95-6ES	95-6ES	09/14/00	34.7	44.7	0	10	II	IM40MB	MAGNESIUM	1330	UG/L
95-6ES	95-6ES	09/11/01	34.7	44.7	0	10	II	IM40MB	MAGNESIUM	1160	UG/L
95-6ES-A	95-6ES	11/18/03	34.7	44.7	0	10	II	IM40MB	MAGNESIUM	1730	UG/L
95-6ES-A	95-6ES	09/15/04	34.7	44.7	0	10	II	IM40MBM	MAGNESIUM	1460	UG/L
W65SSA	MW-65	02/10/00	116	126	1	11	II	IM40MB	MAGNESIUM	1380	UG/L
W65M1A	MW-65	02/10/00	210	220	95	105	II	IM40MB	MAGNESIUM	1230	UG/L
W65M2A	MW-65	02/11/00	129	134	14	19	II	IM40MB	MAGNESIUM	1360	UG/L
W65M2A	MW-65	04/25/00	129	134	14	19	II	IM40MB	MAGNESIUM	1290	UG/L
W65M1A	MW-65	04/25/00	210	220	95	105	II	IM40MB	MAGNESIUM	1230	UG/L
W65SSA	MW-65	04/27/00	116	126	1	11	II	IM40MB	MAGNESIUM	1320	UG/L
W65SSA	MW-65	08/31/00	116	126	1	11	II	IM40MB	MAGNESIUM	1150	UG/L
W65SSA	MW-65	08/14/01	116	126	1	11	II	IM40MB	MAGNESIUM	1400	UG/L
W65SSA	MW-65	09/25/03	116	126	1	11	II	IM40MB	MAGNESIUM	1230	UG/L
W65SSA	MW-65	08/20/04	116	126	1	11	II	IM40MBM	MAGNESIUM	1180	UG/L
W66SSA	MW-66	10/20/99	125.7	135.7	7	17	II	IM40MB	MAGNESIUM	1220	UG/L
W66M2A	MW-66	10/20/99	140.8	150.8	22	32	II	IM40MB	MAGNESIUM	1080	UG/L
W66M1A	MW-66	10/20/99	227.7	237.7	109	119	II	IM40MB	MAGNESIUM	1090	UG/L
W66M1A	MW-66	02/09/00	227.7	237.7	109	119	II	IM40MB	MAGNESIUM	1210	UG/L
W66SSA	MW-66	02/10/00	125.7	135.7	7	17	II	IM40MB	MAGNESIUM	1130	UG/L
W66M2A	MW-66	02/10/00	140.8	150.8	22	32	II	IM40MB	MAGNESIUM	1080	UG/L
W66M2A	MW-66	04/27/00	140.8	150.8	22	32	II	IM40MB	MAGNESIUM	1040	UG/L
W66M1A	MW-66	04/27/00	227.7	237.7	109	119	II	IM40MB	MAGNESIUM	1170	UG/L
W66SSA	MW-66	05/01/00	125.7	135.7	7	17	II	IM40MB	MAGNESIUM	1150	UG/L
W66SSA	MW-66	08/31/00	125.7	135.7	7	17	II	IM40MB	MAGNESIUM	1170	UG/L
W66SSA	MW-66	08/13/01	125.7	135.7	7	17	II	IM40MB	MAGNESIUM	1360	UG/L
W66SSA	MW-66	08/09/02	125.7	135.7	7	17	II	IM40MB	MAGNESIUM	1380	UG/L
W66SSD	MW-66	08/09/02	125.7	135.7	7	17	II	IM40MB	MAGNESIUM	1430	UG/L
W66SSA	MW-66	08/31/04	125.7	135.7	7	17	II	IM40MBM	MAGNESIUM	1480	UG/L
95-15A	95-15A	11/10/99	186.5	196.5	74.71	84.71	II	IM40MB	MANGANESE	72.3	UG/L
95-15A	95-15A	09/20/00	186.5	196.5	74.71	84.71	II	IM40MB	MANGANESE	6.2	UG/L
95-15AD	95-15A	09/20/00	186.5	196.5	74.71	84.71	II	IM40MB	MANGANESE	6.2	UG/L
95-15A	95-15A	09/05/01	186.5	196.5	74.71	84.71	II	IM40MB	MANGANESE	24.1	UG/L
95-15-A	95-15A	09/04/02	186.5	196.5	74.71	84.71	II	IM40MB	MANGANESE	7.5	UG/L
95-15A-A	95-15A	11/17/03	186.5	196.5	74.71	84.71	II	IM40MB	MANGANESE	11.9	UG/L
95-15A-A	95-15A	10/14/04	186.5	196.5	74.71	84.71	II	IM40MBM	MANGANESE	12.8	UG/L
95-15C	95-15C	09/08/00	147	157	78.16	88.16	3	IM40MB	MANGANESE	1.8	UG/L
95-15C	95-15C	10/08/01	147	157	78.16	88.16	II	IM40MB	MANGANESE	3.1	UG/L
95-15C-A	95-15C	09/04/02	147	157	78.16	88.16	II	IM40MB	MANGANESE	6.3	UG/L
95-15C-A	95-15C	11/17/03	147	157	78.16	88.16	II	IM40MB	MANGANESE	6.1	UG/L
95-15C-A	95-15C	09/15/04	147	157	78.16	88.16	II	IM40MBM	MANGANESE	3.5	UG/L

Table 4-9
Metals, VOCs, SVOCs, Pesticides and Herbicides
Analytical Results - Groundwater
Detected Compounds
Northwest Corner Study Area

SAMPLE ID	LOCID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS
95-6A	95-6A	11/09/99	167.5	177.5	142.5	152.5	II	IM40MB	MANGANESE	22.6	UG/L
95-6A	95-6A	09/12/00	167.5	177.5	142.5	152.5	II	IM40MB	MANGANESE	11.8	UG/L
95-6A	95-6A	09/10/01	167.5	177.5	142.5	152.5	II	IM40MB	MANGANESE	12.5	UG/L
95-6A-A	95-6A	09/06/02	167.5	177.5	142.5	152.5	II	IM40MB	MANGANESE	2.7	UG/L
95-6A-A	95-6A	11/18/03	167.5	177.5	142.5	152.5	II	IM40MB	MANGANESE	2.8	UG/L
95-6A-A	95-6A	09/14/04	167.5	177.5	142.5	152.5	II	IM40MBM	MANGANESE	4	UG/L
95-6B	95-6B	09/10/01	119	129	94	104	II	IM40MB	MANGANESE	8.6	UG/L
95-6B-A	95-6B	09/04/02	119	129	94	104	II	IM40MB	MANGANESE	1.4	UG/L
95-6B-A	95-6B	11/18/03	119	129	94	104	II	IM40MB	MANGANESE	17.8	UG/L
95-6B-A	95-6B	09/14/04	119	129	94	104	II	IM40MBM	MANGANESE	3.4	UG/L
95-6ES	95-6ES	11/16/99	34.7	44.7	0	10	II	IM40MB	MANGANESE	4.3	UG/L
95-6ES	95-6ES	09/14/00	34.7	44.7	0	10	II	IM40MB	MANGANESE	4.9	UG/L
95-6ES	95-6ES	09/11/01	34.7	44.7	0	10	II	IM40MB	MANGANESE	14.6	UG/L
95-6ES-A	95-6ES	11/18/03	34.7	44.7	0	10	II	IM40MB	MANGANESE	29.2	UG/L
95-6ES-A	95-6ES	09/15/04	34.7	44.7	0	10	II	IM40MBM	MANGANESE	8.7	UG/L
W65SSA	MW-65	02/10/00	116	126	1	11	II	IM40MB	MANGANESE	4.9	UG/L
W65M1A	MW-65	02/10/00	210	220	95	105	II	IM40MB	MANGANESE	36.3	UG/L
W65M2A	MW-65	04/25/00	129	134	14	19	II	IM40MB	MANGANESE	1.6 J	UG/L
W65M1A	MW-65	04/25/00	210	220	95	105	II	IM40MB	MANGANESE	18.5	UG/L
W65SSA	MW-65	04/27/00	116	126	1	11	II	IM40MB	MANGANESE	4.2	UG/L
W65SSA	MW-65	08/31/00	116	126	1	11	II	IM40MB	MANGANESE	4	UG/L
W65SSA	MW-65	08/14/01	116	126	1	11	II	IM40MB	MANGANESE	4.4	UG/L
W65SSA	MW-65	09/25/03	116	126	1	11	II	IM40MB	MANGANESE	1.4 J	UG/L
W66SSA	MW-66	10/20/99	125.7	135.7	7	17	II	IM40MB	MANGANESE	13.2	UG/L
W66M2A	MW-66	10/20/99	140.8	150.8	22	32	II	IM40MB	MANGANESE	21.3	UG/L
W66M1A	MW-66	10/20/99	227.7	237.7	109	119	II	IM40MB	MANGANESE	3	UG/L
W66M1A	MW-66	02/09/00	227.7	237.7	109	119	II	IM40MB	MANGANESE	1.2	UG/L
W66M2A	MW-66	04/27/00	140.8	150.8	22	32	II	IM40MB	MANGANESE	2.2	UG/L
W66M1A	MW-66	04/27/00	227.7	237.7	109	119	II	IM40MB	MANGANESE	1.2 J	UG/L
W66SSA	MW-66	05/01/00	125.7	135.7	7	17	II	IM40MB	MANGANESE	2.2	UG/L
W66SSA	MW-66	08/31/00	125.7	135.7	7	17	II	IM40MB	MANGANESE	1.7	UG/L
W66SSA	MW-66	08/13/01	125.7	135.7	7	17	II	IM40MB	MANGANESE	3.9	UG/L
W66SSA	MW-66	08/09/02	125.7	135.7	7	17	II	IM40MB	MANGANESE	1.3	UG/L
W66SSD	MW-66	08/09/02	125.7	135.7	7	17	II	IM40MB	MANGANESE	2.3	UG/L
W66SSA	MW-66	08/31/04	125.7	135.7	7	17	II	IM40MBM	MANGANESE	1.1	UG/L
95-15-A	95-15A	09/04/02	186.5	196.5	74.71	84.71	II	IM40MB	MOLYBDENUM	1.6	UG/L
95-15C-A	95-15C	09/04/02	147	157	78.16	88.16	II	IM40MB	MOLYBDENUM	1.3 J	UG/L
95-6A-A	95-6A	09/06/02	167.5	177.5	142.5	152.5	II	IM40MB	MOLYBDENUM	1.9	UG/L
95-6B-A	95-6B	09/04/02	119	129	94	104	II	IM40MB	MOLYBDENUM	0.92 J	UG/L
W65M1A	MW-65	02/10/00	210	220	95	105	II	IM40MB	MOLYBDENUM	0.94 J	UG/L
W65M2A	MW-65	04/25/00	129	134	14	19	II	IM40MB	MOLYBDENUM	2.3 J	UG/L
W66M1A	MW-66	02/09/00	227.7	237.7	109	119	II	IM40MB	MOLYBDENUM	0.92 J	UG/L
95-15A	95-15A	11/10/99	186.5	196.5	74.71	84.71	II	IM40MB	NICKEL	8.1 J	UG/L
95-15A	95-15A	09/05/01	186.5	196.5	74.71	84.71	II	IM40MB	NICKEL	3.1	UG/L
95-15A-A	95-15A	11/17/03	186.5	196.5	74.71	84.71	II	IM40MB	NICKEL	3.2 J	UG/L
95-15C	95-15C	09/08/00	147	157	78.16	88.16	3	IM40MB	NICKEL	2.6 J	UG/L
95-15C-A	95-15C	09/04/02	147	157	78.16	88.16	II	IM40MB	NICKEL	4	UG/L
95-6A	95-6A	11/09/99	167.5	177.5	142.5	152.5	II	IM40MB	NICKEL	7.2 J	UG/L
95-6A	95-6A	09/10/01	167.5	177.5	142.5	152.5	II	IM40MB	NICKEL	3.2 J	UG/L
95-6A-A	95-6A	09/14/04	167.5	177.5	142.5	152.5	II	IM40MBM	NICKEL	3.2	UG/L
95-6B-A	95-6B	09/04/02	119	129	94	104	II	IM40MB	NICKEL	1.9 J	UG/L
95-6ES	95-6ES	11/16/99	34.7	44.7	0	10	II	IM40MB	NICKEL	1.8 J	UG/L
95-6ES	95-6ES	09/11/01	34.7	44.7	0	10	II	IM40MB	NICKEL	2.6 J	UG/L
95-15A	95-15A	11/10/99	186.5	196.5	74.71	84.71	II	IM40MB	POTASSIUM	610	UG/L
95-15A	95-15A	09/20/00	186.5	196.5	74.71	84.71	II	IM40MB	POTASSIUM	682 J	UG/L

Table 4-9
Metals, VOCs, SVOCs, Pesticides and Herbicides
Analytical Results - Groundwater
Detected Compounds
Northwest Corner Study Area

SAMPLE ID	LOCID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS
95-15AD	95-15A	09/20/00	186.5	196.5	74.71	84.71	II	IM40MB	POTASSIUM	701 J	UG/L
95-15A	95-15A	09/05/01	186.5	196.5	74.71	84.71	II	IM40MB	POTASSIUM	837	UG/L
95-15-A	95-15A	09/04/02	186.5	196.5	74.71	84.71	II	IM40MB	POTASSIUM	1060 J	UG/L
95-15A-A	95-15A	11/17/03	186.5	196.5	74.71	84.71	II	IM40MB	POTASSIUM	742 J	UG/L
95-15A-A	95-15A	10/14/04	186.5	196.5	74.71	84.71	II	IM40MBM	POTASSIUM	775 J	UG/L
95-15C	95-15C	10/08/01	147	157	78.16	88.16	II	IM40MB	POTASSIUM	683	UG/L
95-15C-A	95-15C	09/04/02	147	157	78.16	88.16	II	IM40MB	POTASSIUM	712 J	UG/L
95-15C-A	95-15C	11/17/03	147	157	78.16	88.16	II	IM40MB	POTASSIUM	766	UG/L
95-6A	95-6A	11/09/99	167.5	177.5	142.5	152.5	II	IM40MB	POTASSIUM	487 J	UG/L
95-6A	95-6A	09/12/00	167.5	177.5	142.5	152.5	II	IM40MB	POTASSIUM	700 J	UG/L
95-6A	95-6A	09/10/01	167.5	177.5	142.5	152.5	II	IM40MB	POTASSIUM	666	UG/L
95-6A-A	95-6A	09/06/02	167.5	177.5	142.5	152.5	II	IM40MB	POTASSIUM	650	UG/L
95-6A-A	95-6A	09/14/04	167.5	177.5	142.5	152.5	II	IM40MBM	POTASSIUM	290 J	UG/L
95-6B	95-6B	09/10/01	119	129	94	104	II	IM40MB	POTASSIUM	654	UG/L
95-6B-A	95-6B	09/04/02	119	129	94	104	II	IM40MB	POTASSIUM	781 J	UG/L
95-6B-A	95-6B	09/14/04	119	129	94	104	II	IM40MBM	POTASSIUM	374 J	UG/L
95-6ES	95-6ES	11/16/99	34.7	44.7	0	10	II	IM40MB	POTASSIUM	902	UG/L
95-6ES	95-6ES	09/14/00	34.7	44.7	0	10	II	IM40MB	POTASSIUM	681 J	UG/L
95-6ES	95-6ES	09/11/01	34.7	44.7	0	10	II	IM40MB	POTASSIUM	564	UG/L
W65M1A	MW-65	02/10/00	210	220	95	105	II	IM40MB	POTASSIUM	825	UG/L
W65M2A	MW-65	02/11/00	129	134	14	19	II	IM40MB	POTASSIUM	666	UG/L
W65M2A	MW-65	04/25/00	129	134	14	19	II	IM40MB	POTASSIUM	439 J	UG/L
W65M1A	MW-65	04/25/00	210	220	95	105	II	IM40MB	POTASSIUM	520 J	UG/L
W65SSA	MW-65	04/27/00	116	126	1	11	II	IM40MB	POTASSIUM	592 J	UG/L
W65SSA	MW-65	08/14/01	116	126	1	11	II	IM40MB	POTASSIUM	586	UG/L
W65SSA	MW-65	08/20/04	116	126	1	11	II	IM40MBM	POTASSIUM	436 J	UG/L
W66SSA	MW-66	10/20/99	125.7	135.7	7	17	II	IM40MB	POTASSIUM	1030	UG/L
W66M2A	MW-66	10/20/99	140.8	150.8	22	32	II	IM40MB	POTASSIUM	725	UG/L
W66M1A	MW-66	10/20/99	227.7	237.7	109	119	II	IM40MB	POTASSIUM	636	UG/L
W66M1A	MW-66	02/09/00	227.7	237.7	109	119	II	IM40MB	POTASSIUM	697 J	UG/L
W66SSA	MW-66	02/10/00	125.7	135.7	7	17	II	IM40MB	POTASSIUM	1020	UG/L
W66M2A	MW-66	04/27/00	140.8	150.8	22	32	II	IM40MB	POTASSIUM	586 J	UG/L
W66M1A	MW-66	04/27/00	227.7	237.7	109	119	II	IM40MB	POTASSIUM	534 J	UG/L
W66SSA	MW-66	05/01/00	125.7	135.7	7	17	II	IM40MB	POTASSIUM	843	UG/L
W66SSA	MW-66	08/31/00	125.7	135.7	7	17	II	IM40MB	POTASSIUM	965 J	UG/L
W66SSA	MW-66	08/09/02	125.7	135.7	7	17	II	IM40MB	POTASSIUM	976	UG/L
W66SSD	MW-66	08/09/02	125.7	135.7	7	17	II	IM40MB	POTASSIUM	1020	UG/L
W66SSA	MW-66	08/31/04	125.7	135.7	7	17	II	IM40MBM	POTASSIUM	461 J	UG/L
95-6A	95-6A	09/10/01	167.5	177.5	142.5	152.5	II	IM40MB	SELENIUM	1.8 J	UG/L
95-15C	95-15C	10/08/01	147	157	78.16	88.16	II	IM40MB	SILVER	0.65 J	UG/L
95-15A	95-15A	11/10/99	186.5	196.5	74.71	84.71	II	IM40MB	SODIUM	6720	UG/L
95-15A	95-15A	09/20/00	186.5	196.5	74.71	84.71	II	IM40MB	SODIUM	6830	UG/L
95-15AD	95-15A	09/20/00	186.5	196.5	74.71	84.71	II	IM40MB	SODIUM	7080	UG/L
95-15A	95-15A	09/05/01	186.5	196.5	74.71	84.71	II	IM40MB	SODIUM	6820	UG/L
95-15-A	95-15A	09/04/02	186.5	196.5	74.71	84.71	II	IM40MB	SODIUM	7310	UG/L
95-15A-A	95-15A	11/17/03	186.5	196.5	74.71	84.71	II	IM40MB	SODIUM	7420	UG/L
95-15A-A	95-15A	10/14/04	186.5	196.5	74.71	84.71	II	IM40MBM	SODIUM	6670	UG/L
95-15C	95-15C	09/08/00	147	157	78.16	88.16	3	IM40MB	SODIUM	5920	UG/L
95-15C	95-15C	10/08/01	147	157	78.16	88.16	II	IM40MB	SODIUM	6600	UG/L
95-15C-A	95-15C	09/04/02	147	157	78.16	88.16	II	IM40MB	SODIUM	6410	UG/L
95-15C-A	95-15C	11/17/03	147	157	78.16	88.16	II	IM40MB	SODIUM	6060	UG/L
95-15C-A	95-15C	09/15/04	147	157	78.16	88.16	II	IM40MBM	SODIUM	6010	UG/L
95-6A	95-6A	11/09/99	167.5	177.5	142.5	152.5	II	IM40MB	SODIUM	6130	UG/L
95-6A	95-6A	09/12/00	167.5	177.5	142.5	152.5	II	IM40MB	SODIUM	6420	UG/L
95-6A	95-6A	09/10/01	167.5	177.5	142.5	152.5	II	IM40MB	SODIUM	6280	UG/L

Table 4-9
Metals, VOCs, SVOCs, Pesticides and Herbicides
Analytical Results - Groundwater
Detected Compounds
Northwest Corner Study Area

SAMPLE ID	LOCID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS
95-6A-A	95-6A	09/06/02	167.5	177.5	142.5	152.5	II	IM40MB	SODIUM	6360	UG/L
95-6A-A	95-6A	11/18/03	167.5	177.5	142.5	152.5	II	IM40MB	SODIUM	5900	UG/L
95-6A-A	95-6A	09/14/04	167.5	177.5	142.5	152.5	II	IM40MBM	SODIUM	6640	UG/L
95-6B	95-6B	09/13/00	119	129	94	104	II	IM40MB	SODIUM	5570	UG/L
95-6B	95-6B	09/10/01	119	129	94	104	II	IM40MB	SODIUM	6490	UG/L
95-6B-A	95-6B	09/04/02	119	129	94	104	II	IM40MB	SODIUM	6540	UG/L
95-6B-A	95-6B	11/18/03	119	129	94	104	II	IM40MB	SODIUM	5770	UG/L
95-6B-A	95-6B	09/14/04	119	129	94	104	II	IM40MBM	SODIUM	6460	UG/L
95-6ES	95-6ES	11/16/99	34.7	44.7	0	10	II	IM40MB	SODIUM	6570	UG/L
95-6ES	95-6ES	09/14/00	34.7	44.7	0	10	II	IM40MB	SODIUM	6010	UG/L
95-6ES	95-6ES	09/11/01	34.7	44.7	0	10	II	IM40MB	SODIUM	5440	UG/L
95-6ES-A	95-6ES	11/18/03	34.7	44.7	0	10	II	IM40MB	SODIUM	6550 J	UG/L
95-6ES-A	95-6ES	09/15/04	34.7	44.7	0	10	II	IM40MBM	SODIUM	6530	UG/L
W65SSA	MW-65	02/10/00	116	126	1	11	II	IM40MB	SODIUM	5570	UG/L
W65M1A	MW-65	02/10/00	210	220	95	105	II	IM40MB	SODIUM	5950	UG/L
W65M2A	MW-65	02/11/00	129	134	14	19	II	IM40MB	SODIUM	5810	UG/L
W65M2A	MW-65	04/25/00	129	134	14	19	II	IM40MB	SODIUM	6720	UG/L
W65M1A	MW-65	04/25/00	210	220	95	105	II	IM40MB	SODIUM	6530	UG/L
W65SSA	MW-65	04/27/00	116	126	1	11	II	IM40MB	SODIUM	5930	UG/L
W65SSA	MW-65	08/31/00	116	126	1	11	II	IM40MB	SODIUM	4850	UG/L
W65SSA	MW-65	08/14/01	116	126	1	11	II	IM40MB	SODIUM	4230	UG/L
W65SSA	MW-65	09/25/03	116	126	1	11	II	IM40MB	SODIUM	3780 J	UG/L
W65SSA	MW-65	08/20/04	116	126	1	11	II	IM40MBM	SODIUM	4760	UG/L
W66SSA	MW-66	10/20/99	125.7	135.7	7	17	II	IM40MB	SODIUM	5220	UG/L
W66M2A	MW-66	10/20/99	140.8	150.8	22	32	II	IM40MB	SODIUM	5540	UG/L
W66M1A	MW-66	10/20/99	227.7	237.7	109	119	II	IM40MB	SODIUM	5790	UG/L
W66M1A	MW-66	02/09/00	227.7	237.7	109	119	II	IM40MB	SODIUM	6080	UG/L
W66SSA	MW-66	02/10/00	125.7	135.7	7	17	II	IM40MB	SODIUM	5800	UG/L
W66M2A	MW-66	02/10/00	140.8	150.8	22	32	II	IM40MB	SODIUM	5720	UG/L
W66M2A	MW-66	04/27/00	140.8	150.8	22	32	II	IM40MB	SODIUM	5680	UG/L
W66M1A	MW-66	04/27/00	227.7	237.7	109	119	II	IM40MB	SODIUM	6280	UG/L
W66SSA	MW-66	05/01/00	125.7	135.7	7	17	II	IM40MB	SODIUM	6180	UG/L
W66SSA	MW-66	08/31/00	125.7	135.7	7	17	II	IM40MB	SODIUM	5530	UG/L
W66SSA	MW-66	08/13/01	125.7	135.7	7	17	II	IM40MB	SODIUM	5440	UG/L
W66SSA	MW-66	08/09/02	125.7	135.7	7	17	II	IM40MB	SODIUM	5400	UG/L
W66SSD	MW-66	08/09/02	125.7	135.7	7	17	II	IM40MB	SODIUM	5800	UG/L
W66SSA	MW-66	08/31/04	125.7	135.7	7	17	II	IM40MBM	SODIUM	6100	UG/L
95-6A	95-6A	09/12/00	167.5	177.5	142.5	152.5	II	IM40MB	VANADIUM	3 J	UG/L
95-6A	95-6A	09/10/01	167.5	177.5	142.5	152.5	II	IM40MB	VANADIUM	2.1 J	UG/L
95-6A-A	95-6A	09/14/04	167.5	177.5	142.5	152.5	II	IM40MBM	VANADIUM	1.8 J	UG/L
95-6B	95-6B	09/10/01	119	129	94	104	II	IM40MB	VANADIUM	1.7 J	UG/L
95-15A	95-15A	11/10/99	186.5	196.5	74.71	84.71	II	IM40MB	ZINC	5.6	UG/L
95-15A	95-15A	09/05/01	186.5	196.5	74.71	84.71	II	IM40MB	ZINC	9.3 J	UG/L
95-15-A	95-15A	09/04/02	186.5	196.5	74.71	84.71	II	IM40MB	ZINC	26.5	UG/L
95-15C	95-15C	10/08/01	147	157	78.16	88.16	II	IM40MB	ZINC	1.1 J	UG/L
95-15C-A	95-15C	09/04/02	147	157	78.16	88.16	II	IM40MB	ZINC	12.7	UG/L
95-15C-A	95-15C	11/17/03	147	157	78.16	88.16	II	IM40MB	ZINC	4.9 J	UG/L
95-6A	95-6A	11/09/99	167.5	177.5	142.5	152.5	II	IM40MB	ZINC	4.4	UG/L
95-6A	95-6A	09/10/01	167.5	177.5	142.5	152.5	II	IM40MB	ZINC	3.5 J	UG/L
95-6A-A	95-6A	09/06/02	167.5	177.5	142.5	152.5	II	IM40MB	ZINC	5.4 J	UG/L
95-6A-A	95-6A	11/18/03	167.5	177.5	142.5	152.5	II	IM40MB	ZINC	6.1 J	UG/L
W65M2A	MW-65	04/25/00	129	134	14	19	II	IM40MB	ZINC	1.7 J	UG/L
W65M1A	MW-65	04/25/00	210	220	95	105	II	IM40MB	ZINC	3.6	UG/L
W65SSA	MW-65	08/31/00	116	126	1	11	II	IM40MB	ZINC	1.7	UG/L
W65SSA	MW-65	08/14/01	116	126	1	11	II	IM40MB	ZINC	4.2 J	UG/L

Table 4-9
Metals, VOCs, SVOCs, Pesticides and Herbicides
Analytical Results - Groundwater
Detected Compounds
Northwest Corner Study Area

SAMPLE ID	LOCID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS
W65SSA	MW-65	08/20/04	116	126	1	11	II	IM40MBM	ZINC	9.2	UG/L
W66SSA	MW-66	08/31/00	125.7	135.7	7	17	II	IM40MB	ZINC	1.5 J	UG/L
W66SSA	MW-66	08/09/02	125.7	135.7	7	17	II	IM40MB	ZINC	3.1 J	UG/L
W66SSD	MW-66	08/09/02	125.7	135.7	7	17	II	IM40MB	ZINC	1.9 J	UG/L
VOCs											
95-15A	95-15A	09/05/01	186.5	196.5	74.71	84.71	II	OC21V	ACETONE	2 J	UG/L
95-6ES	95-6ES	09/11/01	34.7	44.7	0	10	II	OC21V	BENZENE	0.2 J	UG/L
95-6ES	95-6ES	11/16/99	34.7	44.7	0	10	II	8151	CHLORAMBEN	0.15 NJ	UG/L
95-15A	95-15A	11/10/99	186.5	196.5	74.71	84.71	II	OC21V	CHLOROFORM	0.8 J	UG/L
95-15A	95-15A	09/20/00	186.5	196.5	74.71	84.71	II	OC21V	CHLOROFORM	0.4 J	UG/L
95-15AD	95-15A	09/20/00	186.5	196.5	74.71	84.71	II	OC21V	CHLOROFORM	0.5 J	UG/L
95-15A	95-15A	09/05/01	186.5	196.5	74.71	84.71	II	OC21V	CHLOROFORM	0.5 J	UG/L
95-15-A	95-15A	09/04/02	186.5	196.5	74.71	84.71	II	OC21V	CHLOROFORM	0.4 J	UG/L
95-15A-A	95-15A	11/17/03	186.5	196.5	74.71	84.71	II	OC21V	CHLOROFORM	0.6 J	UG/L
95-15A-A	95-15A	10/14/04	186.5	196.5	74.71	84.71	II	OC21VM	CHLOROFORM	0.5 J	UG/L
95-15C	95-15C	09/08/00	147	157	78.16	88.16	3	OC21V	CHLOROFORM	2	UG/L
95-15C	95-15C	10/08/01	147	157	78.16	88.16	II	OC21V	CHLOROFORM	2	UG/L
95-15C-A	95-15C	09/04/02	147	157	78.16	88.16	II	OC21V	CHLOROFORM	2	UG/L
95-15C-A	95-15C	11/17/03	147	157	78.16	88.16	II	OC21V	CHLOROFORM	3	UG/L
95-15C-A	95-15C	09/15/04	147	157	78.16	88.16	II	OC21VM	CHLOROFORM	2	UG/L
95-6A	95-6A	11/09/99	167.5	177.5	142.5	152.5	II	OC21V	CHLOROFORM	0.3 J	UG/L
95-6A	95-6A	09/12/00	167.5	177.5	142.5	152.5	II	OC21V	CHLOROFORM	0.3 J	UG/L
95-6A	95-6A	09/10/01	167.5	177.5	142.5	152.5	II	OC21V	CHLOROFORM	0.3 J	UG/L
95-6A-A	95-6A	11/18/03	167.5	177.5	142.5	152.5	II	OC21V	CHLOROFORM	0.3 J	UG/L
95-6A-A	95-6A	09/14/04	167.5	177.5	142.5	152.5	II	OC21VM	CHLOROFORM	0.2 J	UG/L
95-6B	95-6B	09/13/00	119	129	94	104	II	OC21V	CHLOROFORM	1	UG/L
95-6B	95-6B	09/10/01	119	129	94	104	II	OC21V	CHLOROFORM	2	UG/L
95-6B-A	95-6B	09/04/02	119	129	94	104	II	OC21V	CHLOROFORM	0.9 J	UG/L
95-6B-A	95-6B	11/18/03	119	129	94	104	II	OC21V	CHLOROFORM	1	UG/L
95-6B-A	95-6B	09/14/04	119	129	94	104	II	OC21VM	CHLOROFORM	1	UG/L
95-6ES	95-6ES	11/16/99	34.7	44.7	0	10	II	OC21V	CHLOROFORM	2	UG/L
95-6ES	95-6ES	09/14/00	34.7	44.7	0	10	II	OC21V	CHLOROFORM	2	UG/L
95-6ES	95-6ES	09/11/01	34.7	44.7	0	10	II	OC21V	CHLOROFORM	1	UG/L
95-6ES-A	95-6ES	11/18/03	34.7	44.7	0	10	II	OC21V	CHLOROFORM	3	UG/L
95-6ES-A	95-6ES	09/15/04	34.7	44.7	0	10	II	OC21VM	CHLOROFORM	2	UG/L
W65SSA	MW-65	02/10/00	116	126	1	11	II	OC21V	CHLOROFORM	1	UG/L
W65M1A	MW-65	02/10/00	210	220	95	105	II	OC21V	CHLOROFORM	1	UG/L
W65M2A	MW-65	02/11/00	129	134	14	19	II	OC21V	CHLOROFORM	2	UG/L
W65M2A	MW-65	04/25/00	129	134	14	19	II	OC21V	CHLOROFORM	1	UG/L
W65M1A	MW-65	04/25/00	210	220	95	105	II	OC21V	CHLOROFORM	1	UG/L
W65SSA	MW-65	04/27/00	116	126	1	11	II	OC21V	CHLOROFORM	1	UG/L
W65SSA	MW-65	08/31/00	116	126	1	11	II	OC21V	CHLOROFORM	0.7 J	UG/L
W65SSA	MW-65	08/14/01	116	126	1	11	II	OC21V	CHLOROFORM	0.3 J	UG/L
W65SSA	MW-65	09/25/03	116	126	1	11	II	OC21V	CHLOROFORM	0.4 J	UG/L
W65SSA	MW-65	08/20/04	116	126	1	11	II	OC21VM	CHLOROFORM	0.5 J	UG/L
W66SSA	MW-66	10/20/99	125.7	135.7	7	17	II	OC21V	CHLOROFORM	0.8 J	UG/L
W66M2A	MW-66	10/20/99	140.8	150.8	22	32	II	OC21V	CHLOROFORM	1	UG/L
W66M1A	MW-66	10/20/99	227.7	237.7	109	119	II	OC21V	CHLOROFORM	1	UG/L
W66M1A	MW-66	02/09/00	227.7	237.7	109	119	II	OC21V	CHLOROFORM	1	UG/L
W66SSA	MW-66	02/10/00	125.7	135.7	7	17	II	OC21V	CHLOROFORM	0.8 J	UG/L
W66M2A	MW-66	02/10/00	140.8	150.8	22	32	II	OC21V	CHLOROFORM	2	UG/L
W66M2A	MW-66	04/27/00	140.8	150.8	22	32	II	OC21V	CHLOROFORM	2	UG/L
W66M1A	MW-66	04/27/00	227.7	237.7	109	119	II	OC21V	CHLOROFORM	1	UG/L
W66SSA	MW-66	05/01/00	125.7	135.7	7	17	II	OC21V	CHLOROFORM	0.8 J	UG/L
W66SSA	MW-66	08/31/00	125.7	135.7	7	17	II	OC21V	CHLOROFORM	0.9 J	UG/L

Table 4-9
Metals, VOCs, SVOCs, Pesticides and Herbicides
Analytical Results - Groundwater
Detected Compounds
Northwest Corner Study Area

SAMPLE ID	LOCID	DATE SAMPLED	SBD	SED	BWTS	BWTE	VAL	METHOD	ANALYTE	CONC	UNITS
W66SSA	MW-66	08/13/01	125.7	135.7	7	17	II	OC21V	CHLOROFORM	0.8 J	UG/L
W66SSA	MW-66	08/09/02	125.7	135.7	7	17	II	OC21V	CHLOROFORM	0.8 J	UG/L
W66SSD	MW-66	08/09/02	125.7	135.7	7	17	II	OC21V	CHLOROFORM	0.8 J	UG/L
W66SSA	MW-66	08/31/04	125.7	135.7	7	17	II	OC21VM	CHLOROFORM	0.5 J	UG/L
95-15C-A	95-15C	09/15/04	147	157	78.16	88.16	II	OC21VM	CHLOROMETHANE	0.3 J	UG/L
95-6ES	95-6ES	09/11/01	34.7	44.7	0	10	II	OC21V	CHLOROMETHANE	1	UG/L
SVOCs											
95-6A-A	95-6A	09/14/04	167.5	177.5	142.5	152.5	II	SW8270	BENZOIC ACID	0.25 J	UG/L
95-15C	95-15C	10/08/01	147	157	78.16	88.16	II	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	0.52 J	UG/L
95-15C-A	95-15C	11/17/03	147	157	78.16	88.16	II	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	0.39 J	UG/L
W66SSA	MW-66	05/15/01	125.7	135.7	7	17	II	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	0.26 J	UG/L
W66SSA	MW-66	08/13/01	125.7	135.7	7	17	II	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	0.36 J	UG/L
W66SSA	MW-66	08/31/04	125.7	135.7	7	17	II	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	0.33 J	UG/L
95-15C-A	95-15C	11/17/03	147	157	78.16	88.16	II	SW8270	DIETHYL PHTHALATE	0.55 J	UG/L
W65M1A	MW-65	02/10/00	210	220	95	105	II	OC21B	DIETHYL PHTHALATE	9	UG/L
W66M1A	MW-66	02/09/00	227.7	237.7	109	119	II	OC21B	DIETHYL PHTHALATE	0.4 J	UG/L
W66SSA	MW-66	12/10/01	125.7	135.7	7	17	II	SW8270	DI-N-BUTYL PHTHALATE	0.53 J	UG/L
W66SSA	MW-66	08/09/02	125.7	135.7	7	17	II	SW8270	DI-N-BUTYL PHTHALATE	0.34 J	UG/L
95-15A	95-15A	11/10/99	186.5	196.5	74.71	84.71	II	8021W	TERT-BUTYL METHYL ETHER	0.82	UG/L
Pesticides and Herbicides											
W66M2A	MW-66	04/27/00	140.8	150.8	22	32	II	8151	2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	0.42 NJ	UG/L
W65SSA	MW-65	04/27/00	116	126	1	11	II	8151	CHLORAMBEN	0.14 NJ	UG/L
W66M2A	MW-66	10/20/99	140.8	150.8	22	32	II	8151	CHLORAMBEN	0.3 NJ	UG/L
W66M2A	MW-66	04/27/00	140.8	150.8	22	32	II	8151	CHLORAMBEN	0.28 J	UG/L
W66M1A	MW-66	04/27/00	227.7	237.7	109	119	II	8151	CHLORAMBEN	0.21 J	UG/L
95-6ES	95-6ES	11/16/99	34.7	44.7	0	10	II	8151	MCPP	1300	UG/L
95-6ES	95-6ES	11/16/99	34.7	44.7	0	10	II	8151	PICLORAM	0.14 J	UG/L

Notes:

SBD = Sample Beginning Depth (in ft below ground surface or ft bgs)
SED = Sample End Depth (in ft bgs)
BWTS = Depth of sample start (in feet below water table or ft bwt)
BWTE = Depth of sample end in ft bwt
VAL = Data Validation Level
CONC = Concentration
J = Concentration estimated; concentration below calibration range
* = Unvalidated data

Table 10-1 Average Perchlorate Concentrations (μg/L) in Source Area Water Table Wells Along Canal View Road			
Well/Year	**MW-277S**	**MW-278S**	**MW-279S**
2003	5.98	19.3	16.2
2004	3.55	N/A	14.59
2005	2.03	14.4	18.45
2006	2.6	13.2	9.8
2007	2.1	6.9	2.6

Table 10-2 Estimated Perchlorate Areas for Water Table and Deeper Wells						
	Water Table Wells			**Deeper Wells**		
Year	**Area of 0.35 μg/L isopleth (acres)**	**Area of 2 μg/L isopleth (acres)**	**Total Area (acres)**	**Area of 0.35 μg/L isopleth (acres)**	**Area of 2 μg/L isopleth (acres)**	**Total Area (acres)**
2003	182	242	424	193	126	319
2004	193	233	426	216	112	328
2005	221	201	422	186	134	320
2006	206	178	384	155	163	318
2007	223	141	364	150	158	308

Table 10-3 Average Annual Perchlorate Concentrations (μg/L) in Source Area Deep Wells Along Canal View Road			
Well/Year	**MW-277M1**	**MW-278M2**	**MW-279M2**
2003	0.68	4.87	5.04
2004	0.36	2.51	4.56
2005	0.37	3.07	10.19
2006	0.52	12.40	13.9
2007	0.75	6.2	12.0

Table 11-1
Northwest Corner Remedial Investigation/Feasibility Study
Comparison of Effectiveness of Design Alternatives

	Design Details			Perchlorate Remediation	RDX Remediation	
Alternative	**Number of Extraction Wells**	**Total Extraction Rate (gpm)**	**Number of Infiltration Trenches**	**Predicted Year to Achieve the State MCL (2 ug/L)**	**Predicted Year to Achieve Lifetime Health Advisory (2 ug/L)**	**Predicted Year to Achieve 10-6 Cancer Risk (0.6 ug/L)**
1. No Action	NA	NA	NA	2012	2012	2022
2. Long-term Management	NA	NA	NA	2012	2012	2022
3. Focused Extraction	5	500	1	2012*	2012*	2020*

gpm - gallons per minute
MCL - Maximum Contaminant Level
NA=Not Applicable
* - Assumes system startup in 2010

Table 11-2
Northwest Corner Remedial Investigation/Feasability Study
Summary of Regulatory Considerations

AUTHORITY/TYPE	PROVISION	SYNOPSIS
Federal/Chemical Specific	SDWA MCLs, 40 CFR 141.61 – 141.63	The EPA has promulgated SDWA MCLs (40 CFR 141-143) that are enforceable standards for public drinking water supplies. The standards protect drinking water quality by limiting the levels of specific contaminants that can adversely affect public health.
State/Chemical Specific	MA Drinking Water Regulations, 310 CMR 22.00	These standards establish Massachusetts MCLs (MMCLs) for public drinking water systems (310 CMR 22.00 et seq.).
Federal/Action Specific	SDWA 47 FR 30282 Sole Source Aquifer	Pursuant to Section 1424(e) of the Safe Drinking Water Act, the EPA has determined that the Cape Cod aquifer is the sole or principal source of drinking water for Cape Cod, Massachusetts, and that the Cape Cod aquifer, if contaminated, would create a significant hazard to public health.
Federal/Chemical Specific	Drinking Water Health Advisories, published at http://www.epa.gov/ waterscience/criteria/drinking/	These are exposure concentrations protective of adverse non-cancer effects for a given exposure period. The 1-day and 10-day HA are designed to protect a child; the lifetime HA is designed to protect an adult.
Federal/Chemical Specific	Drinking Water Equivalent Levels (DWELs), published at http://www.epa.gov/ waterscience/criteria/drinking/	DWELs set forth lifetime exposure concentration values protective of adverse, non-cancer health effects, assuming that all of the exposure to a contaminant is from drinking water.
Federal/Chemical Specific	Human Health Reference Doses (RfDs), Reference Concentrations (RfCs), Cancer Slope Factors (CSFs), and 10^{-6} excess lifetime cancer risk level	These risk-based concentrations are considered together with site-specific exposure information to develop concentrations of residual contamination that will not endanger human health.

Table 11-2
Northwest Corner Remedial Investigation/Feasability Study
Summary of Regulatory Considerations

AUTHORITY/TYPE	PROVISION	SYNOPSIS
State/Chemical Specific	Massachusetts Contingency Plan, Method 1, GW-1 Groundwater Standards, 310 CMR 40.0974(2) Table 1	These cleanup standards were developed by MassDEP considering a defined set of exposures considered to be a conservative estimate of the potential exposures at most sites. Groundwater at MMR is classified as GW-1.
State/Chemical Specific	Massachusetts Drinking Water Guidelines, in Standards and Guidelines for Chemicals in Massachusetts Drinking Waters (Spring 2009), available at http://www.mass.gov/dep/water/dwstand.pdf.	Synopsis: This document lists both promulgated Massachusetts MCLs and also MassDEP Office of Research and Standards guidelines for chemicals that do not have Massachusetts MCLs. Standards promulgated by EPA but not yet effective may be included on the Guidelines list. These values are derived based on a review and evaluation of all available data for the chemical of interest.
State/Action Specific	Massachusetts Surface Water Quality Standards, 314 CMR 4.00	These MassDEP standards prescribe the minimum water quality criteria required to sustain the designated uses of Massachusetts waters. The levels are designed to prevent all adverse health effects from ingestion, inhalation or dermal contact.
Federal/Action Specific	Subtitle C Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities, 40 CFR Part 264	These requirements establish minimum national standards that define the acceptable management of hazardous waste.
State/Action Specific	MA Hazardous Waste Management Regulations (310 CMR 30.0000)	These requirements specify how a generator of solid waste must determine whether that waste is hazardous. If waste is determined to be hazardous, it must be managed in accordance with these requirements.

Table 11-2
Northwest Corner Remedial Investigation/Feasability Study
Summary of Regulatory Considerations

AUTHORITY/TYPE	PROVISION	SYNOPSIS
Federal/Action Specific	EPA Guidance on "Use of Monitored Natural Attenuation at Superfund, RCRA Corrective Action, and Underground Storage Tank Sites" (9200.4-17P) (Apr. 21, 1999)	This guidance describes EPA's policy regarding the use of monitored natural attenuation (MNA) for the cleanup of contaminated soil and groundwater. It provides guidance regarding necessary site-specific characterization data and analysis, a methodology for determining a reasonable timeframe for remediation, a preference for remediation of sources, appropriate performance monitoring and evaluation, and a preference for contingency remedies.
Federal/Action Specific	Resource Conservation and Recovery Act (RCRA) [40 CFR 261; 40 CFR 262.34]	Resource Conservation and Recovery Act (RCRA) regulations at 40 CFR 261.24 identify the concentrations of contaminants that make a waste material a RCRA -characteristic hazardous waste for toxicity.
Federal/Action Specific	RCRA Land Disposal Restrictions [40 CFR 268]	These regulations restrict the disposal of any treatment wastes classified as hazardous waste.
State/Action Specific	Solid Waste Management Regulations (RCRA Subtitle D), 310 CMR 19.000 et seq.	If a waste is determined to be a solid waste, it must be managed in accordance with the state regulations at 310 CMR 19.000 et seq.
Federal/Action Specific	Hazardous Waste Operations and Emergency Response, 29 CFR 1910.120	These regulations describe training, monitoring, planning, and other activities to protect the health of workers performing hazardous waste operations.
Federal/Action Specific	Underground Injection Control Program [40 CFR 114, 144, 146, 147, 148, 1000]	Underground Injection Control Program regulations outline minimum program and performance standards for underground injection wells and prohibit any injection that may cause a violation of any primary drinking water regulation in the aquifer. Infiltration galleries and wells fall within the broad definition of Class V wells. These regulations are administered by the State.

Table 11-2
Northwest Corner Remedial Investigation/Feasability Study
Summary of Regulatory Considerations

AUTHORITY/TYPE	PROVISION	SYNOPSIS
State/Action Specific	MassDEP Stormwater Management Program Policy (Nov. 18, 1996)	Provides policies and guidance on complying with the state's stormwater discharge requirements.
Federal/Action Specific	National Environmental Policy Act, 42 U.S.C. 4321-4370f	"EPA believes that NGB is not required to follow NEPA procedures, as long as the NGB's actions are conducted in accordance with the administrative order, because of the provision in the CEQ regulations exempting enforcement actions from NEPA." (USEPA, 1 March 01)
Federal/Action Specific	CWA NDPES Stormwater Discharge Requirements, 40 CFR 122.26	Establishes requirements for stormwater discharges associated with construction activities that result in a land disturbance of equal to or greater than one acre of land. The requirements include good construction management techniques; phasing of construction projects; minimal clearing; and sediment, erosion, structural, and vegetative controls to mitigate stormwater run-on and runoff.
State/Action Specific	Stormwater Discharge Requirements, 314 CMR 3.04 and 314 CMR 3.19	Requires that stormwater discharges associated with construction activities be managed in accordance with the general permit conditions of 314 CMR 3.19 so as not to cause a violation of Massachusetts surface water quality standards in the receiving surface water body (including wetlands).
State/Chemical Specific	Massachusetts Air Pollution Control Regulations [310 CMR 6.00 – 7.00]	Construction activities could trigger Massachusetts Air Pollution Control Regulations (310 CMR 6.00 – 7.00). These regulations set emission limits necessary to attain ambient air quality standards for fugitive emissions, dust and particulates.

Table 11-2
Northwest Corner Remedial Investigation/Feasability Study
Summary of Regulatory Considerations

AUTHORITY/TYPE	PROVISION	SYNOPSIS
State/Action Specific, Chemical Specific	310 CMR 40.0040 Construction and operation of a groundwater treatment plant	Regulations establish management procedures for remedial wastewater as well as the construction, installation, change, operation and maintenance of treatment works for Remedial Wastewater. Treatment works shall be inspected and the inspections documented. Treatment works shall be protected from vandalism and measures shall be taken to prevent system failure, contaminant pass through, interference, by-pass, upset, and other events likely to result in a discharge of oil and/or hazardous material to the environment.
State/Action Specific, Chemical Specific	Discharge of Groundwater 310 CMR 40.0045	Regulations restrict remedial wastewater discharge to the ground surface or subsurface and/or groundwater. Such a discharge should not erode or impair the functioning of the surficial and subsurface soils, infiltrate underground utilities, building interiors or subsurface structures, result in groundwater mounding within two feet of the ground surface, or result in flooding or breakout to the ground surface. The concentrations of all pollutants discharged must be below the Massachusetts Groundwater Quality Standards established by 314 CMR 6.0. The concentrations must also be below the applicable Reportable Concentrations established by 310 CMR 40.0300 and 40.1600.
State/Action Specific	Discharge of Groundwater 310 CMR 40.0300 and 310 CMR 40.1600	The MCP contains special provisions for the discharge of groundwater containing very low levels of oil or hazardous material. Groundwater containing oil and/or hazardous material in concentrations less than the applicable release notification threshold established by 310 CMR 40.0300 and 40.1600, can be discharged to the ground subsurface and/or groundwater only when following appropriate guidelines.

Table 11-2
Northwest Corner Remedial Investigation/Feasability Study
Summary of Regulatory Considerations

AUTHORITY/TYPE	PROVISION	SYNOPSIS
State/Action Specific	Groundwater Discharge Regulations [314 CMR 5.00]	Recharge of effluent from some treatment works requires a permit under Groundwater Discharge Regulations at 314 CMR 5.00 unless the exemption allowing for actions taken in compliance with MGL C. 21E and regulations at 40 CMR 40.00 applies. The effluent discharged must not exceed any Massachusetts Groundwater Quality Standards and effluent limitations in 314 CMR 6.0 CMR 5.10(3). For previous projects on MMR, the MassDEP has determined that effluent from any constructed treatment system is “conditionally exempt” from obtaining the permit provided that the applicable or relevant provisions of the MCP 310 CMR 40.0000 are complied with.
State/Action Specific	MassDEP Drinking Water Program, Private Well Guidelines (2008), available at http://www.mass.gov/dep/water/laws/prwellgd.pdf	These are guidelines concerning private well location, design, construction, development, water quality testing, operation, maintenance, and decommissioning.
State/Action Specific	Underground Injection Control [310 CMR 27.00]	These regulations prohibit injection of fluid containing any pollutant into underground sources of drinking water where such pollutant will, or is likely to, cause a violation of any state drinking water standard or adversely affect the health of persons.
State/Action Specific	STATE - MA Erosion and Sediment Control Guidelines for Urban and Suburban Areas (May 2003), available at http://www.mass.gov/dep/water/essec1.pdf	Provides guidance and best management practices regarding erosion and sediment control.

Table 11-2
Northwest Corner Remedial Investigation/Feasability Study
Summary of Regulatory Considerations

AUTHORITY/TYPE	PROVISION	SYNOPSIS
Federal/Action Specific	Archaeological Resources Protection Act, 16 U.S.C. §§ 470aa-ll, 43 CFR Part 7; Native American Graves Protection and Repatriation Act, 25 U.S.C. §§ 3001-3013, 43 CFR Part 10, National Historic Preservation Act, 16 U.S.C. §§ 470 et seq., 36 CFR Part 800; Massachusetts Historic Preservation Act, MGL ch. 9 §§ 26-27C; MGL ch. 7, § 38A; MGL ch. 38, §§ 6B-6C; 950 CMR 70-71.	These statutes and regulations provide for the protection of historical, archaeological, and Native American burial sites, artifacts, and objects that might be lost as a result of a federal construction project.

APPENDIX

APPENDIX A

ANALYTICAL RESULTS

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVE	SBD	SED	LOCID
BGHAAA	01/22/1998	350.2M	NITROGEN, AMMONIA (AS N)	14.9	MG/KG	II	0	0.5	16A
BGHAAA	01/22/1998	353.2M	NITRATE/NITRITE (AS N)	0.39	MG/KG	II	0	0.5	16A
BGHAAA	01/22/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	81.5 J	MG/KG	II	0	0.5	16A
BGHAAA	01/22/1998	8151	MCPA	7700 NJ	UG/KG	II	0	0.5	16A
BGHAAA	01/22/1998	8330N	{ND on all 19} analytes			II	0	0.5	16A
BGHAAA	01/22/1998	8515	{ND on all 1} analytes			II	0	0.5	16A
BGHAAA	01/22/1998	CRRSCT	TNT/DNT	0.99 J	MG/KG	II	0	0.5	16A
BGHAAA	01/22/1998	CYAN	{ND on all 1} analytes			II	0	0.5	16A
BGHAAA	01/22/1998	IM40HG	{ND on all 1} analytes			II	0	0.5	16A
BGHAAA	01/22/1998	IM40MB	ALUMINUM	5890	MG/KG	II	0	0.5	16A
BGHAAA	01/22/1998	IM40MB	ARSENIC	2.1	MG/KG	II	0	0.5	16A
BGHAAA	01/22/1998	IM40MB	BARIUM	7.3	MG/KG	II	0	0.5	16A
BGHAAA	01/22/1998	IM40MB	BORON	12.4	MG/KG	II	0	0.5	16A
BGHAAA	01/22/1998	IM40MB	CADMIUM	0.32	MG/KG	II	0	0.5	16A
BGHAAA	01/22/1998	IM40MB	CALCIUM	75.9	MG/KG	II	0	0.5	16A
BGHAAA	01/22/1998	IM40MB	CHROMIUM, TOTAL	5.4 J	MG/KG	II	0	0.5	16A
BGHAAA	01/22/1998	IM40MB	COBALT	0.69 J	MG/KG	II	0	0.5	16A
BGHAAA	01/22/1998	IM40MB	COPPER	5.1	MG/KG	II	0	0.5	16A
BGHAAA	01/22/1998	IM40MB	IRON	7800 J	MG/KG	II	0	0.5	16A
BGHAAA	01/22/1998	IM40MB	LEAD	10.5 J	MG/KG	II	0	0.5	16A
BGHAAA	01/22/1998	IM40MB	MAGNESIUM	196	MG/KG	II	0	0.5	16A
BGHAAA	01/22/1998	IM40MB	MANGANESE	17.9	MG/KG	II	0	0.5	16A
BGHAAA	01/22/1998	IM40MB	MOLYBDENUM	0.69 J	MG/KG	II	0	0.5	16A
BGHAAA	01/22/1998	IM40MB	NICKEL	2.4	MG/KG	II	0	0.5	16A
BGHAAA	01/22/1998	IM40MB	POTASSIUM	91.1 J	MG/KG	II	0	0.5	16A
BGHAAA	01/22/1998	IM40MB	VANADIUM	15.7	MG/KG	II	0	0.5	16A
BGHAAA	01/22/1998	IM40MB	ZINC	15.9 J	MG/KG	II	0	0.5	16A
BGHAAA	01/22/1998	OM31B	2,4-DINITROTOLUENE	100 J	UG/KG	II	0	0.5	16A
BGHAAA	01/22/1998	OM31B	DI-N-BUTYL PHTHALATE	240 J	UG/KG	II	0	0.5	16A
BGHAAA	01/22/1998	OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2,2,2-TRICHLO	2.3 J	UG/KG	II	0	0.5	16A
BGHAAA	01/22/1998	8021S	{ND on all 2} analytes			II	0	0.5	16A
BGHAAA	01/22/1998	OM31V	{ND on all 33} analytes			II	0	0.5	16A
BGHAAD	01/22/1998	350.2M	NITROGEN, AMMONIA (AS N)	12.1	MG/KG	II	0	0.5	16A
BGHAAD	01/22/1998	353.2M	NITRATE/NITRITE (AS N)	0.3	MG/KG	II	0	0.5	16A
BGHAAD	01/22/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	70.8 J	MG/KG	II	0	0.5	16A
BGHAAD	01/22/1998	8151	MCPA	18000 NJ	UG/KG	II	0	0.5	16A
BGHAAD	01/22/1998	8330N	{ND on all 19} analytes			II	0	0.5	16A
BGHAAD	01/22/1998	8515	{ND on all 1} analytes			II	0	0.5	16A
BGHAAD	01/22/1998	CRRSCT	TNT/DNT	1.4	MG/KG	II	0	0.5	16A
BGHAAD	01/22/1998	CYAN	{ND on all 1} analytes			II	0	0.5	16A
BGHAAD	01/22/1998	IM40HG	{ND on all 1} analytes			II	0	0.5	16A
BGHAAD	01/22/1998	IM40MB	ALUMINUM	6440	MG/KG	II	0	0.5	16A
BGHAAD	01/22/1998	IM40MB	ARSENIC	3.4	MG/KG	II	0	0.5	16A
BGHAAD	01/22/1998	IM40MB	BARIUM	8.4	MG/KG	II	0	0.5	16A
BGHAAD	01/22/1998	IM40MB	BORON	14.5	MG/KG	II	0	0.5	16A
BGHAAD	01/22/1998	IM40MB	CADMIUM	0.35	MG/KG	II	0	0.5	16A
BGHAAD	01/22/1998	IM40MB	CALCIUM	101	MG/KG	II	0	0.5	16A
BGHAAD	01/22/1998	IM40MB	CHROMIUM, TOTAL	6.3 J	MG/KG	II	0	0.5	16A
BGHAAD	01/22/1998	IM40MB	COBALT	0.94	MG/KG	II	0	0.5	16A
BGHAAD	01/22/1998	IM40MB	COPPER	4.3	MG/KG	II	0	0.5	16A
BGHAAD	01/22/1998	IM40MB	IRON	8980 J	MG/KG	II	0	0.5	16A
BGHAAD	01/22/1998	IM40MB	LEAD	11.7 J	MG/KG	II	0	0.5	16A
BGHAAD	01/22/1998	IM40MB	MAGNESIUM	247	MG/KG	II	0	0.5	16A
BGHAAD	01/22/1998	IM40MB	MANGANESE	15.8	MG/KG	II	0	0.5	16A
BGHAAD	01/22/1998	IM40MB	MOLYBDENUM	0.68 J	MG/KG	II	0	0.5	16A
BGHAAD	01/22/1998	IM40MB	NICKEL	2.6	MG/KG	II	0	0.5	16A

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVEL	SBD	SED	LOCID
BGHAAD	01/22/1998	IM40MB	POTASSIUM	143	MG/KG	II	0	0.5	16A
BGHAAD	01/22/1998	IM40MB	VANADIUM	17	MG/KG	II	0	0.5	16A
BGHAAD	01/22/1998	IM40MB	ZINC	23.2 J	MG/KG	II	0	0.5	16A
BGHAAD	01/22/1998	OM31B	{ND on all 64} analytes			II	0	0.5	16A
BGHAAD	01/22/1998	OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2,2,2-TRICHLO	2.8 J	UG/KG	II	0	0.5	16A
BGHAAD	01/22/1998	OM31V	{ND on all 33} analytes			II	0	0.5	16A
BGHAAD	01/22/1998	8021S	{ND on all 1} analytes			II	0	0.5	16A
BGHABA	03/16/1998	350.2M	NITROGEN, AMMONIA (AS N)	6.4 J	MG/KG	II	1.5	2	16A
BGHABA	03/16/1998	353.2M	NITRATE/NITRITE (AS N)	0.22 J	MG/KG	II	1.5	2	16A
BGHABA	03/16/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	94 J	MG/KG	II	1.5	2	16A
BGHABA	03/16/1998	8151	{ND on all 16} analytes			II	1.5	2	16A
BGHABA	03/16/1998	8330N	{ND on all 19} analytes			II	1.5	2	16A
BGHABA	03/16/1998	8515	HMX/RDX	0.62 J	MG/KG	II	1.5	2	16A
BGHABA	03/16/1998	CRRSCT	{ND on all 1} analytes			II	1.5	2	16A
BGHABA	03/16/1998	CYAN	{ND on all 1} analytes			II	1.5	2	16A
BGHABA	03/16/1998	IM40HG	MERCURY	0.11	MG/KG	II	1.5	2	16A
BGHABA	03/16/1998	IM40MB	ALUMINUM	9120	MG/KG	II	1.5	2	16A
BGHABA	03/16/1998	IM40MB	ARSENIC	2.7	MG/KG	II	1.5	2	16A
BGHABA	03/16/1998	IM40MB	BARIUM	10.5	MG/KG	II	1.5	2	16A
BGHABA	03/16/1998	IM40MB	BERYLLIUM	0.12	MG/KG	II	1.5	2	16A
BGHABA	03/16/1998	IM40MB	CALCIUM	79.9	MG/KG	II	1.5	2	16A
BGHABA	03/16/1998	IM40MB	CHROMIUM, TOTAL	11	MG/KG	II	1.5	2	16A
BGHABA	03/16/1998	IM40MB	COBALT	2.1	MG/KG	II	1.5	2	16A
BGHABA	03/16/1998	IM40MB	COPPER	7.6	MG/KG	II	1.5	2	16A
BGHABA	03/16/1998	IM40MB	IRON	11200	MG/KG	II	1.5	2	16A
BGHABA	03/16/1998	IM40MB	LEAD	10.2	MG/KG	II	1.5	2	16A
BGHABA	03/16/1998	IM40MB	MAGNESIUM	693	MG/KG	II	1.5	2	16A
BGHABA	03/16/1998	IM40MB	MANGANESE	58.2 J	MG/KG	II	1.5	2	16A
BGHABA	03/16/1998	IM40MB	MOLYBDENUM	1.2	MG/KG	II	1.5	2	16A
BGHABA	03/16/1998	IM40MB	NICKEL	6	MG/KG	II	1.5	2	16A
BGHABA	03/16/1998	IM40MB	POTASSIUM	246	MG/KG	II	1.5	2	16A
BGHABA	03/16/1998	IM40MB	VANADIUM	14	MG/KG	II	1.5	2	16A
BGHABA	03/16/1998	IM40MB	ZINC	27.4 J	MG/KG	II	1.5	2	16A
BGHABA	03/16/1998	OM31B	BIS(2-ETHYLHEXYL) PHTHALATE	170 J	UG/KG	II	1.5	2	16A
BGHABA	03/16/1998	OM31B	CHRYSENE	23 J	UG/KG	II	1.5	2	16A
BGHABA	03/16/1998	OM31P	DDE (1,1-BIS(CHLOROPHENYL)-2,2-DICHLOROE	2.2 J	UG/KG	II	1.5	2	16A
BGHABA	03/16/1998	OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2,2,2-TRICHLO	4.4 J	UG/KG	II	1.5	2	16A
BGHABA	03/16/1998	OM31P	PCB-1254 (AROCHLOR 1254)	48	UG/KG	II	1.5	2	16A
BGHABA	03/16/1998	OM31P	PCB-1260 (AROCHLOR 1260)	25 J	UG/KG	II	1.5	2	16A
BGHABA	06/30/1998	OM31V	ACETONE	7 J	UG/KG	II	1.5	2	16A
BGHBAA	01/22/1998	350.2M	NITROGEN, AMMONIA (AS N)	13.3	MG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	353.2M	NITRATE/NITRITE (AS N)	0.51	MG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	74.3 J	MG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	8151	{ND on all 16} analytes			II	0	0.5	16B
BGHBAA	01/22/1998	8330N	{ND on all 19} analytes			II	0	0.5	16B
BGHBAA	01/22/1998	8515	{ND on all 1} analytes			II	0	0.5	16B
BGHBAA	01/22/1998	CRRSCT	TNT/DNT	1.3	MG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	CYAN	{ND on all 1} analytes			II	0	0.5	16B
BGHBAA	01/22/1998	IM40HG	{ND on all 1} analytes			II	0	0.5	16B
BGHBAA	01/22/1998	IM40MB	ALUMINUM	5240	MG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	IM40MB	ARSENIC	3	MG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	IM40MB	BARIUM	9.4	MG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	IM40MB	BORON	14.2	MG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	IM40MB	CADMIUM	0.29	MG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	IM40MB	CALCIUM	82.3	MG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	IM40MB	CHROMIUM, TOTAL	5.8 J	MG/KG	II	0	0.5	16B

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVE	SBD	SED	LOCID
BGHBAA	01/22/1998	IM40MB	COBALT	1.3	MG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	IM40MB	COPPER	6.3	MG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	IM40MB	IRON	8610 J	MG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	IM40MB	LEAD	15.5 J	MG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	IM40MB	MAGNESIUM	262	MG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	IM40MB	MANGANESE	27.4	MG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	IM40MB	MOLYBDENUM	0.64 J	MG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	IM40MB	NICKEL	3.1	MG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	IM40MB	POTASSIUM	160	MG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	IM40MB	VANADIUM	16.4	MG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	IM40MB	ZINC	14.6 J	MG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	OM31B	2,4-DINITROTOLUENE	260 J	UG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	OM31B	BENZO(A)ANTHRACENE	88 J	UG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	OM31B	BENZO(A)PYRENE	62 J	UG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	OM31B	BENZO(B)FLUORANTHENE	66 J	UG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	OM31B	BENZO(G,H,I)PERYLENE	43 J	UG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	OM31B	BENZO(K)FLUORANTHENE	90 J	UG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	OM31B	BIS(2-ETHYLHEXYL) PHTHALATE	32 J	UG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	OM31B	CHRYSENE	99 J	UG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	OM31B	DI-N-BUTYL PHTHALATE	470	UG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	OM31B	DIBENZ(A,H)ANTHRACENE	23 J	UG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	OM31B	FLUORANTHENE	160 J	UG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	OM31B	INDENO(1,2,3-C,D)PYRENE	40 J	UG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	OM31B	N-NITROSODIPHENYLAMINE	27 J	UG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	OM31B	PHENANTHRENE	93 J	UG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	OM31B	PYRENE	160 J	UG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	OM31P	DDE (1,1-BIS(CHLOROPHENYL)-2,2-DICHLOROE	2.5 J	UG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2,2,2-TRICHLO	2.9 J	UG/KG	II	0	0.5	16B
BGHBAA	01/22/1998	OM31V	{ND on all 33} analytes			II	0	0.5	16B
BGHBAA	01/22/1998	8021S	{ND on all 2} analytes			II	0	0.5	16B
BGHBBA	03/16/1998	350.2M	{ND on all 1} analytes			II	1.5	2	16B
BGHBBA	03/16/1998	353.2M	NITRATE/NITRITE (AS N)	0.07 J	MG/KG	II	1.5	2	16B
BGHBBA	03/16/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	76.8 J	MG/KG	II	1.5	2	16B
BGHBBA	03/16/1998	8330N	{ND on all 19} analytes			II	1.5	2	16B
BGHBBA	03/16/1998	8515	{ND on all 1} analytes			II	1.5	2	16B
BGHBBA	03/16/1998	CRRSCT	TNT/DNT	0.6 J	MG/KG	II	1.5	2	16B
BGHBBA	03/16/1998	CYAN	{ND on all 1} analytes			II	1.5	2	16B
BGHBBA	03/16/1998	IM40HG	{ND on all 1} analytes			II	1.5	2	16B
BGHBBA	03/16/1998	IM40MB	ALUMINUM	9630	MG/KG	II	1.5	2	16B
BGHBBA	03/16/1998	IM40MB	ANTIMONY	1.1 J	MG/KG	II	1.5	2	16B
BGHBBA	03/16/1998	IM40MB	ARSENIC	3.1	MG/KG	II	1.5	2	16B
BGHBBA	03/16/1998	IM40MB	BARIUM	9.9	MG/KG	II	1.5	2	16B
BGHBBA	03/16/1998	IM40MB	BERYLLIUM	0.16	MG/KG	II	1.5	2	16B
BGHBBA	03/16/1998	IM40MB	CALCIUM	41.8	MG/KG	II	1.5	2	16B
BGHBBA	03/16/1998	IM40MB	CHROMIUM, TOTAL	10.5	MG/KG	II	1.5	2	16B
BGHBBA	03/16/1998	IM40MB	COBALT	2.9	MG/KG	II	1.5	2	16B
BGHBBA	03/16/1998	IM40MB	COPPER	3.2	MG/KG	II	1.5	2	16B
BGHBBA	03/16/1998	IM40MB	IRON	9430	MG/KG	II	1.5	2	16B
BGHBBA	03/16/1998	IM40MB	LEAD	5.6	MG/KG	II	1.5	2	16B
BGHBBA	03/16/1998	IM40MB	MAGNESIUM	1270	MG/KG	II	1.5	2	16B
BGHBBA	03/16/1998	IM40MB	MANGANESE	55 J	MG/KG	II	1.5	2	16B
BGHBBA	03/16/1998	IM40MB	NICKEL	5.6	MG/KG	II	1.5	2	16B
BGHBBA	03/16/1998	IM40MB	POTASSIUM	322	MG/KG	II	1.5	2	16B
BGHBBA	03/16/1998	IM40MB	VANADIUM	15	MG/KG	II	1.5	2	16B
BGHBBA	03/16/1998	IM40MB	ZINC	14.6 J	MG/KG	II	1.5	2	16B
BGHBBA	03/16/1998	OM31B	{ND on all 64} analytes			II	1.5	2	16B

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Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVE	SBD	SED	LOCID
BGHBBA	03/16/1998	OM31P	{ND on all 28} analytes			II	1.5	2	16B
BGHBBA	06/30/1998	OM31V	ACETONE	12 J	UG/KG	II	1.5	2	16B
BGHCAA	03/18/1998	350.2M	NITROGEN, AMMONIA (AS N)	13.6 J	MG/KG	II	0	0.5	16C
BGHCAA	03/18/1998	353.2M	NITRATE/NITRITE (AS N)	0.4	MG/KG	II	0	0.5	16C
BGHCAA	03/18/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	57.6	MG/KG	II	0	0.5	16C
BGHCAA	03/18/1998	8151	{ND on all 16} analytes			II	0	0.5	16C
BGHCAA	03/18/1998	8330N	PENTAERYTHRITOL TETRANITRATE	36000 J	UG/KG	II	0	0.5	16C
BGHCAA	03/18/1998	8515	{ND on all 1} analytes			II	0	0.5	16C
BGHCAA	03/18/1998	CRRSCT	TNT/DNT	1.7	MG/KG	II	0	0.5	16C
BGHCAA	03/18/1998	CYAN	{ND on all 1} analytes			II	0	0.5	16C
BGHCAA	03/18/1998	IM40HG	{ND on all 1} analytes			II	0	0.5	16C
BGHCAA	03/18/1998	IM40MB	ALUMINUM	7580	MG/KG	II	0	0.5	16C
BGHCAA	03/18/1998	IM40MB	ARSENIC	2.3	MG/KG	II	0	0.5	16C
BGHCAA	03/18/1998	IM40MB	BARIUM	6.7	MG/KG	II	0	0.5	16C
BGHCAA	03/18/1998	IM40MB	CALCIUM	58.6	MG/KG	II	0	0.5	16C
BGHCAA	03/18/1998	IM40MB	CHROMIUM, TOTAL	6.6	MG/KG	II	0	0.5	16C
BGHCAA	03/18/1998	IM40MB	COBALT	1.1	MG/KG	II	0	0.5	16C
BGHCAA	03/18/1998	IM40MB	COPPER	2	MG/KG	II	0	0.5	16C
BGHCAA	03/18/1998	IM40MB	IRON	8370	MG/KG	II	0	0.5	16C
BGHCAA	03/18/1998	IM40MB	LEAD	8.2	MG/KG	II	0	0.5	16C
BGHCAA	03/18/1998	IM40MB	MAGNESIUM	284	MG/KG	II	0	0.5	16C
BGHCAA	03/18/1998	IM40MB	MANGANESE	15.5	MG/KG	II	0	0.5	16C
BGHCAA	03/18/1998	IM40MB	MOLYBDENUM	1.1	MG/KG	II	0	0.5	16C
BGHCAA	03/18/1998	IM40MB	NICKEL	2.7 J	MG/KG	II	0	0.5	16C
BGHCAA	03/18/1998	IM40MB	POTASSIUM	163	MG/KG	II	0	0.5	16C
BGHCAA	03/18/1998	IM40MB	VANADIUM	13.9	MG/KG	II	0	0.5	16C
BGHCAA	03/18/1998	IM40MB	ZINC	8.8	MG/KG	II	0	0.5	16C
BGHCAA	03/18/1998	OM31B	BIS(2-ETHYLHEXYL) PHTHALATE	22 J	UG/KG	II	0	0.5	16C
BGHCAA	03/18/1998	OM31P	{ND on all 28} analytes			II	0	0.5	16C
BGHCAA	03/18/1998	OM31V	ACETONE	13	UG/KG	II	0	0.5	16C
BGHCAA	03/18/1998	8021S	{ND on all 1} analytes			II	0	0.5	16C
BGHCAD	03/18/1998	350.2M	NITROGEN, AMMONIA (AS N)	10.8 J	MG/KG	II	0	0.5	16C
BGHCAD	03/18/1998	353.2M	NITRATE/NITRITE (AS N)	0.09	MG/KG	II	0	0.5	16C
BGHCAD	03/18/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	65.2	MG/KG	II	0	0.5	16C
BGHCAD	03/18/1998	8151	MCPA	14000 J	UG/KG	II	0	0.5	16C
BGHCAD	03/18/1998	8330N	PENTAERYTHRITOL TETRANITRATE	47000	UG/KG	II	0	0.5	16C
BGHCAD	03/18/1998	8515	{ND on all 1} analytes			II	0	0.5	16C
BGHCAD	03/18/1998	CRRSCT	TNT/DNT	1.4	MG/KG	II	0	0.5	16C
BGHCAD	03/18/1998	CYAN	{ND on all 1} analytes			II	0	0.5	16C
BGHCAD	03/18/1998	IM40HG	{ND on all 1} analytes			II	0	0.5	16C
BGHCAD	03/18/1998	IM40MB	ALUMINUM	7590	MG/KG	II	0	0.5	16C
BGHCAD	03/18/1998	IM40MB	ARSENIC	2.5	MG/KG	II	0	0.5	16C
BGHCAD	03/18/1998	IM40MB	BARIUM	6.9	MG/KG	II	0	0.5	16C
BGHCAD	03/18/1998	IM40MB	CALCIUM	56.2	MG/KG	II	0	0.5	16C
BGHCAD	03/18/1998	IM40MB	CHROMIUM, TOTAL	6.7	MG/KG	II	0	0.5	16C
BGHCAD	03/18/1998	IM40MB	COBALT	1.1	MG/KG	II	0	0.5	16C
BGHCAD	03/18/1998	IM40MB	COPPER	2.1	MG/KG	II	0	0.5	16C
BGHCAD	03/18/1998	IM40MB	IRON	8620	MG/KG	II	0	0.5	16C
BGHCAD	03/18/1998	IM40MB	LEAD	7.3	MG/KG	II	0	0.5	16C
BGHCAD	03/18/1998	IM40MB	MAGNESIUM	308	MG/KG	II	0	0.5	16C
BGHCAD	03/18/1998	IM40MB	MANGANESE	18	MG/KG	II	0	0.5	16C
BGHCAD	03/18/1998	IM40MB	MOLYBDENUM	0.76	MG/KG	II	0	0.5	16C
BGHCAD	03/18/1998	IM40MB	NICKEL	2.6 J	MG/KG	II	0	0.5	16C
BGHCAD	03/18/1998	IM40MB	POTASSIUM	158	MG/KG	II	0	0.5	16C
BGHCAD	03/18/1998	IM40MB	SELENIUM	1.1 J	MG/KG	II	0	0.5	16C
BGHCAD	03/18/1998	IM40MB	VANADIUM	14.6	MG/KG	II	0	0.5	16C

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AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVE	SBD	SED	LOCID
BGHCAD	03/18/1998	IM40MB	ZINC	8.8	MG/KG	II	0	0.5	16C
BGHCAD	03/18/1998	OM31B	BIS(2-ETHYLHEXYL) PHTHALATE	21 J	UG/KG	II	0	0.5	16C
BGHCAD	03/18/1998	OM31P	{ND on all 28} analytes			II	0	0.5	16C
BGHCAD	03/18/1998	OM31V	ACETONE	9 J	UG/KG	II	0	0.5	16C
BGHCAD	03/18/1998	8021S	{ND on all 1} analytes			II	0	0.5	16C
BGHCBA	03/19/1998	350.2M	{ND on all 1} analytes			II	1.5	2	16C
BGHCBA	03/19/1998	353.2M	NITRATE/NITRITE (AS N)	0.09	MG/KG	II	1.5	2	16C
BGHCBA	03/19/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	71.6	MG/KG	II	1.5	2	16C
BGHCBA	03/19/1998	8151	MCPP	26000 J	UG/KG	II	1.5	2	16C
BGHCBA	03/19/1998	8330N	{ND on all 19} analytes			II	1.5	2	16C
BGHCBA	03/19/1998	8515	{ND on all 1} analytes			II	1.5	2	16C
BGHCBA	03/19/1998	CRRSCT	TNT/DNT	0.7 J	MG/KG	II	1.5	2	16C
BGHCBA	03/19/1998	CYAN	{ND on all 1} analytes			II	1.5	2	16C
BGHCBA	03/19/1998	IM40HG	{ND on all 1} analytes			II	1.5	2	16C
BGHCBA	03/19/1998	IM40MB	ALUMINUM	8720	MG/KG	II	1.5	2	16C
BGHCBA	03/19/1998	IM40MB	ARSENIC	3.3	MG/KG	II	1.5	2	16C
BGHCBA	03/19/1998	IM40MB	BARIUM	8.8	MG/KG	II	1.5	2	16C
BGHCBA	03/19/1998	IM40MB	BERYLLIUM	0.17	MG/KG	II	1.5	2	16C
BGHCBA	03/19/1998	IM40MB	CALCIUM	38.9	MG/KG	II	1.5	2	16C
BGHCBA	03/19/1998	IM40MB	CHROMIUM, TOTAL	9.4	MG/KG	II	1.5	2	16C
BGHCBA	03/19/1998	IM40MB	COBALT	2.4	MG/KG	II	1.5	2	16C
BGHCBA	03/19/1998	IM40MB	COPPER	2.5	MG/KG	II	1.5	2	16C
BGHCBA	03/19/1998	IM40MB	IRON	10200	MG/KG	II	1.5	2	16C
BGHCBA	03/19/1998	IM40MB	LEAD	5.1	MG/KG	II	1.5	2	16C
BGHCBA	03/19/1998	IM40MB	MAGNESIUM	867	MG/KG	II	1.5	2	16C
BGHCBA	03/19/1998	IM40MB	MANGANESE	42.4	MG/KG	II	1.5	2	16C
BGHCBA	03/19/1998	IM40MB	MOLYBDENUM	0.78	MG/KG	II	1.5	2	16C
BGHCBA	03/19/1998	IM40MB	NICKEL	4 J	MG/KG	II	1.5	2	16C
BGHCBA	03/19/1998	IM40MB	POTASSIUM	275	MG/KG	II	1.5	2	16C
BGHCBA	03/19/1998	IM40MB	VANADIUM	13.9	MG/KG	II	1.5	2	16C
BGHCBA	03/19/1998	IM40MB	ZINC	11.1	MG/KG	II	1.5	2	16C
BGHCBA	03/19/1998	OM31B	BIS(2-ETHYLHEXYL) PHTHALATE	21 J	UG/KG	II	1.5	2	16C
BGHCBA	03/19/1998	OM31P	{ND on all 28} analytes			II	1.5	2	16C
BGHCBA	06/30/1998	OM31V	{ND on all 33} analytes			II	1.5	2	16C
BGHDAA	01/22/1998	350.2M	NITROGEN, AMMONIA (AS N)	16.7	MG/KG	II	0	0.5	16D
BGHDAA	01/22/1998	353.2M	NITRATE/NITRITE (AS N)	0.13 J	MG/KG	II	0	0.5	16D
BGHDAA	01/22/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	110 J	MG/KG	II	0	0.5	16D
BGHDAA	01/22/1998	8151	{ND on all 16} analytes			II	0	0.5	16D
BGHDAA	01/22/1998	8330N	{ND on all 19} analytes			II	0	0.5	16D
BGHDAA	01/22/1998	8515	{ND on all 1} analytes			II	0	0.5	16D
BGHDAA	01/22/1998	CRRSCT	TNT/DNT	2.1	MG/KG	II	0	0.5	16D
BGHDAA	01/22/1998	CYAN	{ND on all 1} analytes			II	0	0.5	16D
BGHDAA	01/22/1998	IM40HG	{ND on all 1} analytes			II	0	0.5	16D
BGHDAA	01/22/1998	IM40MB	ALUMINUM	11900	MG/KG	II	0	0.5	16D
BGHDAA	01/22/1998	IM40MB	ANTIMONY	0.85 J	MG/KG	II	0	0.5	16D
BGHDAA	01/22/1998	IM40MB	ARSENIC	4.2	MG/KG	II	0	0.5	16D
BGHDAA	01/22/1998	IM40MB	BARIUM	9.1	MG/KG	II	0	0.5	16D
BGHDAA	01/22/1998	IM40MB	BERYLLIUM	0.13 J	MG/KG	II	0	0.5	16D
BGHDAA	01/22/1998	IM40MB	BORON	13.5	MG/KG	II	0	0.5	16D
BGHDAA	01/22/1998	IM40MB	CADMIUM	0.21	MG/KG	II	0	0.5	16D
BGHDAA	01/22/1998	IM40MB	CALCIUM	81.8	MG/KG	II	0	0.5	16D
BGHDAA	01/22/1998	IM40MB	CHROMIUM, TOTAL	10.4 J	MG/KG	II	0	0.5	16D
BGHDAA	01/22/1998	IM40MB	COBALT	1.6	MG/KG	II	0	0.5	16D
BGHDAA	01/22/1998	IM40MB	COPPER	2.2	MG/KG	II	0	0.5	16D
BGHDAA	01/22/1998	IM40MB	IRON	12600 J	MG/KG	II	0	0.5	16D
BGHDAA	01/22/1998	IM40MB	LEAD	8.3 J	MG/KG	II	0	0.5	16D

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVE	SBD	SED	LOCID
BGHDAA	01/22/1998	IM40MB	MAGNESIUM	410	MG/KG	II	0	0.5	16D
BGHDAA	01/22/1998	IM40MB	MANGANESE	20.5	MG/KG	II	0	0.5	16D
BGHDAA	01/22/1998	IM40MB	MOLYBDENUM	0.76 J	MG/KG	II	0	0.5	16D
BGHDAA	01/22/1998	IM40MB	NICKEL	3.8	MG/KG	II	0	0.5	16D
BGHDAA	01/22/1998	IM40MB	POTASSIUM	174	MG/KG	II	0	0.5	16D
BGHDAA	01/22/1998	IM40MB	VANADIUM	22	MG/KG	II	0	0.5	16D
BGHDAA	01/22/1998	IM40MB	ZINC	13.7 J	MG/KG	II	0	0.5	16D
BGHDAA	01/22/1998	OM31B	BIS(2-ETHYLHEXYL) PHTHALATE	37 J	UG/KG	II	0	0.5	16D
BGHDAA	01/22/1998	OM31P	{ND on all 28} analytes			II	0	0.5	16D
BGHDAA	01/22/1998	OM31V	ACETONE	21	UG/KG	II	0	0.5	16D
BGHDAA	01/22/1998	OM31V	METHYLENE CHLORIDE	5 J	UG/KG	II	0	0.5	16D
BGHDAA	01/22/1998	8021S	{ND on all 2} analytes			II	0	0.5	16D
BGHDBA	03/17/1998	350.2M	NITROGEN, AMMONIA (AS N)	3.7 J	MG/KG	II	1.5	2	16D
BGHDBA	03/17/1998	353.2M	NITRATE/NITRITE (AS N)	0.04 J	MG/KG	II	1.5	2	16D
BGHDBA	03/17/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	73.4 J	MG/KG	II	1.5	2	16D
BGHDBA	03/17/1998	8330N	{ND on all 19} analytes			II	1.5	2	16D
BGHDBA	03/17/1998	8515	{ND on all 1} analytes			II	1.5	2	16D
BGHDBA	03/17/1998	CRRSCT	TNT/DNT	0.76 J	MG/KG	II	1.5	2	16D
BGHDBA	03/17/1998	CYAN	{ND on all 1} analytes			II	1.5	2	16D
BGHDBA	03/17/1998	IM40HG	{ND on all 1} analytes			II	1.5	2	16D
BGHDBA	03/17/1998	IM40MB	ALUMINUM	11600	MG/KG	II	1.5	2	16D
BGHDBA	03/17/1998	IM40MB	ARSENIC	3.5	MG/KG	II	1.5	2	16D
BGHDBA	03/17/1998	IM40MB	BARIUM	15.3	MG/KG	II	1.5	2	16D
BGHDBA	03/17/1998	IM40MB	BERYLLIUM	0.16	MG/KG	II	1.5	2	16D
BGHDBA	03/17/1998	IM40MB	BORON	1.1	MG/KG	II	1.5	2	16D
BGHDBA	03/17/1998	IM40MB	CALCIUM	159	MG/KG	II	1.5	2	16D
BGHDBA	03/17/1998	IM40MB	CHROMIUM, TOTAL	12.6	MG/KG	II	1.5	2	16D
BGHDBA	03/17/1998	IM40MB	COBALT	2.9	MG/KG	II	1.5	2	16D
BGHDBA	03/17/1998	IM40MB	COPPER	3.3	MG/KG	II	1.5	2	16D
BGHDBA	03/17/1998	IM40MB	IRON	10700	MG/KG	II	1.5	2	16D
BGHDBA	03/17/1998	IM40MB	LEAD	6.8	MG/KG	II	1.5	2	16D
BGHDBA	03/17/1998	IM40MB	MAGNESIUM	1220	MG/KG	II	1.5	2	16D
BGHDBA	03/17/1998	IM40MB	MANGANESE	51.8 J	MG/KG	II	1.5	2	16D
BGHDBA	03/17/1998	IM40MB	MOLYBDENUM	0.41 J	MG/KG	II	1.5	2	16D
BGHDBA	03/17/1998	IM40MB	NICKEL	6.1	MG/KG	II	1.5	2	16D
BGHDBA	03/17/1998	IM40MB	POTASSIUM	365	MG/KG	II	1.5	2	16D
BGHDBA	03/17/1998	IM40MB	VANADIUM	18	MG/KG	II	1.5	2	16D
BGHDBA	03/17/1998	IM40MB	ZINC	17.9 J	MG/KG	II	1.5	2	16D
BGHDBA	03/17/1998	OM31B	{ND on all 64} analytes			II	1.5	2	16D
BGHDBA	03/17/1998	OM31V	ACETONE	13 J	UG/KG	II	1.5	2	16D
BGHEAA	01/22/1998	350.2M	NITROGEN, AMMONIA (AS N)	15.7	MG/KG	II	0	0.5	16E
BGHEAA	01/22/1998	353.2M	NITRATE/NITRITE (AS N)	0.05 J	MG/KG	II	0	0.5	16E
BGHEAA	01/22/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	98.1 J	MG/KG	II	0	0.5	16E
BGHEAA	01/22/1998	8151	MCPA	20000 J	UG/KG	II	0	0.5	16E
BGHEAA	01/22/1998	8330N	{ND on all 19} analytes			II	0	0.5	16E
BGHEAA	01/22/1998	8515	{ND on all 1} analytes			II	0	0.5	16E
BGHEAA	01/22/1998	CRRSCT	TNT/DNT	2	MG/KG	II	0	0.5	16E
BGHEAA	01/22/1998	CYAN	{ND on all 1} analytes			II	0	0.5	16E
BGHEAA	01/22/1998	IM40HG	{ND on all 1} analytes			II	0	0.5	16E
BGHEAA	01/22/1998	IM40MB	ALUMINUM	9750	MG/KG	II	0	0.5	16E
BGHEAA	01/22/1998	IM40MB	ARSENIC	3.5	MG/KG	II	0	0.5	16E
BGHEAA	01/22/1998	IM40MB	BARIUM	6.3	MG/KG	II	0	0.5	16E
BGHEAA	01/22/1998	IM40MB	BERYLLIUM	0.08 J	MG/KG	II	0	0.5	16E
BGHEAA	01/22/1998	IM40MB	BORON	11.1	MG/KG	II	0	0.5	16E
BGHEAA	01/22/1998	IM40MB	CADMIUM	0.2	MG/KG	II	0	0.5	16E
BGHEAA	01/22/1998	IM40MB	CALCIUM	43.9 J	MG/KG	II	0	0.5	16E

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVEL	SBD	SED	LOCID
BGHEAA	01/22/1998	IM40MB	CHROMIUM, TOTAL	8.6 J	MG/KG	II	0	0.5	16E
BGHEAA	01/22/1998	IM40MB	COBALT	1.1	MG/KG	II	0	0.5	16E
BGHEAA	01/22/1998	IM40MB	COPPER	1.1	MG/KG	II	0	0.5	16E
BGHEAA	01/22/1998	IM40MB	IRON	10000 J	MG/KG	II	0	0.5	16E
BGHEAA	01/22/1998	IM40MB	LEAD	6.7 J	MG/KG	II	0	0.5	16E
BGHEAA	01/22/1998	IM40MB	MAGNESIUM	301	MG/KG	II	0	0.5	16E
BGHEAA	01/22/1998	IM40MB	MANGANESE	14.2	MG/KG	II	0	0.5	16E
BGHEAA	01/22/1998	IM40MB	MOLYBDENUM	0.75 J	MG/KG	II	0	0.5	16E
BGHEAA	01/22/1998	IM40MB	NICKEL	2.9	MG/KG	II	0	0.5	16E
BGHEAA	01/22/1998	IM40MB	POTASSIUM	163	MG/KG	II	0	0.5	16E
BGHEAA	01/22/1998	IM40MB	VANADIUM	17.3	MG/KG	II	0	0.5	16E
BGHEAA	01/22/1998	OM31B	PHENOL	31 J	UG/KG	II	0	0.5	16E
BGHEAA	01/22/1998	OM31P	{ND on all 28} analytes			II	0	0.5	16E
BGHEAA	01/22/1998	OM31V	ACETONE	34	UG/KG	II	0	0.5	16E
BGHEAA	01/22/1998	OM31V	METHYLENE CHLORIDE	7 J	UG/KG	II	0	0.5	16E
BGHEAA	01/22/1998	8021S	{ND on all 2} analytes			II	0	0.5	16E
BGHEBA	03/17/1998	350.2M	{ND on all 1} analytes			II	1.5	2	16E
BGHEBA	03/17/1998	353.2M	NITRATE/NITRITE (AS N)	0.04 J	MG/KG	II	1.5	2	16E
BGHEBA	03/17/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	76.7 J	MG/KG	II	1.5	2	16E
BGHEBA	03/17/1998	8151	{ND on all 16} analytes			II	1.5	2	16E
BGHEBA	03/17/1998	8330N	{ND on all 19} analytes			II	1.5	2	16E
BGHEBA	03/17/1998	8515	HMX/RDX	2	MG/KG	II	1.5	2	16E
BGHEBA	03/17/1998	CRRSCT	TNT/DNT	0.76 J	MG/KG	II	1.5	2	16E
BGHEBA	03/17/1998	CYAN	{ND on all 1} analytes			II	1.5	2	16E
BGHEBA	03/17/1998	IM40HG	{ND on all 1} analytes			II	1.5	2	16E
BGHEBA	03/17/1998	IM40MB	ALUMINUM	9640	MG/KG	II	1.5	2	16E
BGHEBA	03/17/1998	IM40MB	ARSENIC	3.3	MG/KG	II	1.5	2	16E
BGHEBA	03/17/1998	IM40MB	BARIUM	12.9	MG/KG	II	1.5	2	16E
BGHEBA	03/17/1998	IM40MB	BERYLLIUM	0.15	MG/KG	II	1.5	2	16E
BGHEBA	03/17/1998	IM40MB	BORON	0.94	MG/KG	II	1.5	2	16E
BGHEBA	03/17/1998	IM40MB	CALCIUM	53.1	MG/KG	II	1.5	2	16E
BGHEBA	03/17/1998	IM40MB	CHROMIUM, TOTAL	10.7	MG/KG	II	1.5	2	16E
BGHEBA	03/17/1998	IM40MB	COBALT	2.9	MG/KG	II	1.5	2	16E
BGHEBA	03/17/1998	IM40MB	COPPER	3	MG/KG	II	1.5	2	16E
BGHEBA	03/17/1998	IM40MB	IRON	9370	MG/KG	II	1.5	2	16E
BGHEBA	03/17/1998	IM40MB	LEAD	7.2	MG/KG	II	1.5	2	16E
BGHEBA	03/17/1998	IM40MB	MAGNESIUM	1170	MG/KG	II	1.5	2	16E
BGHEBA	03/17/1998	IM40MB	MANGANESE	45.9 J	MG/KG	II	1.5	2	16E
BGHEBA	03/17/1998	IM40MB	NICKEL	6.3	MG/KG	II	1.5	2	16E
BGHEBA	03/17/1998	IM40MB	POTASSIUM	282	MG/KG	II	1.5	2	16E
BGHEBA	03/17/1998	IM40MB	VANADIUM	17	MG/KG	II	1.5	2	16E
BGHEBA	03/17/1998	IM40MB	ZINC	16.9 J	MG/KG	II	1.5	2	16E
BGHEBA	03/17/1998	OM31B	{ND on all 64} analytes			II	1.5	2	16E
BGHEBA	03/17/1998	OM31V	{ND on all 33} analytes			II	1.5	2	16E
BGHFAA	01/23/1998	350.2M	NITROGEN, AMMONIA (AS N)	7.5 J	MG/KG	II	0	0.5	16F
BGHFAA	01/23/1998	353.2M	NITRATE/NITRITE (AS N)	0.13	MG/KG	II	0	0.5	16F
BGHFAA	01/23/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	40.3 J	MG/KG	II	0	0.5	16F
BGHFAA	01/23/1998	8151	MCPA	12000 J	UG/KG	II	0	0.5	16F
BGHFAA	01/23/1998	8330N	{ND on all 19} analytes			II	0	0.5	16F
BGHFAA	01/23/1998	8515	{ND on all 1} analytes			II	0	0.5	16F
BGHFAA	01/23/1998	CRRSCT	TNT/DNT	1.7	MG/KG	II	0	0.5	16F
BGHFAA	01/23/1998	CYAN	{ND on all 1} analytes			II	0	0.5	16F
BGHFAA	01/23/1998	IM40HG	{ND on all 1} analytes			II	0	0.5	16F
BGHFAA	01/23/1998	IM40MB	ALUMINUM	11700 J	MG/KG	II	0	0.5	16F
BGHFAA	01/23/1998	IM40MB	ARSENIC	3.4	MG/KG	II	0	0.5	16F
BGHFAA	01/23/1998	IM40MB	BARIUM	5.9	MG/KG	II	0	0.5	16F

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVE	SBD	SED	LOCID
BGHFAA	01/23/1998	IM40MB	BORON	8.8	MG/KG	II	0	0.5	16F
BGHFAA	01/23/1998	IM40MB	CALCIUM	58.7	MG/KG	II	0	0.5	16F
BGHFAA	01/23/1998	IM40MB	CHROMIUM, TOTAL	7.7	MG/KG	II	0	0.5	16F
BGHFAA	01/23/1998	IM40MB	COBALT	1.2	MG/KG	II	0	0.5	16F
BGHFAA	01/23/1998	IM40MB	COPPER	1.8	MG/KG	II	0	0.5	16F
BGHFAA	01/23/1998	IM40MB	IRON	11900 J	MG/KG	II	0	0.5	16F
BGHFAA	01/23/1998	IM40MB	LEAD	6.4 J	MG/KG	II	0	0.5	16F
BGHFAA	01/23/1998	IM40MB	MAGNESIUM	295	MG/KG	II	0	0.5	16F
BGHFAA	01/23/1998	IM40MB	MANGANESE	17 J	MG/KG	II	0	0.5	16F
BGHFAA	01/23/1998	IM40MB	MOLYBDENUM	0.87	MG/KG	II	0	0.5	16F
BGHFAA	01/23/1998	IM40MB	NICKEL	4.1 J	MG/KG	II	0	0.5	16F
BGHFAA	01/23/1998	IM40MB	POTASSIUM	186	MG/KG	II	0	0.5	16F
BGHFAA	01/23/1998	IM40MB	VANADIUM	18.3	MG/KG	II	0	0.5	16F
BGHFAA	01/23/1998	IM40MB	ZINC	10.3 J	MG/KG	II	0	0.5	16F
BGHFAA	01/23/1998	OM31P	{ND on all 28} analytes			II	0	0.5	16F
BGHFAA	01/23/1998	OM31V	ACETONE	8 J	UG/KG	II	0	0.5	16F
BGHFAA	01/23/1998	8021S	{ND on all 2} analytes			II	0	0.5	16F
BGHFAA	01/23/1998	OM31B	BIS(2-ETHYLHEXYL) PHTHALATE	48 J	UG/KG	II	0	0.5	16F
BGHFBA	03/17/1998	350.2M	NITROGEN, AMMONIA (AS N)	3.4 J	MG/KG	II	1.5	2	16F
BGHFBA	03/17/1998	353.2M	NITRATE/NITRITE (AS N)	0.05 J	MG/KG	II	1.5	2	16F
BGHFBA	03/17/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	67 J	MG/KG	II	1.5	2	16F
BGHFBA	03/17/1998	8151	{ND on all 16} analytes			II	1.5	2	16F
BGHFBA	03/17/1998	8330N	{ND on all 19} analytes			II	1.5	2	16F
BGHFBA	03/17/1998	8515	{ND on all 1} analytes			II	1.5	2	16F
BGHFBA	03/17/1998	CRRSCT	TNT/DNT	0.83 J	MG/KG	II	1.5	2	16F
BGHFBA	03/17/1998	CYAN	{ND on all 1} analytes			II	1.5	2	16F
BGHFBA	03/17/1998	IM40HG	{ND on all 1} analytes			II	1.5	2	16F
BGHFBA	03/17/1998	IM40MB	ALUMINUM	9860	MG/KG	II	1.5	2	16F
BGHFBA	03/17/1998	IM40MB	ARSENIC	2.3	MG/KG	II	1.5	2	16F
BGHFBA	03/17/1998	IM40MB	BARIUM	9	MG/KG	II	1.5	2	16F
BGHFBA	03/17/1998	IM40MB	BERYLLIUM	0.13	MG/KG	II	1.5	2	16F
BGHFBA	03/17/1998	IM40MB	BORON	0.45 J	MG/KG	II	1.5	2	16F
BGHFBA	03/17/1998	IM40MB	CALCIUM	27.8	MG/KG	II	1.5	2	16F
BGHFBA	03/17/1998	IM40MB	CHROMIUM, TOTAL	10.1	MG/KG	II	1.5	2	16F
BGHFBA	03/17/1998	IM40MB	COBALT	2.4	MG/KG	II	1.5	2	16F
BGHFBA	03/17/1998	IM40MB	COPPER	2.2	MG/KG	II	1.5	2	16F
BGHFBA	03/17/1998	IM40MB	IRON	9120	MG/KG	II	1.5	2	16F
BGHFBA	03/17/1998	IM40MB	LEAD	5.4	MG/KG	II	1.5	2	16F
BGHFBA	03/17/1998	IM40MB	MAGNESIUM	972	MG/KG	II	1.5	2	16F
BGHFBA	03/17/1998	IM40MB	MANGANESE	43.9 J	MG/KG	II	1.5	2	16F
BGHFBA	03/17/1998	IM40MB	MOLYBDENUM	0.39 J	MG/KG	II	1.5	2	16F
BGHFBA	03/17/1998	IM40MB	NICKEL	4.3	MG/KG	II	1.5	2	16F
BGHFBA	03/17/1998	IM40MB	POTASSIUM	241	MG/KG	II	1.5	2	16F
BGHFBA	03/17/1998	IM40MB	VANADIUM	13.8	MG/KG	II	1.5	2	16F
BGHFBA	03/17/1998	IM40MB	ZINC	11.4 J	MG/KG	II	1.5	2	16F
BGHFBA	03/17/1998	OM31B	{ND on all 64} analytes			II	1.5	2	16F
BGHFBA	06/30/1998	OM31V	{ND on all 33} analytes			II	1.5	2	16F
BGHGAA	01/22/1998	350.2M	NITROGEN, AMMONIA (AS N)	14.4	MG/KG	II	0	0.5	16G
BGHGAA	01/22/1998	353.2M	NITRATE/NITRITE (AS N)	0.09 J	MG/KG	II	0	0.5	16G
BGHGAA	01/22/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	92.1 J	MG/KG	II	0	0.5	16G
BGHGAA	01/22/1998	8021S	{ND on all 2} analytes			II	0	0.5	16G
BGHGAA	01/22/1998	8151	{ND on all 16} analytes			II	0	0.5	16G
BGHGAA	01/22/1998	8330N	{ND on all 19} analytes			II	0	0.5	16G
BGHGAA	01/22/1998	8515	{ND on all 1} analytes			II	0	0.5	16G
BGHGAA	01/22/1998	CRRSCT	TNT/DNT	0.77 J	MG/KG	II	0	0.5	16G
BGHGAA	01/22/1998	CYAN	{ND on all 1} analytes			II	0	0.5	16G

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVE	SBD	SED	LOCID
BGHGAA	01/22/1998	IM40HG	{ND on all 1} analytes			II	0	0.5	16G
BGHGAA	01/22/1998	IM40MB	ALUMINUM	12800	MG/KG	II	0	0.5	16G
BGHGAA	01/22/1998	IM40MB	ANTIMONY	0.82 J	MG/KG	II	0	0.5	16G
BGHGAA	01/22/1998	IM40MB	ARSENIC	4.3	MG/KG	II	0	0.5	16G
BGHGAA	01/22/1998	IM40MB	BARIUM	13.5	MG/KG	II	0	0.5	16G
BGHGAA	01/22/1998	IM40MB	BERYLLIUM	0.16 J	MG/KG	II	0	0.5	16G
BGHGAA	01/22/1998	IM40MB	BORON	18.4	MG/KG	II	0	0.5	16G
BGHGAA	01/22/1998	IM40MB	CADMIUM	0.25	MG/KG	II	0	0.5	16G
BGHGAA	01/22/1998	IM40MB	CALCIUM	71.1	MG/KG	II	0	0.5	16G
BGHGAA	01/22/1998	IM40MB	CHROMIUM, TOTAL	14.5 J	MG/KG	II	0	0.5	16G
BGHGAA	01/22/1998	IM40MB	COBALT	3.1	MG/KG	II	0	0.5	16G
BGHGAA	01/22/1998	IM40MB	COPPER	3	MG/KG	II	0	0.5	16G
BGHGAA	01/22/1998	IM40MB	IRON	13400 J	MG/KG	II	0	0.5	16G
BGHGAA	01/22/1998	IM40MB	LEAD	7.1 J	MG/KG	II	0	0.5	16G
BGHGAA	01/22/1998	IM40MB	MAGNESIUM	1210	MG/KG	II	0	0.5	16G
BGHGAA	01/22/1998	IM40MB	MANGANESE	49	MG/KG	II	0	0.5	16G
BGHGAA	01/22/1998	IM40MB	MOLYBDENUM	0.47 J	MG/KG	II	0	0.5	16G
BGHGAA	01/22/1998	IM40MB	NICKEL	5.6	MG/KG	II	0	0.5	16G
BGHGAA	01/22/1998	IM40MB	POTASSIUM	365	MG/KG	II	0	0.5	16G
BGHGAA	01/22/1998	IM40MB	VANADIUM	21.2	MG/KG	II	0	0.5	16G
BGHGAA	01/22/1998	IM40MB	ZINC	15 J	MG/KG	II	0	0.5	16G
BGHGAA	01/22/1998	OM31B	{ND on all 64} analytes			II	0	0.5	16G
BGHGAA	01/22/1998	OM31P	{ND on all 28} analytes			II	0	0.5	16G
BGHGAA	01/22/1998	OM31V	ACETONE	10 J	UG/KG	II	0	0.5	16G
BGHGAA	01/22/1998	OM31V	METHYLENE CHLORIDE	4 J	UG/KG	II	0	0.5	16G
BGHGBA	03/17/1998	350.2M	{ND on all 1} analytes			II	1.5	2	16G
BGHGBA	03/17/1998	353.2M	NITRATE/NITRITE (AS N)	0.11 J	MG/KG	II	1.5	2	16G
BGHGBA	03/17/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	95.2 J	MG/KG	II	1.5	2	16G
BGHGBA	03/17/1998	8515	{ND on all 1} analytes			II	1.5	2	16G
BGHGBA	03/17/1998	CRRSCT	{ND on all 1} analytes			II	1.5	2	16G
BGHGBA	03/17/1998	CYAN	{ND on all 1} analytes			II	1.5	2	16G
BGHGBA	03/17/1998	IM40HG	{ND on all 1} analytes			II	1.5	2	16G
BGHGBA	03/17/1998	IM40MB	ALUMINUM	7720	MG/KG	II	1.5	2	16G
BGHGBA	03/17/1998	IM40MB	ARSENIC	4.5	MG/KG	II	1.5	2	16G
BGHGBA	03/17/1998	IM40MB	BARIUM	11.4	MG/KG	II	1.5	2	16G
BGHGBA	03/17/1998	IM40MB	BERYLLIUM	0.29	MG/KG	II	1.5	2	16G
BGHGBA	03/17/1998	IM40MB	CALCIUM	49.4	MG/KG	II	1.5	2	16G
BGHGBA	03/17/1998	IM40MB	CHROMIUM, TOTAL	10.1	MG/KG	II	1.5	2	16G
BGHGBA	03/17/1998	IM40MB	COBALT	3.4	MG/KG	II	1.5	2	16G
BGHGBA	03/17/1998	IM40MB	COPPER	5.6	MG/KG	II	1.5	2	16G
BGHGBA	03/17/1998	IM40MB	IRON	11600	MG/KG	II	1.5	2	16G
BGHGBA	03/17/1998	IM40MB	LEAD	5.4	MG/KG	II	1.5	2	16G
BGHGBA	03/17/1998	IM40MB	MAGNESIUM	1380	MG/KG	II	1.5	2	16G
BGHGBA	03/17/1998	IM40MB	MANGANESE	56.4 J	MG/KG	II	1.5	2	16G
BGHGBA	03/17/1998	IM40MB	MOLYBDENUM	0.39 J	MG/KG	II	1.5	2	16G
BGHGBA	03/17/1998	IM40MB	NICKEL	6.1	MG/KG	II	1.5	2	16G
BGHGBA	03/17/1998	IM40MB	POTASSIUM	429	MG/KG	II	1.5	2	16G
BGHGBA	03/17/1998	IM40MB	THALLIUM	2 J	MG/KG	II	1.5	2	16G
BGHGBA	03/17/1998	IM40MB	VANADIUM	14.8	MG/KG	II	1.5	2	16G
BGHGBA	03/17/1998	IM40MB	ZINC	17.3 J	MG/KG	II	1.5	2	16G
BGHGBA	03/17/1998	OM31V	{ND on all 33} analytes			II	1.5	2	16G
BGHHAA	01/22/1998	350.2M	NITROGEN, AMMONIA (AS N)	7.29 J	MG/KG	II	0	0.5	16H
BGHHAA	01/22/1998	353.2M	NITRATE/NITRITE (AS N)	0.09 J	MG/KG	II	0	0.5	16H
BGHHAA	01/22/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	47.3 J	MG/KG	II	0	0.5	16H
BGHHAA	01/22/1998	8151	MCPA	8300 J	UG/KG	II	0	0.5	16H
BGHHAA	01/22/1998	8330N	{ND on all 19} analytes			II	0	0.5	16H

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC		UNITS	VALLEVE	SBD	SED	LOCID
BGHHAA	01/22/1998	8515	{ND on all 1} analytes				II	0	0.5	16H
BGHHAA	01/22/1998	CRRSCT	TNT/DNT	1.1		MG/KG	II	0	0.5	16H
BGHHAA	01/22/1998	CYAN	{ND on all 1} analytes				II	0	0.5	16H
BGHHAA	01/22/1998	IM40HG	{ND on all 1} analytes				II	0	0.5	16H
BGHHAA	01/22/1998	IM40MB	ALUMINUM	11100		MG/KG	II	0	0.5	16H
BGHHAA	01/22/1998	IM40MB	ARSENIC	3.3		MG/KG	II	0	0.5	16H
BGHHAA	01/22/1998	IM40MB	BARIUM	9.1		MG/KG	II	0	0.5	16H
BGHHAA	01/22/1998	IM40MB	BERYLLIUM	0.12	J	MG/KG	II	0	0.5	16H
BGHHAA	01/22/1998	IM40MB	BORON	15.1		MG/KG	II	0	0.5	16H
BGHHAA	01/22/1998	IM40MB	CADMIUM	0.17		MG/KG	II	0	0.5	16H
BGHHAA	01/22/1998	IM40MB	CALCIUM	46.5	J	MG/KG	II	0	0.5	16H
BGHHAA	01/22/1998	IM40MB	CHROMIUM, TOTAL	11.1	J	MG/KG	II	0	0.5	16H
BGHHAA	01/22/1998	IM40MB	COBALT	1.6		MG/KG	II	0	0.5	16H
BGHHAA	01/22/1998	IM40MB	COPPER	1.6		MG/KG	II	0	0.5	16H
BGHHAA	01/22/1998	IM40MB	IRON	11300	J	MG/KG	II	0	0.5	16H
BGHHAA	01/22/1998	IM40MB	LEAD	6.6	J	MG/KG	II	0	0.5	16H
BGHHAA	01/22/1998	IM40MB	MAGNESIUM	583		MG/KG	II	0	0.5	16H
BGHHAA	01/22/1998	IM40MB	MANGANESE	27.2		MG/KG	II	0	0.5	16H
BGHHAA	01/22/1998	IM40MB	MOLYBDENUM	0.69	J	MG/KG	II	0	0.5	16H
BGHHAA	01/22/1998	IM40MB	NICKEL	3.5		MG/KG	II	0	0.5	16H
BGHHAA	01/22/1998	IM40MB	POTASSIUM	196	J	MG/KG	II	0	0.5	16H
BGHHAA	01/22/1998	IM40MB	VANADIUM	17.7		MG/KG	II	0	0.5	16H
BGHHAA	01/22/1998	IM40MB	ZINC	10.4	J	MG/KG	II	0	0.5	16H
BGHHAA	01/22/1998	OM31B	{ND on all 64} analytes				II	0	0.5	16H
BGHHAA	01/22/1998	OM31P	{ND on all 28} analytes				II	0	0.5	16H
BGHHAA	01/22/1998	OM31V	ACETONE	44		UG/KG	II	0	0.5	16H
BGHHAA	01/22/1998	OM31V	METHYLENE CHLORIDE	5	J	UG/KG	II	0	0.5	16H
BGHHAA	01/22/1998	8021S	{ND on all 1} analytes				II	0	0.5	16H
BGHHBA	03/17/1998	350.2M	{ND on all 1} analytes				II	1.5	2	16H
BGHHBA	03/17/1998	353.2M	NITRATE/NITRITE (AS N)	0.13	J	MG/KG	II	1.5	2	16H
BGHHBA	03/17/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	55.7	J	MG/KG	II	1.5	2	16H
BGHHBA	03/17/1998	8151	{ND on all 16} analytes				II	1.5	2	16H
BGHHBA	03/17/1998	8330N	{ND on all 19} analytes				II	1.5	2	16H
BGHHBA	03/17/1998	8515	{ND on all 1} analytes				II	1.5	2	16H
BGHHBA	03/17/1998	CRRSCT	TNT/DNT	0.72	J	MG/KG	II	1.5	2	16H
BGHHBA	03/17/1998	CYAN	{ND on all 1} analytes				II	1.5	2	16H
BGHHBA	03/17/1998	IM40HG	{ND on all 1} analytes				II	1.5	2	16H
BGHHBA	03/17/1998	IM40MB	ALUMINUM	10200		MG/KG	II	1.5	2	16H
BGHHBA	03/17/1998	IM40MB	ARSENIC	2.3		MG/KG	II	1.5	2	16H
BGHHBA	03/17/1998	IM40MB	BARIUM	13.2		MG/KG	II	1.5	2	16H
BGHHBA	03/17/1998	IM40MB	BERYLLIUM	0.18		MG/KG	II	1.5	2	16H
BGHHBA	03/17/1998	IM40MB	BORON	0.94		MG/KG	II	1.5	2	16H
BGHHBA	03/17/1998	IM40MB	CALCIUM	51.9		MG/KG	II	1.5	2	16H
BGHHBA	03/17/1998	IM40MB	CHROMIUM, TOTAL	12		MG/KG	II	1.5	2	16H
BGHHBA	03/17/1998	IM40MB	COBALT	3.8		MG/KG	II	1.5	2	16H
BGHHBA	03/17/1998	IM40MB	COPPER	3.5		MG/KG	II	1.5	2	16H
BGHHBA	03/17/1998	IM40MB	IRON	9730		MG/KG	II	1.5	2	16H
BGHHBA	03/17/1998	IM40MB	LEAD	6		MG/KG	II	1.5	2	16H
BGHHBA	03/17/1998	IM40MB	MAGNESIUM	1500		MG/KG	II	1.5	2	16H
BGHHBA	03/17/1998	IM40MB	MANGANESE	59.9	J	MG/KG	II	1.5	2	16H
BGHHBA	03/17/1998	IM40MB	NICKEL	6.4		MG/KG	II	1.5	2	16H
BGHHBA	03/17/1998	IM40MB	POTASSIUM	398		MG/KG	II	1.5	2	16H
BGHHBA	03/17/1998	IM40MB	VANADIUM	16.2		MG/KG	II	1.5	2	16H
BGHHBA	03/17/1998	IM40MB	ZINC	17.3	J	MG/KG	II	1.5	2	16H
BGHHBA	03/17/1998	OM31B	{ND on all 64} analytes				II	1.5	2	16H
BGHHBA	03/17/1998	OM31V	ACETONE	11	J	UG/KG	II	1.5	2	16H

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVE	SBD	SED	LOCID
BGHIAA	01/22/1998	350.2M	NITROGEN, AMMONIA (AS N)	12.5	MG/KG	II	0	0.5	16I
BGHIAA	01/22/1998	353.2M	NITRATE/NITRITE (AS N)	0.11 J	MG/KG	II	0	0.5	16I
BGHIAA	01/22/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	53.8 J	MG/KG	II	0	0.5	16I
BGHIAA	01/22/1998	8151	MCPA	12000 NJ	UG/KG	II	0	0.5	16I
BGHIAA	01/22/1998	8330N	{ND on all 19} analytes			II	0	0.5	16I
BGHIAA	01/22/1998	8515	{ND on all 1} analytes			II	0	0.5	16I
BGHIAA	01/22/1998	CRRSCT	TNT/DNT	2.2	MG/KG	II	0	0.5	16I
BGHIAA	01/22/1998	CYAN	{ND on all 1} analytes			II	0	0.5	16I
BGHIAA	01/22/1998	IM40HG	{ND on all 1} analytes			II	0	0.5	16I
BGHIAA	01/22/1998	IM40MB	ALUMINUM	10300	MG/KG	II	0	0.5	16I
BGHIAA	01/22/1998	IM40MB	ARSENIC	3.3	MG/KG	II	0	0.5	16I
BGHIAA	01/22/1998	IM40MB	BARIUM	8.9	MG/KG	II	0	0.5	16I
BGHIAA	01/22/1998	IM40MB	BORON	17.3	MG/KG	II	0	0.5	16I
BGHIAA	01/22/1998	IM40MB	CADMIUM	0.24	MG/KG	II	0	0.5	16I
BGHIAA	01/22/1998	IM40MB	CALCIUM	189	MG/KG	II	0	0.5	16I
BGHIAA	01/22/1998	IM40MB	CHROMIUM, TOTAL	8.6 J	MG/KG	II	0	0.5	16I
BGHIAA	01/22/1998	IM40MB	COBALT	1.6	MG/KG	II	0	0.5	16I
BGHIAA	01/22/1998	IM40MB	COPPER	2.2	MG/KG	II	0	0.5	16I
BGHIAA	01/22/1998	IM40MB	IRON	11600 J	MG/KG	II	0	0.5	16I
BGHIAA	01/22/1998	IM40MB	LEAD	7.2 J	MG/KG	II	0	0.5	16I
BGHIAA	01/22/1998	IM40MB	MAGNESIUM	361	MG/KG	II	0	0.5	16I
BGHIAA	01/22/1998	IM40MB	MANGANESE	30.3	MG/KG	II	0	0.5	16I
BGHIAA	01/22/1998	IM40MB	MOLYBDENUM	1.3 J	MG/KG	II	0	0.5	16I
BGHIAA	01/22/1998	IM40MB	NICKEL	3.3	MG/KG	II	0	0.5	16I
BGHIAA	01/22/1998	IM40MB	POTASSIUM	168	MG/KG	II	0	0.5	16I
BGHIAA	01/22/1998	IM40MB	VANADIUM	20.8	MG/KG	II	0	0.5	16I
BGHIAA	01/22/1998	IM40MB	ZINC	10.4 J	MG/KG	II	0	0.5	16I
BGHIAA	01/22/1998	OM31B	BIS(2-ETHYLHEXYL) PHTHALATE	59 J	UG/KG	II	0	0.5	16I
BGHIAA	01/22/1998	OM31P	{ND on all 28} analytes			II	0	0.5	16I
BGHIAA	01/22/1998	OM31V	ACETONE	10 J	UG/KG	II	0	0.5	16I
BGHIAA	01/22/1998	OM31V	METHYLENE CHLORIDE	2 J	UG/KG	II	0	0.5	16I
BGHIAA	01/22/1998	8021S	{ND on all 2} analytes			II	0	0.5	16I
BGHIBA	03/17/1998	350.2M	NITROGEN, AMMONIA (AS N)	3.8 J	MG/KG	II	1.5	2	16I
BGHIBA	03/17/1998	353.2M	NITRATE/NITRITE (AS N)	0.05 J	MG/KG	II	1.5	2	16I
BGHIBA	03/17/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	86.7 J	MG/KG	II	1.5	2	16I
BGHIBA	03/17/1998	8151	{ND on all 16} analytes			II	1.5	2	16I
BGHIBA	03/17/1998	8515	{ND on all 1} analytes			II	1.5	2	16I
BGHIBA	03/17/1998	CRRSCT	{ND on all 1} analytes			II	1.5	2	16I
BGHIBA	03/17/1998	CYAN	{ND on all 1} analytes			II	1.5	2	16I
BGHIBA	03/17/1998	IM40HG	{ND on all 1} analytes			II	1.5	2	16I
BGHIBA	03/17/1998	IM40MB	ALUMINUM	8410	MG/KG	II	1.5	2	16I
BGHIBA	03/17/1998	IM40MB	ARSENIC	2.6	MG/KG	II	1.5	2	16I
BGHIBA	03/17/1998	IM40MB	BARIUM	9.2	MG/KG	II	1.5	2	16I
BGHIBA	03/17/1998	IM40MB	BERYLLIUM	0.16	MG/KG	II	1.5	2	16I
BGHIBA	03/17/1998	IM40MB	BORON	0.72	MG/KG	II	1.5	2	16I
BGHIBA	03/17/1998	IM40MB	CALCIUM	49.9	MG/KG	II	1.5	2	16I
BGHIBA	03/17/1998	IM40MB	CHROMIUM, TOTAL	10.2	MG/KG	II	1.5	2	16I
BGHIBA	03/17/1998	IM40MB	COBALT	3.8	MG/KG	II	1.5	2	16I
BGHIBA	03/17/1998	IM40MB	COPPER	5.1	MG/KG	II	1.5	2	16I
BGHIBA	03/17/1998	IM40MB	IRON	8810	MG/KG	II	1.5	2	16I
BGHIBA	03/17/1998	IM40MB	LEAD	5.8	MG/KG	II	1.5	2	16I
BGHIBA	03/17/1998	IM40MB	MAGNESIUM	1350	MG/KG	II	1.5	2	16I
BGHIBA	03/17/1998	IM40MB	MANGANESE	69.1 J	MG/KG	II	1.5	2	16I
BGHIBA	03/17/1998	IM40MB	MOLYBDENUM	0.49 J	MG/KG	II	1.5	2	16I
BGHIBA	03/17/1998	IM40MB	NICKEL	12.4	MG/KG	II	1.5	2	16I
BGHIBA	03/17/1998	IM40MB	POTASSIUM	355	MG/KG	II	1.5	2	16I

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVE	SBD	SED	LOCID
BGHIBA	03/17/1998	IM40MB	VANADIUM	14.1	MG/KG	II	1.5	2	16I
BGHIBA	03/17/1998	IM40MB	ZINC	14.9 J	MG/KG	II	1.5	2	16I
BGHIBA	03/17/1998	OM31B	{ND on all 64} analytes			II	1.5	2	16I
BGHIBA	03/17/1998	OM31V	ACETONE	4 J	UG/KG	II	1.5	2	16I
BGHJAA	01/22/1998	350.2M	NITROGEN, AMMONIA (AS N)	6.02 J	MG/KG	II	0	0.5	16J
BGHJAA	01/22/1998	353.2M	NITRATE/NITRITE (AS N)	0.16 J	MG/KG	II	0	0.5	16J
BGHJAA	01/22/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	95.5 J	MG/KG	II	0	0.5	16J
BGHJAA	01/22/1998	8151	MCPA	9300 J	UG/KG	II	0	0.5	16J
BGHJAA	01/22/1998	8151	MCPP	10000 J	UG/KG	II	0	0.5	16J
BGHJAA	01/22/1998	8515	{ND on all 1} analytes			II	0	0.5	16J
BGHJAA	01/22/1998	CRRSCT	{ND on all 1} analytes			II	0	0.5	16J
BGHJAA	01/22/1998	CYAN	{ND on all 1} analytes			II	0	0.5	16J
BGHJAA	01/22/1998	IM40HG	{ND on all 1} analytes			II	0	0.5	16J
BGHJAA	01/22/1998	IM40MB	ALUMINUM	9120	MG/KG	II	0	0.5	16J
BGHJAA	01/22/1998	IM40MB	ARSENIC	3.3	MG/KG	II	0	0.5	16J
BGHJAA	01/22/1998	IM40MB	BARIUM	7.4	MG/KG	II	0	0.5	16J
BGHJAA	01/22/1998	IM40MB	BERYLLIUM	0.1 J	MG/KG	II	0	0.5	16J
BGHJAA	01/22/1998	IM40MB	BORON	13	MG/KG	II	0	0.5	16J
BGHJAA	01/22/1998	IM40MB	CADMIUM	0.22	MG/KG	II	0	0.5	16J
BGHJAA	01/22/1998	IM40MB	CALCIUM	59	MG/KG	II	0	0.5	16J
BGHJAA	01/22/1998	IM40MB	CHROMIUM, TOTAL	9 J	MG/KG	II	0	0.5	16J
BGHJAA	01/22/1998	IM40MB	COBALT	1.5	MG/KG	II	0	0.5	16J
BGHJAA	01/22/1998	IM40MB	COPPER	1.9	MG/KG	II	0	0.5	16J
BGHJAA	01/22/1998	IM40MB	IRON	9910 J	MG/KG	II	0	0.5	16J
BGHJAA	01/22/1998	IM40MB	LEAD	7.2 J	MG/KG	II	0	0.5	16J
BGHJAA	01/22/1998	IM40MB	MAGNESIUM	458	MG/KG	II	0	0.5	16J
BGHJAA	01/22/1998	IM40MB	MANGANESE	28.7	MG/KG	II	0	0.5	16J
BGHJAA	01/22/1998	IM40MB	MOLYBDENUM	0.72 J	MG/KG	II	0	0.5	16J
BGHJAA	01/22/1998	IM40MB	NICKEL	3	MG/KG	II	0	0.5	16J
BGHJAA	01/22/1998	IM40MB	POTASSIUM	172 J	MG/KG	II	0	0.5	16J
BGHJAA	01/22/1998	IM40MB	VANADIUM	16.3	MG/KG	II	0	0.5	16J
BGHJAA	01/22/1998	OM31B	2,4-DINITROTOLUENE	280 J	UG/KG	II	0	0.5	16J
BGHJAA	01/22/1998	OM31B	DI-N-BUTYL PHTHALATE	600	UG/KG	II	0	0.5	16J
BGHJAA	01/22/1998	OM31B	N-NITROSODIPHENYLAMINE	42 J	UG/KG	II	0	0.5	16J
BGHJAA	01/22/1998	OM31P	{ND on all 28} analytes			II	0	0.5	16J
BGHJAA	01/22/1998	OM31V	ACETONE	5 J	UG/KG	II	0	0.5	16J
BGHJAA	01/22/1998	OM31V	METHYLENE CHLORIDE	2 J	UG/KG	II	0	0.5	16J
BGHJAA	01/22/1998	8021S	{ND on all 1} analytes			II	0	0.5	16J
BGHJBA	03/16/1998	350.2M	NITROGEN, AMMONIA (AS N)	3.1 J	MG/KG	II	1.5	2	16J
BGHJBA	03/16/1998	353.2M	NITRATE/NITRITE (AS N)	0.1 J	MG/KG	II	1.5	2	16J
BGHJBA	03/16/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	83.7 J	MG/KG	II	1.5	2	16J
BGHJBA	03/16/1998	8151	{ND on all 16} analytes			II	1.5	2	16J
BGHJBA	03/16/1998	8515	{ND on all 1} analytes			II	1.5	2	16J
BGHJBA	03/16/1998	CRRSCT	{ND on all 1} analytes			II	1.5	2	16J
BGHJBA	03/16/1998	CYAN	{ND on all 1} analytes			II	1.5	2	16J
BGHJBA	03/16/1998	IM40HG	{ND on all 1} analytes			II	1.5	2	16J
BGHJBA	03/16/1998	IM40MB	ALUMINUM	9030	MG/KG	II	1.5	2	16J
BGHJBA	03/16/1998	IM40MB	ANTIMONY	1.3 J	MG/KG	II	1.5	2	16J
BGHJBA	03/16/1998	IM40MB	ARSENIC	2.1	MG/KG	II	1.5	2	16J
BGHJBA	03/16/1998	IM40MB	BARIUM	9.6	MG/KG	II	1.5	2	16J
BGHJBA	03/16/1998	IM40MB	BERYLLIUM	0.16	MG/KG	II	1.5	2	16J
BGHJBA	03/16/1998	IM40MB	CALCIUM	47.2	MG/KG	II	1.5	2	16J
BGHJBA	03/16/1998	IM40MB	CHROMIUM, TOTAL	10.1	MG/KG	II	1.5	2	16J
BGHJBA	03/16/1998	IM40MB	COBALT	2.6	MG/KG	II	1.5	2	16J
BGHJBA	03/16/1998	IM40MB	COPPER	3.3	MG/KG	II	1.5	2	16J
BGHJBA	03/16/1998	IM40MB	IRON	9290	MG/KG	II	1.5	2	16J

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVE	SBD	SED	LOCID
BGHJBA	03/16/1998	IM40MB	LEAD	5.9	MG/KG	II	1.5	2	16J
BGHJBA	03/16/1998	IM40MB	MAGNESIUM	1020	MG/KG	II	1.5	2	16J
BGHJBA	03/16/1998	IM40MB	MANGANESE	46.3 J	MG/KG	II	1.5	2	16J
BGHJBA	03/16/1998	IM40MB	NICKEL	5.5	MG/KG	II	1.5	2	16J
BGHJBA	03/16/1998	IM40MB	POTASSIUM	299	MG/KG	II	1.5	2	16J
BGHJBA	03/16/1998	IM40MB	VANADIUM	14.5	MG/KG	II	1.5	2	16J
BGHJBA	03/16/1998	IM40MB	ZINC	13 J	MG/KG	II	1.5	2	16J
BGHJBA	03/16/1998	OM31B	{ND on all 64} analytes			II	1.5	2	16J
BGHJBA	06/30/1998	OM31V	{ND on all 33} analytes			II	1.5	2	16J
BGHKAA	01/22/1998	350.2M	NITROGEN, AMMONIA (AS N)	8.04 J	MG/KG	II	0	0.5	16K
BGHKAA	01/22/1998	353.2M	NITRATE/NITRITE (AS N)	0.5	MG/KG	II	0	0.5	16K
BGHKAA	01/22/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	81.1 J	MG/KG	II	0	0.5	16K
BGHKAA	01/22/1998	8151	MCPA	17000 J	UG/KG	II	0	0.5	16K
BGHKAA	01/22/1998	8515	{ND on all 1} analytes			II	0	0.5	16K
BGHKAA	01/22/1998	CRRSCT	{ND on all 1} analytes			II	0	0.5	16K
BGHKAA	01/22/1998	CYAN	{ND on all 1} analytes			II	0	0.5	16K
BGHKAA	01/22/1998	IM40HG	{ND on all 1} analytes			II	0	0.5	16K
BGHKAA	01/22/1998	IM40MB	ALUMINUM	11200	MG/KG	II	0	0.5	16K
BGHKAA	01/22/1998	IM40MB	ARSENIC	3.7	MG/KG	II	0	0.5	16K
BGHKAA	01/22/1998	IM40MB	BARIUM	9.9	MG/KG	II	0	0.5	16K
BGHKAA	01/22/1998	IM40MB	BERYLLIUM	0.13	MG/KG	II	0	0.5	16K
BGHKAA	01/22/1998	IM40MB	BORON	17.2	MG/KG	II	0	0.5	16K
BGHKAA	01/22/1998	IM40MB	CADMIUM	0.27	MG/KG	II	0	0.5	16K
BGHKAA	01/22/1998	IM40MB	CALCIUM	83.2	MG/KG	II	0	0.5	16K
BGHKAA	01/22/1998	IM40MB	CHROMIUM, TOTAL	11.1 J	MG/KG	II	0	0.5	16K
BGHKAA	01/22/1998	IM40MB	COBALT	2	MG/KG	II	0	0.5	16K
BGHKAA	01/22/1998	IM40MB	COPPER	3.8	MG/KG	II	0	0.5	16K
BGHKAA	01/22/1998	IM40MB	IRON	11100 J	MG/KG	II	0	0.5	16K
BGHKAA	01/22/1998	IM40MB	LEAD	9.2 J	MG/KG	II	0	0.5	16K
BGHKAA	01/22/1998	IM40MB	MAGNESIUM	692	MG/KG	II	0	0.5	16K
BGHKAA	01/22/1998	IM40MB	MANGANESE	37.8	MG/KG	II	0	0.5	16K
BGHKAA	01/22/1998	IM40MB	MOLYBDENUM	0.81 J	MG/KG	II	0	0.5	16K
BGHKAA	01/22/1998	IM40MB	NICKEL	3.8	MG/KG	II	0	0.5	16K
BGHKAA	01/22/1998	IM40MB	POTASSIUM	262	MG/KG	II	0	0.5	16K
BGHKAA	01/22/1998	IM40MB	VANADIUM	18.9	MG/KG	II	0	0.5	16K
BGHKAA	01/22/1998	IM40MB	ZINC	13 J	MG/KG	II	0	0.5	16K
BGHKAA	01/22/1998	OM31B	2,4-DINITROTOLUENE	82 J	UG/KG	II	0	0.5	16K
BGHKAA	01/22/1998	OM31B	DI-N-BUTYL PHTHALATE	180 J	UG/KG	II	0	0.5	16K
BGHKAA	01/22/1998	OM31P	{ND on all 28} analytes			II	0	0.5	16K
BGHKAA	01/22/1998	OM31V	METHYLENE CHLORIDE	2 J	UG/KG	II	0	0.5	16K
BGHKAA	01/22/1998	8021S	{ND on all 1} analytes			II	0	0.5	16K
BGHKBA	03/16/1998	350.2M	{ND on all 1} analytes			II	1.5	2	16K
BGHKBA	03/16/1998	353.2M	NITRATE/NITRITE (AS N)	0.11 J	MG/KG	II	1.5	2	16K
BGHKBA	03/16/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	101 J	MG/KG	II	1.5	2	16K
BGHKBA	03/16/1998	8151	{ND on all 16} analytes			II	1.5	2	16K
BGHKBA	03/16/1998	8515	{ND on all 1} analytes			II	1.5	2	16K
BGHKBA	03/16/1998	CRRSCT	{ND on all 1} analytes			II	1.5	2	16K
BGHKBA	03/16/1998	CYAN	{ND on all 1} analytes			II	1.5	2	16K
BGHKBA	03/16/1998	IM40HG	{ND on all 1} analytes			II	1.5	2	16K
BGHKBA	03/16/1998	IM40MB	ALUMINUM	8990	MG/KG	II	1.5	2	16K
BGHKBA	03/16/1998	IM40MB	ARSENIC	4.8	MG/KG	II	1.5	2	16K
BGHKBA	03/16/1998	IM40MB	BARIUM	11.4	MG/KG	II	1.5	2	16K
BGHKBA	03/16/1998	IM40MB	BERYLLIUM	0.26	MG/KG	II	1.5	2	16K
BGHKBA	03/16/1998	IM40MB	CALCIUM	49.2	MG/KG	II	1.5	2	16K
BGHKBA	03/16/1998	IM40MB	CHROMIUM, TOTAL	13.2	MG/KG	II	1.5	2	16K
BGHKBA	03/16/1998	IM40MB	COBALT	3.9	MG/KG	II	1.5	2	16K

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVE	SBD	SED	LOCID
BGHKBA	03/16/1998	IM40MB	COPPER	4.6	MG/KG	II	1.5	2	16K
BGHKBA	03/16/1998	IM40MB	IRON	12800	MG/KG	II	1.5	2	16K
BGHKBA	03/16/1998	IM40MB	LEAD	5.7	MG/KG	II	1.5	2	16K
BGHKBA	03/16/1998	IM40MB	MAGNESIUM	1650	MG/KG	II	1.5	2	16K
BGHKBA	03/16/1998	IM40MB	MANGANESE	60.8 J	MG/KG	II	1.5	2	16K
BGHKBA	03/16/1998	IM40MB	MOLYBDENUM	0.34 J	MG/KG	II	1.5	2	16K
BGHKBA	03/16/1998	IM40MB	NICKEL	7.2	MG/KG	II	1.5	2	16K
BGHKBA	03/16/1998	IM40MB	POTASSIUM	529	MG/KG	II	1.5	2	16K
BGHKBA	03/16/1998	IM40MB	VANADIUM	19.3	MG/KG	II	1.5	2	16K
BGHKBA	03/16/1998	IM40MB	ZINC	18.3 J	MG/KG	II	1.5	2	16K
BGHKBA	03/16/1998	OM31B	{ND on all 64} analytes			II	1.5	2	16K
BGHKBA	03/16/1998	OM31V	ACETONE	7 J	UG/KG	II	1.5	2	16K
BGHLAA	01/22/1998	350.2M	NITROGEN, AMMONIA (AS N)	6.99 J	MG/KG	II	0	0.5	16L
BGHLAA	01/22/1998	353.2M	NITRATE/NITRITE (AS N)	0.39	MG/KG	II	0	0.5	16L
BGHLAA	01/22/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	73.4 J	MG/KG	II	0	0.5	16L
BGHLAA	01/22/1998	8151	{ND on all 16} analytes			II	0	0.5	16L
BGHLAA	01/22/1998	8330N	{ND on all 19} analytes			II	0	0.5	16L
BGHLAA	01/22/1998	8515	{ND on all 1} analytes			II	0	0.5	16L
BGHLAA	01/22/1998	CRRSCT	TNT/DNT	0.88 J	MG/KG	II	0	0.5	16L
BGHLAA	01/22/1998	CYAN	{ND on all 1} analytes			II	0	0.5	16L
BGHLAA	01/22/1998	IM40HG	{ND on all 1} analytes			II	0	0.5	16L
BGHLAA	01/22/1998	IM40MB	ALUMINUM	12200	MG/KG	II	0	0.5	16L
BGHLAA	01/22/1998	IM40MB	ARSENIC	3.6	MG/KG	II	0	0.5	16L
BGHLAA	01/22/1998	IM40MB	BARIUM	13.3	MG/KG	II	0	0.5	16L
BGHLAA	01/22/1998	IM40MB	BERYLLIUM	0.13	MG/KG	II	0	0.5	16L
BGHLAA	01/22/1998	IM40MB	BORON	18.4	MG/KG	II	0	0.5	16L
BGHLAA	01/22/1998	IM40MB	CADMIUM	0.24	MG/KG	II	0	0.5	16L
BGHLAA	01/22/1998	IM40MB	CALCIUM	57.6	MG/KG	II	0	0.5	16L
BGHLAA	01/22/1998	IM40MB	CHROMIUM, TOTAL	12.6 J	MG/KG	II	0	0.5	16L
BGHLAA	01/22/1998	IM40MB	COBALT	2.4	MG/KG	II	0	0.5	16L
BGHLAA	01/22/1998	IM40MB	COPPER	3.4	MG/KG	II	0	0.5	16L
BGHLAA	01/22/1998	IM40MB	IRON	12600 J	MG/KG	II	0	0.5	16L
BGHLAA	01/22/1998	IM40MB	LEAD	7.4 J	MG/KG	II	0	0.5	16L
BGHLAA	01/22/1998	IM40MB	MAGNESIUM	932	MG/KG	II	0	0.5	16L
BGHLAA	01/22/1998	IM40MB	MANGANESE	42.2	MG/KG	II	0	0.5	16L
BGHLAA	01/22/1998	IM40MB	MOLYBDENUM	0.81 J	MG/KG	II	0	0.5	16L
BGHLAA	01/22/1998	IM40MB	NICKEL	4.7	MG/KG	II	0	0.5	16L
BGHLAA	01/22/1998	IM40MB	POTASSIUM	298	MG/KG	II	0	0.5	16L
BGHLAA	01/22/1998	IM40MB	VANADIUM	21.1	MG/KG	II	0	0.5	16L
BGHLAA	01/22/1998	IM40MB	ZINC	14.6 J	MG/KG	II	0	0.5	16L
BGHLAA	01/22/1998	OM31B	{ND on all 64} analytes			II	0	0.5	16L
BGHLAA	01/22/1998	OM31P	{ND on all 28} analytes			II	0	0.5	16L
BGHLAA	01/22/1998	OM31V	ACETONE	4 J	UG/KG	II	0	0.5	16L
BGHLAA	01/22/1998	8021S	{ND on all 1} analytes			II	0	0.5	16L
BGHLBA	03/16/1998	350.2M	{ND on all 1} analytes			II	1.5	2	16L
BGHLBA	03/16/1998	353.2M	NITRATE/NITRITE (AS N)	0.76 J	MG/KG	II	1.5	2	16L
BGHLBA	03/16/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	95.5 J	MG/KG	II	1.5	2	16L
BGHLBA	03/16/1998	8515	{ND on all 1} analytes			II	1.5	2	16L
BGHLBA	03/16/1998	CRRSCT	{ND on all 1} analytes			II	1.5	2	16L
BGHLBA	03/16/1998	CYAN	{ND on all 1} analytes			II	1.5	2	16L
BGHLBA	03/16/1998	IM40HG	{ND on all 1} analytes			II	1.5	2	16L
BGHLBA	03/16/1998	IM40MB	ALUMINUM	8160	MG/KG	II	1.5	2	16L
BGHLBA	03/16/1998	IM40MB	ARSENIC	3.6	MG/KG	II	1.5	2	16L
BGHLBA	03/16/1998	IM40MB	BARIUM	14.6	MG/KG	II	1.5	2	16L
BGHLBA	03/16/1998	IM40MB	BERYLLIUM	0.28	MG/KG	II	1.5	2	16L
BGHLBA	03/16/1998	IM40MB	CALCIUM	68	MG/KG	II	1.5	2	16L

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC		UNITS	VALLEVE	SBD	SED	LOCID
BGHLBA	03/16/1998	IM40MB	CHROMIUM, TOTAL	10.4		MG/KG	II	1.5	2	16L
BGHLBA	03/16/1998	IM40MB	COBALT	3.5		MG/KG	II	1.5	2	16L
BGHLBA	03/16/1998	IM40MB	COPPER	4.5		MG/KG	II	1.5	2	16L
BGHLBA	03/16/1998	IM40MB	IRON	9920		MG/KG	II	1.5	2	16L
BGHLBA	03/16/1998	IM40MB	LEAD	5.7		MG/KG	II	1.5	2	16L
BGHLBA	03/16/1998	IM40MB	MAGNESIUM	1440		MG/KG	II	1.5	2	16L
BGHLBA	03/16/1998	IM40MB	MANGANESE	62.5	J	MG/KG	II	1.5	2	16L
BGHLBA	03/16/1998	IM40MB	NICKEL	6.1		MG/KG	II	1.5	2	16L
BGHLBA	03/16/1998	IM40MB	POTASSIUM	446		MG/KG	II	1.5	2	16L
BGHLBA	03/16/1998	IM40MB	VANADIUM	15.3		MG/KG	II	1.5	2	16L
BGHLBA	03/16/1998	IM40MB	ZINC	16.4	J	MG/KG	II	1.5	2	16L
BGHLBA	06/30/1998	OM31V	{ND on all 33} analytes				II	1.5	2	16L
BGHMAA	01/22/1998	350.2M	NITROGEN, AMMONIA (AS N)	10.3		MG/KG	II	0	0.5	16M
BGHMAA	01/22/1998	353.2M	NITRATE/NITRITE (AS N)	0.05	J	MG/KG	II	0	0.5	16M
BGHMAA	01/22/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	87.5	J	MG/KG	II	0	0.5	16M
BGHMAA	01/22/1998	8151	MCPA	29000	NJ	UG/KG	II	0	0.5	16M
BGHMAA	01/22/1998	8330N	{ND on all 19} analytes				II	0	0.5	16M
BGHMAA	01/22/1998	8515	{ND on all 1} analytes				II	0	0.5	16M
BGHMAA	01/22/1998	CRRSCT	TNT/DNT	1.2		MG/KG	II	0	0.5	16M
BGHMAA	01/22/1998	CYAN	{ND on all 1} analytes				II	0	0.5	16M
BGHMAA	01/22/1998	IM40HG	{ND on all 1} analytes				II	0	0.5	16M
BGHMAA	01/22/1998	IM40MB	ALUMINUM	12300		MG/KG	II	0	0.5	16M
BGHMAA	01/22/1998	IM40MB	ARSENIC	3.9		MG/KG	II	0	0.5	16M
BGHMAA	01/22/1998	IM40MB	BARIUM	12.2		MG/KG	II	0	0.5	16M
BGHMAA	01/22/1998	IM40MB	BERYLLIUM	0.17		MG/KG	II	0	0.5	16M
BGHMAA	01/22/1998	IM40MB	BORON	20.6		MG/KG	II	0	0.5	16M
BGHMAA	01/22/1998	IM40MB	CADMIUM	0.26		MG/KG	II	0	0.5	16M
BGHMAA	01/22/1998	IM40MB	CALCIUM	93.5		MG/KG	II	0	0.5	16M
BGHMAA	01/22/1998	IM40MB	CHROMIUM, TOTAL	12	J	MG/KG	II	0	0.5	16M
BGHMAA	01/22/1998	IM40MB	COBALT	1.9		MG/KG	II	0	0.5	16M
BGHMAA	01/22/1998	IM40MB	COPPER	5		MG/KG	II	0	0.5	16M
BGHMAA	01/22/1998	IM40MB	IRON	12700	J	MG/KG	II	0	0.5	16M
BGHMAA	01/22/1998	IM40MB	LEAD	11.3	J	MG/KG	II	0	0.5	16M
BGHMAA	01/22/1998	IM40MB	MAGNESIUM	599		MG/KG	II	0	0.5	16M
BGHMAA	01/22/1998	IM40MB	MANGANESE	28.5		MG/KG	II	0	0.5	16M
BGHMAA	01/22/1998	IM40MB	MOLYBDENUM	0.81	J	MG/KG	II	0	0.5	16M
BGHMAA	01/22/1998	IM40MB	NICKEL	4.3		MG/KG	II	0	0.5	16M
BGHMAA	01/22/1998	IM40MB	POTASSIUM	221		MG/KG	II	0	0.5	16M
BGHMAA	01/22/1998	IM40MB	VANADIUM	20.4		MG/KG	II	0	0.5	16M
BGHMAA	01/22/1998	IM40MB	ZINC	15.5	J	MG/KG	II	0	0.5	16M
BGHMAA	01/22/1998	OM31B	2,4-DINITROTOLUENE	600		UG/KG	II	0	0.5	16M
BGHMAA	01/22/1998	OM31B	2,6-DINITROTOLUENE	29	J	UG/KG	II	0	0.5	16M
BGHMAA	01/22/1998	OM31B	DI-N-BUTYL PHTHALATE	1100	J	UG/KG	II	0	0.5	16M
BGHMAA	01/22/1998	OM31B	N-NITROSODIPHENYLAMINE	110	J	UG/KG	II	0	0.5	16M
BGHMAA	01/22/1998	OM31P	{ND on all 28} analytes				II	0	0.5	16M
BGHMAA	01/22/1998	OM31V	{ND on all 33} analytes				II	0	0.5	16M
BGHMAA	01/22/1998	8021S	{ND on all 1} analytes				II	0	0.5	16M
BGHMAD	01/22/1998	350.2M	NITROGEN, AMMONIA (AS N)	3.85	J	MG/KG	II	0	0.5	16M
BGHMAD	01/22/1998	353.2M	NITRATE/NITRITE (AS N)	0.05	J	MG/KG	II	0	0.5	16M
BGHMAD	01/22/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	74.8	J	MG/KG	II	0	0.5	16M
BGHMAD	01/22/1998	8151	MCPA	9300	NJ	UG/KG	II	0	0.5	16M
BGHMAD	01/22/1998	8330N	{ND on all 19} analytes				II	0	0.5	16M
BGHMAD	01/22/1998	8515	{ND on all 1} analytes				II	0	0.5	16M
BGHMAD	01/22/1998	CRRSCT	TNT/DNT	1.5		MG/KG	II	0	0.5	16M
BGHMAD	01/22/1998	CYAN	{ND on all 1} analytes				II	0	0.5	16M
BGHMAD	01/22/1998	IM40HG	{ND on all 1} analytes				II	0	0.5	16M

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVEL	SBD	SED	LOCID
BGHMAD	01/22/1998	IM40MB	ALUMINUM	11500	MG/KG	II	0	0.5	16M
BGHMAD	01/22/1998	IM40MB	ARSENIC	3.3	MG/KG	II	0	0.5	16M
BGHMAD	01/22/1998	IM40MB	BARIUM	10.1	MG/KG	II	0	0.5	16M
BGHMAD	01/22/1998	IM40MB	BERYLLIUM	0.11 J	MG/KG	II	0	0.5	16M
BGHMAD	01/22/1998	IM40MB	BORON	17.3	MG/KG	II	0	0.5	16M
BGHMAD	01/22/1998	IM40MB	CADMIUM	0.21	MG/KG	II	0	0.5	16M
BGHMAD	01/22/1998	IM40MB	CALCIUM	54.1	MG/KG	II	0	0.5	16M
BGHMAD	01/22/1998	IM40MB	CHROMIUM, TOTAL	10.9 J	MG/KG	II	0	0.5	16M
BGHMAD	01/22/1998	IM40MB	COBALT	1.6	MG/KG	II	0	0.5	16M
BGHMAD	01/22/1998	IM40MB	COPPER	5.1	MG/KG	II	0	0.5	16M
BGHMAD	01/22/1998	IM40MB	IRON	12600 J	MG/KG	II	0	0.5	16M
BGHMAD	01/22/1998	IM40MB	LEAD	9.1 J	MG/KG	II	0	0.5	16M
BGHMAD	01/22/1998	IM40MB	MAGNESIUM	514	MG/KG	II	0	0.5	16M
BGHMAD	01/22/1998	IM40MB	MANGANESE	24.9	MG/KG	II	0	0.5	16M
BGHMAD	01/22/1998	IM40MB	MOLYBDENUM	1 J	MG/KG	II	0	0.5	16M
BGHMAD	01/22/1998	IM40MB	NICKEL	3.5	MG/KG	II	0	0.5	16M
BGHMAD	01/22/1998	IM40MB	POTASSIUM	179 J	MG/KG	II	0	0.5	16M
BGHMAD	01/22/1998	IM40MB	VANADIUM	19.9	MG/KG	II	0	0.5	16M
BGHMAD	01/22/1998	IM40MB	ZINC	13.5 J	MG/KG	II	0	0.5	16M
BGHMAD	01/22/1998	OM31B	BIS(2-ETHYLHEXYL) PHTHALATE	240 J	UG/KG	II	0	0.5	16M
BGHMAD	01/22/1998	OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2,2,2-TRICHLO	2.4 J	UG/KG	II	0	0.5	16M
BGHMAD	01/22/1998	OM31V	ACETONE	14	UG/KG	II	0	0.5	16M
BGHMAD	01/22/1998	OM31V	METHYLENE CHLORIDE	6 J	UG/KG	II	0	0.5	16M
BGHMAD	01/22/1998	8021S	{ND on all 2} analytes			II	0	0.5	16M
BGHMBA	03/16/1998	350.2M	{ND on all 1} analytes			II	1.5	2	16M
BGHMBA	03/16/1998	353.2M	NITRATE/NITRITE (AS N)	0.08 J	MG/KG	II	1.5	2	16M
BGHMBA	03/16/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	47.5 J	MG/KG	II	1.5	2	16M
BGHMBA	03/16/1998	8151	{ND on all 16} analytes			II	1.5	2	16M
BGHMBA	03/16/1998	8330N	{ND on all 19} analytes			II	1.5	2	16M
BGHMBA	03/16/1998	8515	{ND on all 1} analytes			II	1.5	2	16M
BGHMBA	03/16/1998	CRRSCT	TNT/DNT	0.68 J	MG/KG	II	1.5	2	16M
BGHMBA	03/16/1998	CYAN	{ND on all 1} analytes			II	1.5	2	16M
BGHMBA	03/16/1998	IM40HG	{ND on all 1} analytes			II	1.5	2	16M
BGHMBA	03/16/1998	IM40MB	ALUMINUM	11300	MG/KG	II	1.5	2	16M
BGHMBA	03/16/1998	IM40MB	ARSENIC	4.4	MG/KG	II	1.5	2	16M
BGHMBA	03/16/1998	IM40MB	BARIUM	15.9	MG/KG	II	1.5	2	16M
BGHMBA	03/16/1998	IM40MB	BERYLLIUM	0.21	MG/KG	II	1.5	2	16M
BGHMBA	03/16/1998	IM40MB	CALCIUM	60.5	MG/KG	II	1.5	2	16M
BGHMBA	03/16/1998	IM40MB	CHROMIUM, TOTAL	13.2	MG/KG	II	1.5	2	16M
BGHMBA	03/16/1998	IM40MB	COBALT	3.4	MG/KG	II	1.5	2	16M
BGHMBA	03/16/1998	IM40MB	COPPER	3.9	MG/KG	II	1.5	2	16M
BGHMBA	03/16/1998	IM40MB	IRON	12800	MG/KG	II	1.5	2	16M
BGHMBA	03/16/1998	IM40MB	LEAD	7.1	MG/KG	II	1.5	2	16M
BGHMBA	03/16/1998	IM40MB	MAGNESIUM	1360	MG/KG	II	1.5	2	16M
BGHMBA	03/16/1998	IM40MB	MANGANESE	58.8 J	MG/KG	II	1.5	2	16M
BGHMBA	03/16/1998	IM40MB	MOLYBDENUM	0.49 J	MG/KG	II	1.5	2	16M
BGHMBA	03/16/1998	IM40MB	NICKEL	6.4	MG/KG	II	1.5	2	16M
BGHMBA	03/16/1998	IM40MB	POTASSIUM	353	MG/KG	II	1.5	2	16M
BGHMBA	03/16/1998	IM40MB	VANADIUM	18.9	MG/KG	II	1.5	2	16M
BGHMBA	03/16/1998	IM40MB	ZINC	17 J	MG/KG	II	1.5	2	16M
BGHMBA	03/16/1998	OM31B	{ND on all 64} analytes			II	1.5	2	16M
BGHMBA	03/16/1998	OM31P	{ND on all 28} analytes			II	1.5	2	16M
BGHMBA	03/16/1998	OM31V	{ND on all 33} analytes			II	1.5	2	16M
HCGHM1AAA	10/15/1999	8330N	{ND on all 19} analytes			II	0	0.5	16M
HCGHM1AAA	10/15/1999	OM31B	BIS(2-ETHYLHEXYL) PHTHALATE	33 J	UG/KG	II	0	0.5	16M
HCGHM1AAA	10/15/1999	D2216M	MOISTURE	15.3 *	PERCENT	NV	0	0.5	16M

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVE	SBD	SED	LOCID
HCGHM1BAA	10/15/1999	8330N	{ND on all 19} analytes			II	1.5	2	16M
HCGHM1BAA	10/15/1999	OM31B	{ND on all 64} analytes			II	1.5	2	16M
HCGHM1BAA	10/15/1999	D2216M	MOISTURE	15 *	PERCENT	NV	1.5	2	16M
BGHNAA	02/06/1998	350.2M	{ND on all 1} analytes			II	0	0.5	16N
BGHNAA	02/06/1998	353.2M	NITRATE/NITRITE (AS N)	0.05	MG/KG	II	0	0.5	16N
BGHNAA	02/06/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	60.6 J	MG/KG	II	0	0.5	16N
BGHNAA	02/06/1998	8151	MCPA	5200 NJ	UG/KG	II	0	0.5	16N
BGHNAA	02/06/1998	8515	{ND on all 1} analytes			II	0	0.5	16N
BGHNAA	02/06/1998	CRRSCT	{ND on all 1} analytes			II	0	0.5	16N
BGHNAA	02/06/1998	CYAN	{ND on all 1} analytes			II	0	0.5	16N
BGHNAA	02/06/1998	IM40HG	{ND on all 1} analytes			II	0	0.5	16N
BGHNAA	02/06/1998	IM40MB	ALUMINUM	2850	MG/KG	II	0	0.5	16N
BGHNAA	02/06/1998	IM40MB	ARSENIC	1.2 J	MG/KG	II	0	0.5	16N
BGHNAA	02/06/1998	IM40MB	BARIUM	3.9	MG/KG	II	0	0.5	16N
BGHNAA	02/06/1998	IM40MB	BERYLLIUM	0.09	MG/KG	II	0	0.5	16N
BGHNAA	02/06/1998	IM40MB	CALCIUM	32 J	MG/KG	II	0	0.5	16N
BGHNAA	02/06/1998	IM40MB	CHROMIUM, TOTAL	2.2 J	MG/KG	II	0	0.5	16N
BGHNAA	02/06/1998	IM40MB	COBALT	1.3	MG/KG	II	0	0.5	16N
BGHNAA	02/06/1998	IM40MB	COPPER	2.8	MG/KG	II	0	0.5	16N
BGHNAA	02/06/1998	IM40MB	IRON	3630	MG/KG	II	0	0.5	16N
BGHNAA	02/06/1998	IM40MB	LEAD	5.6	MG/KG	II	0	0.5	16N
BGHNAA	02/06/1998	IM40MB	MAGNESIUM	371	MG/KG	II	0	0.5	16N
BGHNAA	02/06/1998	IM40MB	MANGANESE	36.1	MG/KG	II	0	0.5	16N
BGHNAA	02/06/1998	IM40MB	MOLYBDENUM	0.31 J	MG/KG	II	0	0.5	16N
BGHNAA	02/06/1998	IM40MB	NICKEL	2.4	MG/KG	II	0	0.5	16N
BGHNAA	02/06/1998	IM40MB	POTASSIUM	166	MG/KG	II	0	0.5	16N
BGHNAA	02/06/1998	IM40MB	VANADIUM	6.5	MG/KG	II	0	0.5	16N
BGHNAA	02/06/1998	IM40MB	ZINC	5.6	MG/KG	II	0	0.5	16N
BGHNAA	02/06/1998	OM31B	{ND on all 64} analytes			II	0	0.5	16N
BGHNAA	02/06/1998	OM31P	{ND on all 28} analytes			II	0	0.5	16N
BGHNAA	02/06/1998	OM31V	ACETONE	140 J	UG/KG	II	0	0.5	16N
BGHNAA	02/06/1998	8021S	{ND on all 1} analytes			II	0	0.5	16N
BGHNBA	03/20/1998	350.2M	NITROGEN, AMMONIA (AS N)	3.5 J	MG/KG	II	1.5	2	16N
BGHNBA	03/20/1998	353.2M	NITRATE/NITRITE (AS N)	0.04	MG/KG	II	1.5	2	16N
BGHNBA	03/20/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	199	MG/KG	II	1.5	2	16N
BGHNBA	03/20/1998	8151	MCPA	6700 NJ	UG/KG	II	1.5	2	16N
BGHNBA	03/20/1998	8151	MCPP	52000	UG/KG	II	1.5	2	16N
BGHNBA	03/20/1998	8515	{ND on all 1} analytes			II	1.5	2	16N
BGHNBA	03/20/1998	CRRSCT	{ND on all 1} analytes			II	1.5	2	16N
BGHNBA	03/20/1998	CYAN	{ND on all 1} analytes			II	1.5	2	16N
BGHNBA	03/20/1998	IM40HG	{ND on all 1} analytes			II	1.5	2	16N
BGHNBA	03/20/1998	IM40MB	ALUMINUM	6910	MG/KG	II	1.5	2	16N
BGHNBA	03/20/1998	IM40MB	ARSENIC	2.4	MG/KG	II	1.5	2	16N
BGHNBA	03/20/1998	IM40MB	BARIUM	8.6	MG/KG	II	1.5	2	16N
BGHNBA	03/20/1998	IM40MB	BERYLLIUM	0.2	MG/KG	II	1.5	2	16N
BGHNBA	03/20/1998	IM40MB	CALCIUM	58.6	MG/KG	II	1.5	2	16N
BGHNBA	03/20/1998	IM40MB	CHROMIUM, TOTAL	7.4	MG/KG	II	1.5	2	16N
BGHNBA	03/20/1998	IM40MB	COBALT	2.5	MG/KG	II	1.5	2	16N
BGHNBA	03/20/1998	IM40MB	COPPER	3.4	MG/KG	II	1.5	2	16N
BGHNBA	03/20/1998	IM40MB	IRON	8000	MG/KG	II	1.5	2	16N
BGHNBA	03/20/1998	IM40MB	LEAD	5.7	MG/KG	II	1.5	2	16N
BGHNBA	03/20/1998	IM40MB	MAGNESIUM	774	MG/KG	II	1.5	2	16N
BGHNBA	03/20/1998	IM40MB	MANGANESE	56.1	MG/KG	II	1.5	2	16N
BGHNBA	03/20/1998	IM40MB	MOLYBDENUM	0.45 J	MG/KG	II	1.5	2	16N
BGHNBA	03/20/1998	IM40MB	NICKEL	4 J	MG/KG	II	1.5	2	16N
BGHNBA	03/20/1998	IM40MB	POTASSIUM	275	MG/KG	II	1.5	2	16N

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVE	SBD	SED	LOCID
BGHNBA	03/20/1998	IM40MB	VANADIUM	12.8	MG/KG	II	1.5	2	16N
BGHNBA	03/20/1998	IM40MB	ZINC	11.2	MG/KG	II	1.5	2	16N
BGHNBA	03/20/1998	OM31B	{ND on all 64} analytes			II	1.5	2	16N
BGHNBA	03/20/1998	OM31P	{ND on all 28} analytes			II	1.5	2	16N
BGHNBA	06/30/1998	OM31V	{ND on all 33} analytes			II	1.5	2	16N
BGHOAA	02/06/1998	350.2M	NITROGEN, AMMONIA (AS N)	6.7	MG/KG	II	0	0.5	16O
BGHOAA	02/06/1998	353.2M	NITRATE/NITRITE (AS N)	0.07	MG/KG	II	0	0.5	16O
BGHOAA	02/06/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	94.9 J	MG/KG	II	0	0.5	16O
BGHOAA	02/06/1998	8151	{ND on all 16} analytes			II	0	0.5	16O
BGHOAA	02/06/1998	8330N	{ND on all 19} analytes			II	0	0.5	16O
BGHOAA	02/06/1998	8515	{ND on all 1} analytes			II	0	0.5	16O
BGHOAA	02/06/1998	CRRSCT	TNT/DNT	1.7	MG/KG	II	0	0.5	16O
BGHOAA	02/06/1998	CYAN	{ND on all 1} analytes			II	0	0.5	16O
BGHOAA	02/06/1998	IM40HG	{ND on all 1} analytes			II	0	0.5	16O
BGHOAA	02/06/1998	IM40MB	ALUMINUM	10600	MG/KG	II	0	0.5	16O
BGHOAA	02/06/1998	IM40MB	ARSENIC	3.1	MG/KG	II	0	0.5	16O
BGHOAA	02/06/1998	IM40MB	BARIUM	7.1	MG/KG	II	0	0.5	16O
BGHOAA	02/06/1998	IM40MB	BERYLLIUM	0.16	MG/KG	II	0	0.5	16O
BGHOAA	02/06/1998	IM40MB	CALCIUM	46 J	MG/KG	II	0	0.5	16O
BGHOAA	02/06/1998	IM40MB	CHROMIUM, TOTAL	6.5 J	MG/KG	II	0	0.5	16O
BGHOAA	02/06/1998	IM40MB	COBALT	1.1	MG/KG	II	0	0.5	16O
BGHOAA	02/06/1998	IM40MB	COPPER	2.1	MG/KG	II	0	0.5	16O
BGHOAA	02/06/1998	IM40MB	IRON	12500	MG/KG	II	0	0.5	16O
BGHOAA	02/06/1998	IM40MB	LEAD	6.3	MG/KG	II	0	0.5	16O
BGHOAA	02/06/1998	IM40MB	MAGNESIUM	237	MG/KG	II	0	0.5	16O
BGHOAA	02/06/1998	IM40MB	MANGANESE	14.4	MG/KG	II	0	0.5	16O
BGHOAA	02/06/1998	IM40MB	MOLYBDENUM	0.68	MG/KG	II	0	0.5	16O
BGHOAA	02/06/1998	IM40MB	NICKEL	3.2	MG/KG	II	0	0.5	16O
BGHOAA	02/06/1998	IM40MB	POTASSIUM	197	MG/KG	II	0	0.5	16O
BGHOAA	02/06/1998	IM40MB	THALLIUM	1.6 J	MG/KG	II	0	0.5	16O
BGHOAA	02/06/1998	IM40MB	VANADIUM	20.2	MG/KG	II	0	0.5	16O
BGHOAA	02/06/1998	IM40MB	ZINC	8.4	MG/KG	II	0	0.5	16O
BGHOAA	02/06/1998	OM31B	BIS(2-ETHYLHEXYL) PHTHALATE	110 J	UG/KG	II	0	0.5	16O
BGHOAA	02/06/1998	OM31P	{ND on all 28} analytes			II	0	0.5	16O
BGHOAA	02/06/1998	8021S	{ND on all 2} analytes			II	0	0.5	16O
BGHOAA	02/06/1998	OM31V	{ND on all 33} analytes			II	0	0.5	16O
BGHOAA	04/27/1998	350.2M	NITROGEN, AMMONIA (AS N)	9.9 J	MG/KG	II	0	0.5	16O
BGHOAA	04/27/1998	353.2M	NITRATE/NITRITE (AS N)	0.05 J	MG/KG	II	0	0.5	16O
BGHOAA	04/27/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	108	MG/KG	II	0	0.5	16O
BGHOAA	04/27/1998	8151	MCPA	7500 NJ	UG/KG	II	0	0.5	16O
BGHOAA	04/27/1998	8330N	{ND on all 19} analytes			II	0	0.5	16O
BGHOAA	04/27/1998	8515	{ND on all 1} analytes			II	0	0.5	16O
BGHOAA	04/27/1998	CRRSCT	TNT/DNT	0.86 J	MG/KG	II	0	0.5	16O
BGHOAA	04/27/1998	CYAN	{ND on all 1} analytes			II	0	0.5	16O
BGHOAA	04/27/1998	IM40HG	{ND on all 1} analytes			II	0	0.5	16O
BGHOAA	04/27/1998	IM40MB	ALUMINUM	9840	MG/KG	II	0	0.5	16O
BGHOAA	04/27/1998	IM40MB	BARIUM	5.1	MG/KG	II	0	0.5	16O
BGHOAA	04/27/1998	IM40MB	BERYLLIUM	0.16	MG/KG	II	0	0.5	16O
BGHOAA	04/27/1998	IM40MB	BORON	1.4 J	MG/KG	II	0	0.5	16O
BGHOAA	04/27/1998	IM40MB	CALCIUM	63.5 J	MG/KG	II	0	0.5	16O
BGHOAA	04/27/1998	IM40MB	CHROMIUM, TOTAL	8.6	MG/KG	II	0	0.5	16O
BGHOAA	04/27/1998	IM40MB	COPPER	1.7	MG/KG	II	0	0.5	16O
BGHOAA	04/27/1998	IM40MB	IRON	8840	MG/KG	II	0	0.5	16O
BGHOAA	04/27/1998	IM40MB	LEAD	6.6	MG/KG	II	0	0.5	16O
BGHOAA	04/27/1998	IM40MB	MAGNESIUM	392	MG/KG	II	0	0.5	16O
BGHOAA	04/27/1998	IM40MB	MANGANESE	23.1	MG/KG	II	0	0.5	16O

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVE	SBD	SED	LOCID
BGHOAA	04/27/1998	IM40MB	MOLYBDENUM	0.9	MG/KG	II	0	0.5	16O
BGHOAA	04/27/1998	IM40MB	NICKEL	3.4	MG/KG	II	0	0.5	16O
BGHOAA	04/27/1998	IM40MB	POTASSIUM	89.5 J	MG/KG	II	0	0.5	16O
BGHOAA	04/27/1998	IM40MB	VANADIUM	14.1	MG/KG	II	0	0.5	16O
BGHOAA	04/27/1998	IM40MB	ZINC	8.3	MG/KG	II	0	0.5	16O
BGHOAA	04/27/1998	OM31B	{ND on all 64} analytes			II	0	0.5	16O
BGHOAA	04/27/1998	OM31P	DDE (1,1-BIS(CHLOROPHENYL)-2,2-DICHLOROE	2.1 J	UG/KG	II	0	0.5	16O
BGHOAA	04/27/1998	OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2,2,2-TRICHLO	7.7	UG/KG	II	0	0.5	16O
BGHOAA	04/27/1998	OM31V	{ND on all 33} analytes			II	0	0.5	16O
BGHOAA	04/27/1998	8021S	{ND on all 2} analytes			II	0	0.5	16O
BGHOBA	04/27/1998	350.2M	NITROGEN, AMMONIA (AS N)	2.8 J	MG/KG	II	1.5	2	16O
BGHOBA	04/27/1998	353.2M	NITRATE/NITRITE (AS N)	0.02 J	MG/KG	II	1.5	2	16O
BGHOBA	04/27/1998	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	81.3	MG/KG	II	1.5	2	16O
BGHOBA	04/27/1998	8021S	{ND on all 2} analytes			II	1.5	2	16O
BGHOBA	04/27/1998	8151	{ND on all 16} analytes			II	1.5	2	16O
BGHOBA	04/27/1998	8330N	{ND on all 19} analytes			II	1.5	2	16O
BGHOBA	04/27/1998	8515	{ND on all 1} analytes			II	1.5	2	16O
BGHOBA	04/27/1998	CRRSCT	TNT/DNT	0.71 J	MG/KG	II	1.5	2	16O
BGHOBA	04/27/1998	CYAN	{ND on all 1} analytes			II	1.5	2	16O
BGHOBA	04/27/1998	IM40HG	{ND on all 1} analytes			II	1.5	2	16O
BGHOBA	04/27/1998	IM40MB	ALUMINUM	7950	MG/KG	II	1.5	2	16O
BGHOBA	04/27/1998	IM40MB	BARIUM	7	MG/KG	II	1.5	2	16O
BGHOBA	04/27/1998	IM40MB	BERYLLIUM	0.19	MG/KG	II	1.5	2	16O
BGHOBA	04/27/1998	IM40MB	CHROMIUM, TOTAL	8.4	MG/KG	II	1.5	2	16O
BGHOBA	04/27/1998	IM40MB	COBALT	1.3 J	MG/KG	II	1.5	2	16O
BGHOBA	04/27/1998	IM40MB	COPPER	2	MG/KG	II	1.5	2	16O
BGHOBA	04/27/1998	IM40MB	IRON	7460	MG/KG	II	1.5	2	16O
BGHOBA	04/27/1998	IM40MB	LEAD	3.6	MG/KG	II	1.5	2	16O
BGHOBA	04/27/1998	IM40MB	MAGNESIUM	945	MG/KG	II	1.5	2	16O
BGHOBA	04/27/1998	IM40MB	MANGANESE	46.4	MG/KG	II	1.5	2	16O
BGHOBA	04/27/1998	IM40MB	MOLYBDENUM	0.71	MG/KG	II	1.5	2	16O
BGHOBA	04/27/1998	IM40MB	NICKEL	4.2	MG/KG	II	1.5	2	16O
BGHOBA	04/27/1998	IM40MB	POTASSIUM	162	MG/KG	II	1.5	2	16O
BGHOBA	04/27/1998	IM40MB	VANADIUM	10	MG/KG	II	1.5	2	16O
BGHOBA	04/27/1998	IM40MB	ZINC	10.1	MG/KG	II	1.5	2	16O
BGHOBA	04/27/1998	OM31B	{ND on all 64} analytes			II	1.5	2	16O
BGHOBA	04/27/1998	OM31P	{ND on all 28} analytes			II	1.5	2	16O
BGHOBA	04/27/1998	OM31V	{ND on all 33} analytes			II	1.5	2	16O
HCGHP1AAA	10/15/1999	8330N	{ND on all 19} analytes			II	0	0.5	16P
HCGHP1AAA	10/15/1999	OM31B	2,4-DINITROTOLUENE	180 J	UG/KG	II	0	0.5	16P
HCGHP1AAA	10/15/1999	OM31B	DI-N-BUTYL PHTHALATE	490	UG/KG	II	0	0.5	16P
HCGHP1AAA	10/15/1999	OM31B	N-NITROSODIPHENYLAMINE	25 J	UG/KG	II	0	0.5	16P
HCGHP1AAA	10/15/1999	D2216M	MOISTURE	18.1 *	PERCENT	NV	0	0.5	16P
HCGHP1BAA	10/15/1999	8330N	{ND on all 19} analytes			II	1.5	2	16P
HCGHP1BAA	10/15/1999	OM31B	{ND on all 64} analytes			II	1.5	2	16P
HCGHP1BAA	10/15/1999	D2216M	MOISTURE	13.4 *	PERCENT	NV	1.5	2	16P
HDGHP1AAA	10/15/1999	8330N	{ND on all 19} analytes			II	0	0.5	16P
HDGHP1AAA	10/15/1999	OM31B	2,4-DINITROTOLUENE	230 J	UG/KG	II	0	0.5	16P
HDGHP1AAA	10/15/1999	OM31B	DI-N-BUTYL PHTHALATE	320 J	UG/KG	II	0	0.5	16P
HDGHP1AAA	10/15/1999	OM31B	N-NITROSODIPHENYLAMINE	33 J	UG/KG	II	0	0.5	16P
HDGHP1AAA	10/15/1999	D2216M	MOISTURE	16.3 *	PERCENT	NV	0	0.5	16P
HDGHP1BAA	10/15/1999	8330N	{ND on all 19} analytes			II	1.5	2	16P
HDGHP1BAA	10/15/1999	OM31B	{ND on all 64} analytes			II	1.5	2	16P
HDGHP1BAA	10/15/1999	D2216M	MOISTURE	14.6 *	PERCENT	NV	1.5	2	16P
HDGHP2AAA	10/15/1999	8330N	{ND on all 19} analytes			II	0	0.5	16P
HDGHP2AAA	10/15/1999	OM31B	BIS(2-ETHYLHEXYL) PHTHALATE	320 J	UG/KG	II	0	0.5	16P

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVE	SBD	SED	LOCID
HDGHP2AAA	10/15/1999	D2216M	MOISTURE	16.2 *	PERCENT	NV	0	0.5	16P
HDGHP2BAA	10/15/1999	8330N	{ND on all 19} analytes			II	1.5	2	16P
HDGHP2BAA	10/15/1999	OM31B	2,4-DINITROTOLUENE	320 J	UG/KG	II	1.5	2	16P
HDGHP2BAA	10/15/1999	OM31B	DI-N-BUTYL PHTHALATE	510	UG/KG	II	1.5	2	16P
HDGHP2BAA	10/15/1999	OM31B	N-NITROSODIPHENYLAMINE	51 J	UG/KG	II	1.5	2	16P
HDGHP2BAA	10/15/1999	D2216M	MOISTURE	15.7 *	PERCENT	NV	1.5	2	16P
HDGHP3AAA	10/15/1999	8330N	{ND on all 19} analytes			II	0	0.5	16P
HDGHP3AAA	10/15/1999	OM31B	{ND on all 64} analytes			II	0	0.5	16P
HDGHP3AAA	10/15/1999	D2216M	MOISTURE	15.6 *	PERCENT	NV	0	0.5	16P
HDGHP3BAA	10/15/1999	8330N	{ND on all 19} analytes			II	1.5	2	16P
HDGHP3BAA	10/15/1999	OM31B	{ND on all 64} analytes			II	1.5	2	16P
HDGHP3BAA	10/15/1999	D2216M	MOISTURE	13.9 *	PERCENT	NV	1.5	2	16P
HDGHP4AAA	10/15/1999	8330N	{ND on all 19} analytes			II	0	0.5	16P
HDGHP4AAA	10/15/1999	OM31B	{ND on all 64} analytes			II	0	0.5	16P
HDGHP4AAA	10/15/1999	D2216M	MOISTURE	14.4 *	PERCENT	NV	0	0.5	16P
HDGHP4BAA	10/15/1999	8330N	{ND on all 19} analytes			II	1.5	2	16P
HDGHP4BAA	10/15/1999	OM31B	{ND on all 64} analytes			II	1.5	2	16P
HDGHP4BAA	10/15/1999	D2216M	MOISTURE	14 *	PERCENT	NV	1.5	2	16P
HDGHP5AAA	10/15/1999	8330N	{ND on all 19} analytes			II	0	0.5	16P
HDGHP5AAA	10/15/1999	OM31B	{ND on all 64} analytes			II	0	0.5	16P
HDGHP5AAA	10/15/1999	D2216M	MOISTURE	15.5 *	PERCENT	NV	0	0.5	16P
HDGHP5BAA	10/15/1999	8330N	{ND on all 19} analytes			II	1.5	2	16P
HDGHP5BAA	10/15/1999	OM31B	{ND on all 64} analytes			II	1.5	2	16P
HDGHP5BAA	10/15/1999	D2216M	MOISTURE	14 *	PERCENT	NV	1.5	2	16P
HCGHO1AAA	10/15/1999	8330N	{ND on all 19} analytes			II	0	0.5	16Q
HCGHO1AAA	10/15/1999	OM31B	2,4-DINITROTOLUENE	140 J	UG/KG	II	0	0.5	16Q
HCGHO1AAA	10/15/1999	OM31B	BIS(2-ETHYLHEXYL) PHTHALATE	52 J	UG/KG	II	0	0.5	16Q
HCGHO1AAA	10/15/1999	OM31B	DI-N-BUTYL PHTHALATE	280 J	UG/KG	II	0	0.5	16Q
HCGHO1AAA	10/15/1999	D2216M	MOISTURE	18.9 *	PERCENT	NV	0	0.5	16Q
HCGHO1BAA	10/15/1999	8330N	{ND on all 19} analytes			II	1.5	2	16Q
HCGHO1BAA	10/15/1999	OM31B	BIS(2-ETHYLHEXYL) PHTHALATE	20 J	UG/KG	II	1.5	2	16Q
HCGHO1BAA	10/15/1999	D2216M	MOISTURE	15 *	PERCENT	NV	1.5	2	16Q
HDGHO1AAA	10/15/1999	8330N	{ND on all 19} analytes			II	0	0.5	16Q
HDGHO1AAA	10/15/1999	OM31B	{ND on all 64} analytes			II	0	0.5	16Q
HDGHO1AAA	10/15/1999	D2216M	MOISTURE	16 *	PERCENT	NV	0	0.5	16Q
HDGHO1BAA	10/15/1999	8330N	{ND on all 19} analytes			II	1.5	2	16Q
HDGHO1BAA	10/15/1999	OM31B	BIS(2-ETHYLHEXYL) PHTHALATE	66 J	UG/KG	II	1.5	2	16Q
HDGHO1BAA	10/15/1999	D2216M	MOISTURE	15.3 *	PERCENT	NV	1.5	2	16Q
HDGHO2AAA	10/15/1999	8330N	{ND on all 19} analytes			II	0	0.5	16Q
HDGHO2AAA	10/15/1999	OM31B	BIS(2-ETHYLHEXYL) PHTHALATE	22 J	UG/KG	II	0	0.5	16Q
HDGHO2AAA	10/15/1999	D2216M	MOISTURE	16.1 *	PERCENT	NV	0	0.5	16Q
HDGHO2BAA	10/15/1999	8330N	{ND on all 19} analytes			II	1.5	2	16Q
HDGHO2BAA	10/15/1999	OM31B	{ND on all 64} analytes			II	1.5	2	16Q
HDGHO2BAA	10/15/1999	D2216M	MOISTURE	15.3 *	PERCENT	NV	1.5	2	16Q
HDGHO3AAA	10/15/1999	8330N	{ND on all 19} analytes			II	0	0.5	16Q
HDGHO3AAA	10/15/1999	OM31B	{ND on all 64} analytes			II	0	0.5	16Q
HDGHO3AAA	10/15/1999	D2216M	MOISTURE	15 *	PERCENT	NV	0	0.5	16Q
HDGHO3BAA	10/15/1999	8330N	{ND on all 19} analytes			II	1.5	2	16Q
HDGHO3BAA	10/15/1999	OM31B	{ND on all 64} analytes			II	1.5	2	16Q
HDGHO3BAA	10/15/1999	D2216M	MOISTURE	14.8 *	PERCENT	NV	1.5	2	16Q
HDGHO4AAA	10/15/1999	8330N	{ND on all 19} analytes			II	0	0.5	16Q
HDGHO4AAA	10/15/1999	OM31B	{ND on all 64} analytes			II	0	0.5	16Q
HDGHO4AAA	10/15/1999	D2216M	MOISTURE	14.6 *	PERCENT	NV	0	0.5	16Q
HDGHO4BAA	10/15/1999	8330N	{ND on all 19} analytes			II	1.5	2	16Q
HDGHO4BAA	10/15/1999	OM31B	BIS(2-ETHYLHEXYL) PHTHALATE	210 J	UG/KG	II	1.5	2	16Q
HDGHO4BAA	10/15/1999	D2216M	MOISTURE	15.4 *	PERCENT	NV	1.5	2	16Q

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVE	SBD	SED	LOCID
HDGHO5AAA	10/15/1999	8330N	{ND on all 19} analytes			II	0	0.5	16Q
HDGHO5AAA	10/15/1999	OM31B	BIS(2-ETHYLHEXYL) PHTHALATE	30 J	UG/KG	II	0	0.5	16Q
HDGHO5AAA	10/15/1999	D2216M	MOISTURE	18.2 *	PERCENT	NV	0	0.5	16Q
HDGHO5AAD	10/15/1999	8330N	{ND on all 19} analytes			II	0	0.5	16Q
HDGHO5AAD	10/15/1999	OM31B	DI-N-BUTYL PHTHALATE	97 J	UG/KG	II	0	0.5	16Q
HDGHO5AAD	10/15/1999	D2216M	MOISTURE	17.6 *	PERCENT	NV	0	0.5	16Q
HDGHO5BAA	10/15/1999	8330N	{ND on all 19} analytes			II	1.5	2	16Q
HDGHO5BAA	10/15/1999	OM31B	{ND on all 64} analytes			II	1.5	2	16Q
HDGHO5BAA	10/15/1999	D2216M	MOISTURE	15.1 *	PERCENT	NV	1.5	2	16Q
HC54A1AAA	12/10/1999	350.2M	NITROGEN, AMMONIA (AS N)	5.4 J	MG/KG	II	0	0.5	54A
HC54A1AAA	12/10/1999	353.2M	NITRATE/NITRITE (AS N)	0.21	MG/KG	II	0	0.5	54A
HC54A1AAA	12/10/1999	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	73.7	MG/KG	II	0	0.5	54A
HC54A1AAA	12/10/1999	8151	{ND on all 18} analytes			II	0	0.5	54A
HC54A1AAA	12/10/1999	8260LS	{ND on all 2} analytes			II	0	0.5	54A
HC54A1AAA	12/10/1999	8330N	{ND on all 19} analytes			II	0	0.5	54A
HC54A1AAA	12/10/1999	CYAN	{ND on all 1} analytes			II	0	0.5	54A
HC54A1AAA	12/10/1999	IM40HG	{ND on all 1} analytes			II	0	0.5	54A
HC54A1AAA	12/10/1999	IM40MB	ALUMINUM	6070	MG/KG	II	0	0.5	54A
HC54A1AAA	12/10/1999	IM40MB	ARSENIC	1.1 J	MG/KG	II	0	0.5	54A
HC54A1AAA	12/10/1999	IM40MB	BARIUM	4.3	MG/KG	II	0	0.5	54A
HC54A1AAA	12/10/1999	IM40MB	BORON	3.8	MG/KG	II	0	0.5	54A
HC54A1AAA	12/10/1999	IM40MB	CALCIUM	36.6 J	MG/KG	II	0	0.5	54A
HC54A1AAA	12/10/1999	IM40MB	CHROMIUM, TOTAL	4.4	MG/KG	II	0	0.5	54A
HC54A1AAA	12/10/1999	IM40MB	COBALT	0.8 J	MG/KG	II	0	0.5	54A
HC54A1AAA	12/10/1999	IM40MB	COPPER	3.4	MG/KG	II	0	0.5	54A
HC54A1AAA	12/10/1999	IM40MB	IRON	6020	MG/KG	II	0	0.5	54A
HC54A1AAA	12/10/1999	IM40MB	LEAD	4.7	MG/KG	II	0	0.5	54A
HC54A1AAA	12/10/1999	IM40MB	MAGNESIUM	245	MG/KG	II	0	0.5	54A
HC54A1AAA	12/10/1999	IM40MB	MANGANESE	14.8	MG/KG	II	0	0.5	54A
HC54A1AAA	12/10/1999	IM40MB	NICKEL	0.86 J	MG/KG	II	0	0.5	54A
HC54A1AAA	12/10/1999	IM40MB	VANADIUM	10.7	MG/KG	II	0	0.5	54A
HC54A1AAA	12/10/1999	IM40MB	ZINC	6	MG/KG	II	0	0.5	54A
HC54A1AAA	12/10/1999	OM31B	{ND on all 64} analytes			II	0	0.5	54A
HC54A1AAA	12/10/1999	OM31P	{ND on all 28} analytes			II	0	0.5	54A
HC54A1AAA	12/10/1999	OM31V	ACETONE	46 J	UG/KG	II	0	0.5	54A
HC54A1AAA	12/10/1999	OM31V	METHYL ETHYL KETONE (2-BUTANONE)	3 J	UG/KG	II	0	0.5	54A
HC54A1AAA	12/10/1999	TOC	TOTAL ORGANIC CARBON	1650	MG/KG	II	0	0.5	54A
HC54A1AAA	12/10/1999	D2216M	MOISTURE	8.5 *	PERCENT	NV	0	0.5	54A
HC54A1BAA	12/10/1999	350.2M	NITROGEN, AMMONIA (AS N)	6.6 J	MG/KG	II	1.5	2	54A
HC54A1BAA	12/10/1999	353.2M	NITRATE/NITRITE (AS N)	0.22	MG/KG	II	1.5	2	54A
HC54A1BAA	12/10/1999	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	56.7	MG/KG	II	1.5	2	54A
HC54A1BAA	12/10/1999	8151	{ND on all 18} analytes			II	1.5	2	54A
HC54A1BAA	12/10/1999	8260LS	{ND on all 2} analytes			II	1.5	2	54A
HC54A1BAA	12/10/1999	8330N	{ND on all 19} analytes			II	1.5	2	54A
HC54A1BAA	12/10/1999	CYAN	{ND on all 1} analytes			II	1.5	2	54A
HC54A1BAA	12/10/1999	IM40HG	{ND on all 1} analytes			II	1.5	2	54A
HC54A1BAA	12/10/1999	IM40MB	ALUMINUM	5480	MG/KG	II	1.5	2	54A
HC54A1BAA	12/10/1999	IM40MB	ARSENIC	1.1 J	MG/KG	II	1.5	2	54A
HC54A1BAA	12/10/1999	IM40MB	BARIUM	5.5	MG/KG	II	1.5	2	54A
HC54A1BAA	12/10/1999	IM40MB	BORON	4.2	MG/KG	II	1.5	2	54A
HC54A1BAA	12/10/1999	IM40MB	CALCIUM	32.6 J	MG/KG	II	1.5	2	54A
HC54A1BAA	12/10/1999	IM40MB	CHROMIUM, TOTAL	5.1	MG/KG	II	1.5	2	54A
HC54A1BAA	12/10/1999	IM40MB	COBALT	1.2	MG/KG	II	1.5	2	54A
HC54A1BAA	12/10/1999	IM40MB	COPPER	1.6	MG/KG	II	1.5	2	54A
HC54A1BAA	12/10/1999	IM40MB	IRON	5180	MG/KG	II	1.5	2	54A
HC54A1BAA	12/10/1999	IM40MB	LEAD	4.1	MG/KG	II	1.5	2	54A

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVEL	SBD	SED	LOCID
HC54A1BAA	12/10/1999	IM40MB	MAGNESIUM	431	MG/KG	II	1.5	2	54A
HC54A1BAA	12/10/1999	IM40MB	MANGANESE	22.9	MG/KG	II	1.5	2	54A
HC54A1BAA	12/10/1999	IM40MB	MOLYBDENUM	0.3 J	MG/KG	II	1.5	2	54A
HC54A1BAA	12/10/1999	IM40MB	NICKEL	1.5 J	MG/KG	II	1.5	2	54A
HC54A1BAA	12/10/1999	IM40MB	VANADIUM	8.7	MG/KG	II	1.5	2	54A
HC54A1BAA	12/10/1999	IM40MB	ZINC	7.2	MG/KG	II	1.5	2	54A
HC54A1BAA	12/10/1999	OM31B	{ND on all 64} analytes			II	1.5	2	54A
HC54A1BAA	12/10/1999	OM31P	{ND on all 28} analytes			II	1.5	2	54A
HC54A1BAA	12/10/1999	OM31V	ACETONE	24 J	UG/KG	II	1.5	2	54A
HC54A1BAA	12/10/1999	TOC	{ND on all 1} analytes			II	1.5	2	54A
HC54A1BAA	12/10/1999	D2216M	MOISTURE	8.1 *	PERCENT	NV	1.5	2	54A
HC54B1AAA	12/10/1999	350.2M	NITROGEN, AMMONIA (AS N)	15 J	MG/KG	II	0	0.5	54B
HC54B1AAA	12/10/1999	353.2M	NITRATE/NITRITE (AS N)	1	MG/KG	II	0	0.5	54B
HC54B1AAA	12/10/1999	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	61	MG/KG	II	0	0.5	54B
HC54B1AAA	12/10/1999	8151	{ND on all 18} analytes			II	0	0.5	54B
HC54B1AAA	12/10/1999	8260LS	{ND on all 2} analytes			II	0	0.5	54B
HC54B1AAA	12/10/1999	8330N	{ND on all 19} analytes			II	0	0.5	54B
HC54B1AAA	12/10/1999	CYAN	{ND on all 1} analytes			II	0	0.5	54B
HC54B1AAA	12/10/1999	IM40HG	{ND on all 1} analytes			II	0	0.5	54B
HC54B1AAA	12/10/1999	IM40MB	ALUMINUM	8810	MG/KG	II	0	0.5	54B
HC54B1AAA	12/10/1999	IM40MB	ARSENIC	1.8 J	MG/KG	II	0	0.5	54B
HC54B1AAA	12/10/1999	IM40MB	BARIUM	6.7	MG/KG	II	0	0.5	54B
HC54B1AAA	12/10/1999	IM40MB	BORON	6.7	MG/KG	II	0	0.5	54B
HC54B1AAA	12/10/1999	IM40MB	CALCIUM	38.7 J	MG/KG	II	0	0.5	54B
HC54B1AAA	12/10/1999	IM40MB	CHROMIUM, TOTAL	7.8	MG/KG	II	0	0.5	54B
HC54B1AAA	12/10/1999	IM40MB	COBALT	1.6	MG/KG	II	0	0.5	54B
HC54B1AAA	12/10/1999	IM40MB	COPPER	6.5	MG/KG	II	0	0.5	54B
HC54B1AAA	12/10/1999	IM40MB	IRON	8400	MG/KG	II	0	0.5	54B
HC54B1AAA	12/10/1999	IM40MB	LEAD	8.1	MG/KG	II	0	0.5	54B
HC54B1AAA	12/10/1999	IM40MB	MAGNESIUM	586	MG/KG	II	0	0.5	54B
HC54B1AAA	12/10/1999	IM40MB	MANGANESE	33.3	MG/KG	II	0	0.5	54B
HC54B1AAA	12/10/1999	IM40MB	MOLYBDENUM	0.44 J	MG/KG	II	0	0.5	54B
HC54B1AAA	12/10/1999	IM40MB	NICKEL	3 J	MG/KG	II	0	0.5	54B
HC54B1AAA	12/10/1999	IM40MB	VANADIUM	17.3	MG/KG	II	0	0.5	54B
HC54B1AAA	12/10/1999	IM40MB	ZINC	10.6	MG/KG	II	0	0.5	54B
HC54B1AAA	12/10/1999	OM31B	BIS(2-ETHYLHEXYL) PHTHALATE	18 J	UG/KG	II	0	0.5	54B
HC54B1AAA	12/10/1999	OM31P	{ND on all 28} analytes			II	0	0.5	54B
HC54B1AAA	12/10/1999	OM31V	ACETONE	34 J	UG/KG	II	0	0.5	54B
HC54B1AAA	12/10/1999	TOC	{ND on all 1} analytes			II	0	0.5	54B
HC54B1AAA	12/10/1999	D2216M	MOISTURE	9.5 *	PERCENT	NV	0	0.5	54B
HC54B1BAA	12/10/1999	350.2M	NITROGEN, AMMONIA (AS N)	3.5 J	MG/KG	II	1.5	2	54B
HC54B1BAA	12/10/1999	353.2M	NITRATE/NITRITE (AS N)	0.08	MG/KG	II	1.5	2	54B
HC54B1BAA	12/10/1999	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	64.1	MG/KG	II	1.5	2	54B
HC54B1BAA	12/10/1999	8151	{ND on all 18} analytes			II	1.5	2	54B
HC54B1BAA	12/10/1999	8260LS	{ND on all 2} analytes			II	1.5	2	54B
HC54B1BAA	12/10/1999	8330N	{ND on all 19} analytes			II	1.5	2	54B
HC54B1BAA	12/10/1999	CYAN	{ND on all 1} analytes			II	1.5	2	54B
HC54B1BAA	12/10/1999	IM40HG	{ND on all 1} analytes			II	1.5	2	54B
HC54B1BAA	12/10/1999	IM40MB	ALUMINUM	4760	MG/KG	II	1.5	2	54B
HC54B1BAA	12/10/1999	IM40MB	ARSENIC	1.1 J	MG/KG	II	1.5	2	54B
HC54B1BAA	12/10/1999	IM40MB	BARIUM	7.2	MG/KG	II	1.5	2	54B
HC54B1BAA	12/10/1999	IM40MB	BORON	5	MG/KG	II	1.5	2	54B
HC54B1BAA	12/10/1999	IM40MB	CALCIUM	51.5	MG/KG	II	1.5	2	54B
HC54B1BAA	12/10/1999	IM40MB	CHROMIUM, TOTAL	6.2	MG/KG	II	1.5	2	54B
HC54B1BAA	12/10/1999	IM40MB	COBALT	3.2	MG/KG	II	1.5	2	54B
HC54B1BAA	12/10/1999	IM40MB	COPPER	3.8	MG/KG	II	1.5	2	54B

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVE	SBD	SED	LOCID
HC54B1BAA	12/10/1999	IM40MB	IRON	5850	MG/KG	II	1.5	2	54B
HC54B1BAA	12/10/1999	IM40MB	LEAD	3.7	MG/KG	II	1.5	2	54B
HC54B1BAA	12/10/1999	IM40MB	MAGNESIUM	917	MG/KG	II	1.5	2	54B
HC54B1BAA	12/10/1999	IM40MB	MANGANESE	79.1	MG/KG	II	1.5	2	54B
HC54B1BAA	12/10/1999	IM40MB	MOLYBDENUM	0.41 J	MG/KG	II	1.5	2	54B
HC54B1BAA	12/10/1999	IM40MB	NICKEL	3.3 J	MG/KG	II	1.5	2	54B
HC54B1BAA	12/10/1999	IM40MB	POTASSIUM	381	MG/KG	II	1.5	2	54B
HC54B1BAA	12/10/1999	IM40MB	VANADIUM	8.7	MG/KG	II	1.5	2	54B
HC54B1BAA	12/10/1999	IM40MB	ZINC	10.4	MG/KG	II	1.5	2	54B
HC54B1BAA	12/10/1999	OM31B	{ND on all 64} analytes			II	1.5	2	54B
HC54B1BAA	12/10/1999	OM31P	{ND on all 28} analytes			II	1.5	2	54B
HC54B1BAA	12/10/1999	OM31V	ACETONE	24 J	UG/KG	II	1.5	2	54B
HC54B1BAA	12/10/1999	TOC	{ND on all 1} analytes			II	1.5	2	54B
HC54B1BAA	12/10/1999	D2216M	MOISTURE	9.1 *	PERCENT	NV	1.5	2	54B
HC54C1AAA	12/10/1999	350.2M	NITROGEN, AMMONIA (AS N)	8.5 J	MG/KG	II	0	0.5	54C
HC54C1AAA	12/10/1999	353.2M	NITRATE/NITRITE (AS N)	0.17	MG/KG	II	0	0.5	54C
HC54C1AAA	12/10/1999	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	94.1	MG/KG	II	0	0.5	54C
HC54C1AAA	12/10/1999	8151	{ND on all 18} analytes			II	0	0.5	54C
HC54C1AAA	12/10/1999	8260LS	{ND on all 2} analytes			II	0	0.5	54C
HC54C1AAA	12/10/1999	8330N	{ND on all 19} analytes			II	0	0.5	54C
HC54C1AAA	12/10/1999	CYAN	{ND on all 1} analytes			II	0	0.5	54C
HC54C1AAA	12/10/1999	IM40HG	{ND on all 1} analytes			II	0	0.5	54C
HC54C1AAA	12/10/1999	IM40MB	ALUMINUM	5380	MG/KG	II	0	0.5	54C
HC54C1AAA	12/10/1999	IM40MB	ARSENIC	1.1 J	MG/KG	II	0	0.5	54C
HC54C1AAA	12/10/1999	IM40MB	BARIUM	3.9	MG/KG	II	0	0.5	54C
HC54C1AAA	12/10/1999	IM40MB	BORON	4.3	MG/KG	II	0	0.5	54C
HC54C1AAA	12/10/1999	IM40MB	CALCIUM	28.8 J	MG/KG	II	0	0.5	54C
HC54C1AAA	12/10/1999	IM40MB	CHROMIUM, TOTAL	3.8	MG/KG	II	0	0.5	54C
HC54C1AAA	12/10/1999	IM40MB	COBALT	0.69 J	MG/KG	II	0	0.5	54C
HC54C1AAA	12/10/1999	IM40MB	COPPER	3.8	MG/KG	II	0	0.5	54C
HC54C1AAA	12/10/1999	IM40MB	IRON	5370	MG/KG	II	0	0.5	54C
HC54C1AAA	12/10/1999	IM40MB	LEAD	5.6	MG/KG	II	0	0.5	54C
HC54C1AAA	12/10/1999	IM40MB	MAGNESIUM	195	MG/KG	II	0	0.5	54C
HC54C1AAA	12/10/1999	IM40MB	MANGANESE	11.5	MG/KG	II	0	0.5	54C
HC54C1AAA	12/10/1999	IM40MB	MOLYBDENUM	0.28 J	MG/KG	II	0	0.5	54C
HC54C1AAA	12/10/1999	IM40MB	NICKEL	0.9 J	MG/KG	II	0	0.5	54C
HC54C1AAA	12/10/1999	IM40MB	VANADIUM	9.7	MG/KG	II	0	0.5	54C
HC54C1AAA	12/10/1999	IM40MB	ZINC	7.1	MG/KG	II	0	0.5	54C
HC54C1AAA	12/10/1999	OM31B	DI-N-BUTYL PHTHALATE	38 J	UG/KG	II	0	0.5	54C
HC54C1AAA	12/10/1999	OM31P	DDE (1,1-BIS(CHLOROPHENYL)-2,2-DICHLOROE	2.2 J	UG/KG	II	0	0.5	54C
HC54C1AAA	12/10/1999	OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2,2,2-TRICHLO	3.7	UG/KG	II	0	0.5	54C
HC54C1AAA	12/10/1999	OM31V	ACETONE	66 J	UG/KG	II	0	0.5	54C
HC54C1AAA	12/10/1999	OM31V	METHYL ETHYL KETONE (2-BUTANONE)	7 J	UG/KG	II	0	0.5	54C
HC54C1AAA	12/10/1999	TOC	TOTAL ORGANIC CARBON	1660	MG/KG	II	0	0.5	54C
HC54C1AAA	12/10/1999	D2216M	MOISTURE	7.3 *	PERCENT	NV	0	0.5	54C
HC54C1BAA	12/10/1999	350.2M	NITROGEN, AMMONIA (AS N)	3.2 J	MG/KG	II	1.5	2	54C
HC54C1BAA	12/10/1999	353.2M	NITRATE/NITRITE (AS N)	0.17	MG/KG	II	1.5	2	54C
HC54C1BAA	12/10/1999	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	47.1	MG/KG	II	1.5	2	54C
HC54C1BAA	12/10/1999	8151	{ND on all 18} analytes			II	1.5	2	54C
HC54C1BAA	12/10/1999	8260LS	{ND on all 2} analytes			II	1.5	2	54C
HC54C1BAA	12/10/1999	8330N	{ND on all 19} analytes			II	1.5	2	54C
HC54C1BAA	12/10/1999	CYAN	{ND on all 1} analytes			II	1.5	2	54C
HC54C1BAA	12/10/1999	IM40HG	{ND on all 1} analytes			II	1.5	2	54C
HC54C1BAA	12/10/1999	IM40MB	ALUMINUM	3090	MG/KG	II	1.5	2	54C
HC54C1BAA	12/10/1999	IM40MB	ARSENIC	0.79 J	MG/KG	II	1.5	2	54C
HC54C1BAA	12/10/1999	IM40MB	BARIUM	3.4	MG/KG	II	1.5	2	54C

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVE	SBD	SED	LOCID
HC54C1BAA	12/10/1999	IM40MB	BORON	3.1	MG/KG	II	1.5	2	54C
HC54C1BAA	12/10/1999	IM40MB	CALCIUM	28.8 J	MG/KG	II	1.5	2	54C
HC54C1BAA	12/10/1999	IM40MB	CHROMIUM, TOTAL	3.3	MG/KG	II	1.5	2	54C
HC54C1BAA	12/10/1999	IM40MB	COBALT	1.2	MG/KG	II	1.5	2	54C
HC54C1BAA	12/10/1999	IM40MB	COPPER	1.3	MG/KG	II	1.5	2	54C
HC54C1BAA	12/10/1999	IM40MB	IRON	3440	MG/KG	II	1.5	2	54C
HC54C1BAA	12/10/1999	IM40MB	LEAD	2.5	MG/KG	II	1.5	2	54C
HC54C1BAA	12/10/1999	IM40MB	MAGNESIUM	361	MG/KG	II	1.5	2	54C
HC54C1BAA	12/10/1999	IM40MB	MANGANESE	27.3	MG/KG	II	1.5	2	54C
HC54C1BAA	12/10/1999	IM40MB	NICKEL	1.1 J	MG/KG	II	1.5	2	54C
HC54C1BAA	12/10/1999	IM40MB	VANADIUM	5.4	MG/KG	II	1.5	2	54C
HC54C1BAA	12/10/1999	IM40MB	ZINC	6.1	MG/KG	II	1.5	2	54C
HC54C1BAA	12/10/1999	OM31B	{ND on all 64} analytes			II	1.5	2	54C
HC54C1BAA	12/10/1999	OM31P	{ND on all 28} analytes			II	1.5	2	54C
HC54C1BAA	12/10/1999	OM31V	ACETONE	57 J	UG/KG	II	1.5	2	54C
HC54C1BAA	12/10/1999	OM31V	METHYL ETHYL KETONE (2-BUTANONE)	7 J	UG/KG	II	1.5	2	54C
HC54C1BAA	12/10/1999	TOC	{ND on all 1} analytes			II	1.5	2	54C
HC54C1BAA	12/10/1999	D2216M	MOISTURE	4.5 *	PERCENT	NV	1.5	2	54C
HC62A1AAA	01/13/2000	350.2M	NITROGEN, AMMONIA (AS N)	4.3 J	MG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	353.2M	{ND on all 1} analytes			II	0	0.5	62A
HC62A1AAA	01/13/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	67.2	MG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	8151	{ND on all 18} analytes			II	0	0.5	62A
HC62A1AAA	01/13/2000	8260LS	{ND on all 2} analytes			II	0	0.5	62A
HC62A1AAA	01/13/2000	8330N	{ND on all 19} analytes			II	0	0.5	62A
HC62A1AAA	01/13/2000	CYAN	{ND on all 1} analytes			II	0	0.5	62A
HC62A1AAA	01/13/2000	IM40HG	{ND on all 1} analytes			II	0	0.5	62A
HC62A1AAA	01/13/2000	IM40MB	ALUMINUM	10100	MG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	IM40MB	ARSENIC	4.3	MG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	IM40MB	BARIUM	17.4	MG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	IM40MB	BERYLLIUM	0.27	MG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	IM40MB	CALCIUM	135	MG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	IM40MB	CHROMIUM, TOTAL	10.7	MG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	IM40MB	COBALT	2.3	MG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	IM40MB	COPPER	16.5	MG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	IM40MB	IRON	10300	MG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	IM40MB	LEAD	112	MG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	IM40MB	MAGNESIUM	878	MG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	IM40MB	MANGANESE	130	MG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	IM40MB	MOLYBDENUM	0.41 J	MG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	IM40MB	NICKEL	5 J	MG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	IM40MB	POTASSIUM	365	MG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	IM40MB	VANADIUM	18.5	MG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	IM40MB	ZINC	21.7	MG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	OM31B	BENZO(A)ANTHRACENE	22 J	UG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	OM31B	BENZO(A)PYRENE	21 J	UG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	OM31B	BENZO(B)FLUORANTHENE	24 J	UG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	OM31B	BENZO(K)FLUORANTHENE	33 J	UG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	OM31B	BIS(2-ETHYLHEXYL) PHTHALATE	53 J	UG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	OM31B	CHRYSENE	30 J	UG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	OM31B	FLUORANTHENE	45 J	UG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	OM31B	PHENANTHRENE	20 J	UG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	OM31B	PYRENE	39 J	UG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	OM31P	DDE (1,1-BIS(CHLOROPHENYL)-2,2-DICHLOROE	1.9 NJ	UG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2,2,2-TRICHLO	2.3 J	UG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	OM31P	DIELDRIN	53	UG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	OM31P	ENDRIN KETONE	2.2 J	UG/KG	II	0	0.5	62A

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVEL	SBD	SED	LOCID
HC62A1AAA	01/13/2000	OM31P	GAMMA-CHLORDANE	1.8 J	UG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	OM31V	ACETONE	77	UG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	OM31V	METHYL ETHYL KETONE (2-BUTANONE)	7 J	UG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	OM31V	TOLUENE	2 J	UG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	TOC	TOTAL ORGANIC CARBON	9000 J	MG/KG	II	0	0.5	62A
HC62A1AAA	01/13/2000	D2216M	MOISTURE	15.5 *	PERCENT	NV	0	0.5	62A
HC62A1BAA	01/13/2000	350.2M	{ND on all 1} analytes			II	1.5	2	62A
HC62A1BAA	01/13/2000	353.2M	NITRATE/NITRITE (AS N)	0.01	MG/KG	II	1.5	2	62A
HC62A1BAA	01/13/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	40.5	MG/KG	II	1.5	2	62A
HC62A1BAA	01/13/2000	8151	{ND on all 18} analytes			II	1.5	2	62A
HC62A1BAA	01/13/2000	8260LS	{ND on all 2} analytes			II	1.5	2	62A
HC62A1BAA	01/13/2000	8330N	{ND on all 19} analytes			II	1.5	2	62A
HC62A1BAA	01/13/2000	CYAN	{ND on all 1} analytes			II	1.5	2	62A
HC62A1BAA	01/13/2000	IM40HG	{ND on all 1} analytes			II	1.5	2	62A
HC62A1BAA	01/13/2000	IM40MB	ALUMINUM	5850	MG/KG	II	1.5	2	62A
HC62A1BAA	01/13/2000	IM40MB	ARSENIC	1.6	MG/KG	II	1.5	2	62A
HC62A1BAA	01/13/2000	IM40MB	BARIUM	10.9	MG/KG	II	1.5	2	62A
HC62A1BAA	01/13/2000	IM40MB	BERYLLIUM	0.19	MG/KG	II	1.5	2	62A
HC62A1BAA	01/13/2000	IM40MB	CALCIUM	76.7	MG/KG	II	1.5	2	62A
HC62A1BAA	01/13/2000	IM40MB	CHROMIUM, TOTAL	7.3	MG/KG	II	1.5	2	62A
HC62A1BAA	01/13/2000	IM40MB	COBALT	3.1	MG/KG	II	1.5	2	62A
HC62A1BAA	01/13/2000	IM40MB	COPPER	4.4	MG/KG	II	1.5	2	62A
HC62A1BAA	01/13/2000	IM40MB	IRON	5830	MG/KG	II	1.5	2	62A
HC62A1BAA	01/13/2000	IM40MB	LEAD	7.6	MG/KG	II	1.5	2	62A
HC62A1BAA	01/13/2000	IM40MB	MAGNESIUM	978	MG/KG	II	1.5	2	62A
HC62A1BAA	01/13/2000	IM40MB	MANGANESE	71	MG/KG	II	1.5	2	62A
HC62A1BAA	01/13/2000	IM40MB	MOLYBDENUM	0.23 J	MG/KG	II	1.5	2	62A
HC62A1BAA	01/13/2000	IM40MB	NICKEL	4.4 J	MG/KG	II	1.5	2	62A
HC62A1BAA	01/13/2000	IM40MB	POTASSIUM	361	MG/KG	II	1.5	2	62A
HC62A1BAA	01/13/2000	IM40MB	VANADIUM	10.1	MG/KG	II	1.5	2	62A
HC62A1BAA	01/13/2000	IM40MB	ZINC	12.3	MG/KG	II	1.5	2	62A
HC62A1BAA	01/13/2000	OM31B	BIS(2-ETHYLHEXYL) PHTHALATE	18 J	UG/KG	II	1.5	2	62A
HC62A1BAA	01/13/2000	OM31P	DIELDRIN	1.8 J	UG/KG	II	1.5	2	62A
HC62A1BAA	01/13/2000	OM31V	ACETONE	13	UG/KG	II	1.5	2	62A
HC62A1BAA	01/13/2000	OM31V	TOLUENE	1 J	UG/KG	II	1.5	2	62A
HC62A1BAA	01/13/2000	TOC	TOTAL ORGANIC CARBON	625 J	MG/KG	II	1.5	2	62A
HC62A1BAA	01/13/2000	D2216M	MOISTURE	10.7 *	PERCENT	NV	1.5	2	62A
HC62B1AAA	01/17/2000	350.2M	NITROGEN, AMMONIA (AS N)	9.4 J	MG/KG	II	0	0.5	62B
HC62B1AAA	01/17/2000	353.2M	NITRATE/NITRITE (AS N)	0.03	MG/KG	II	0	0.5	62B
HC62B1AAA	01/17/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	122 J	MG/KG	II	0	0.5	62B
HC62B1AAA	01/17/2000	8151	CHLORAMBEN	11 J	UG/KG	II	0	0.5	62B
HC62B1AAA	01/17/2000	8260LS	{ND on all 2} analytes			II	0	0.5	62B
HC62B1AAA	01/17/2000	8330N	{ND on all 19} analytes			II	0	0.5	62B
HC62B1AAA	01/17/2000	CYAN	{ND on all 1} analytes			II	0	0.5	62B
HC62B1AAA	01/17/2000	IM40HG	{ND on all 1} analytes			II	0	0.5	62B
HC62B1AAA	01/17/2000	IM40MB	ALUMINUM	6900 J	MG/KG	II	0	0.5	62B
HC62B1AAA	01/17/2000	IM40MB	ANTIMONY	0.52 J	MG/KG	II	0	0.5	62B
HC62B1AAA	01/17/2000	IM40MB	BARIUM	8.6	MG/KG	II	0	0.5	62B
HC62B1AAA	01/17/2000	IM40MB	CALCIUM	139 J	MG/KG	II	0	0.5	62B
HC62B1AAA	01/17/2000	IM40MB	CHROMIUM, TOTAL	7.6 J	MG/KG	II	0	0.5	62B
HC62B1AAA	01/17/2000	IM40MB	COBALT	1.7	MG/KG	II	0	0.5	62B
HC62B1AAA	01/17/2000	IM40MB	COPPER	13.2	MG/KG	II	0	0.5	62B
HC62B1AAA	01/17/2000	IM40MB	IRON	7210	MG/KG	II	0	0.5	62B
HC62B1AAA	01/17/2000	IM40MB	LEAD	51.7	MG/KG	II	0	0.5	62B
HC62B1AAA	01/17/2000	IM40MB	MAGNESIUM	728	MG/KG	II	0	0.5	62B
HC62B1AAA	01/17/2000	IM40MB	MANGANESE	44.4 J	MG/KG	II	0	0.5	62B

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVE	SBD	SED	LOCID
HC62B1AAA	01/17/2000	IM40MB	NICKEL	4.2	MG/KG	II	0	0.5	62B
HC62B1AAA	01/17/2000	IM40MB	POTASSIUM	259	MG/KG	II	0	0.5	62B
HC62B1AAA	01/17/2000	IM40MB	VANADIUM	13.8	MG/KG	II	0	0.5	62B
HC62B1AAA	01/17/2000	IM40MB	ZINC	13.2	MG/KG	II	0	0.5	62B
HC62B1AAA	01/17/2000	OM31B	2,4-DINITROTOLUENE	260 J	UG/KG	II	0	0.5	62B
HC62B1AAA	01/17/2000	OM31B	BENZO(A)ANTHRACENE	20 J	UG/KG	II	0	0.5	62B
HC62B1AAA	01/17/2000	OM31B	BENZO(B)FLUORANTHENE	18 J	UG/KG	II	0	0.5	62B
HC62B1AAA	01/17/2000	OM31B	BENZO(K)FLUORANTHENE	27 J	UG/KG	II	0	0.5	62B
HC62B1AAA	01/17/2000	OM31B	BIS(2-ETHYLHEXYL) PHTHALATE	19 J	UG/KG	II	0	0.5	62B
HC62B1AAA	01/17/2000	OM31B	CHRYSENE	28 J	UG/KG	II	0	0.5	62B
HC62B1AAA	01/17/2000	OM31B	DI-N-BUTYL PHTHALATE	270 J	UG/KG	II	0	0.5	62B
HC62B1AAA	01/17/2000	OM31B	FLUORANTHENE	35 J	UG/KG	II	0	0.5	62B
HC62B1AAA	01/17/2000	OM31B	N-NITROSODIPHENYLAMINE	24 J	UG/KG	II	0	0.5	62B
HC62B1AAA	01/17/2000	OM31B	PYRENE	37 J	UG/KG	II	0	0.5	62B
HC62B1AAA	01/17/2000	OM31P	DIELDRIN	27	UG/KG	II	0	0.5	62B
HC62B1AAA	01/17/2000	OM31P	ENDRIN ALDEHYDE	3.3 J	UG/KG	II	0	0.5	62B
HC62B1AAA	01/17/2000	OM31V	ACETONE	120 J	UG/KG	II	0	0.5	62B
HC62B1AAA	01/17/2000	OM31V	METHYL ETHYL KETONE (2-BUTANONE)	9 J	UG/KG	II	0	0.5	62B
HC62B1AAA	01/17/2000	TOC	TOTAL ORGANIC CARBON	10700	MG/KG	II	0	0.5	62B
HC62B1AAA	01/17/2000	D2216M	MOISTURE	10.3 *	PERCENT	NV	0	0.5	62B
HC62B1BAA	01/17/2000	350.2M	NITROGEN, AMMONIA (AS N)	10.6 J	MG/KG	II	1.5	2	62B
HC62B1BAA	01/17/2000	353.2M	NITRATE/NITRITE (AS N)	0.04	MG/KG	II	1.5	2	62B
HC62B1BAA	01/17/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	39.8 J	MG/KG	II	1.5	2	62B
HC62B1BAA	01/17/2000	8151	CHLORAMBEN	10 NJ	UG/KG	II	1.5	2	62B
HC62B1BAA	01/17/2000	8260LS	{ND on all 2} analytes			II	1.5	2	62B
HC62B1BAA	01/17/2000	8330N	{ND on all 19} analytes			II	1.5	2	62B
HC62B1BAA	01/17/2000	CYAN	{ND on all 1} analytes			II	1.5	2	62B
HC62B1BAA	01/17/2000	IM40HG	{ND on all 1} analytes			II	1.5	2	62B
HC62B1BAA	01/17/2000	IM40MB	ALUMINUM	9580 J	MG/KG	II	1.5	2	62B
HC62B1BAA	01/17/2000	IM40MB	BARIUM	9.2	MG/KG	II	1.5	2	62B
HC62B1BAA	01/17/2000	IM40MB	CHROMIUM, TOTAL	9.5 J	MG/KG	II	1.5	2	62B
HC62B1BAA	01/17/2000	IM40MB	COBALT	1.9	MG/KG	II	1.5	2	62B
HC62B1BAA	01/17/2000	IM40MB	COPPER	2.8	MG/KG	II	1.5	2	62B
HC62B1BAA	01/17/2000	IM40MB	IRON	8440	MG/KG	II	1.5	2	62B
HC62B1BAA	01/17/2000	IM40MB	LEAD	6.5	MG/KG	II	1.5	2	62B
HC62B1BAA	01/17/2000	IM40MB	MAGNESIUM	784	MG/KG	II	1.5	2	62B
HC62B1BAA	01/17/2000	IM40MB	MANGANESE	34.6 J	MG/KG	II	1.5	2	62B
HC62B1BAA	01/17/2000	IM40MB	NICKEL	4.3	MG/KG	II	1.5	2	62B
HC62B1BAA	01/17/2000	IM40MB	POTASSIUM	257	MG/KG	II	1.5	2	62B
HC62B1BAA	01/17/2000	IM40MB	VANADIUM	14.8	MG/KG	II	1.5	2	62B
HC62B1BAA	01/17/2000	IM40MB	ZINC	9.8	MG/KG	II	1.5	2	62B
HC62B1BAA	01/17/2000	OM31B	{ND on all 64} analytes			II	1.5	2	62B
HC62B1BAA	01/17/2000	OM31P	{ND on all 28} analytes			II	1.5	2	62B
HC62B1BAA	01/17/2000	OM31V	ACETONE	72 J	UG/KG	II	1.5	2	62B
HC62B1BAA	01/17/2000	OM31V	METHYL ETHYL KETONE (2-BUTANONE)	7 J	UG/KG	II	1.5	2	62B
HC62B1BAA	01/17/2000	TOC	TOTAL ORGANIC CARBON	6560	MG/KG	II	1.5	2	62B
HC62B1BAA	01/17/2000	D2216M	MOISTURE	11.1 *	PERCENT	NV	1.5	2	62B
HC62C1AAA	02/07/2000	350.2M	NITROGEN, AMMONIA (AS N)	18.4	MG/KG	II	0	0.5	62C
HC62C1AAA	02/07/2000	353.2M	NITRATE/NITRITE (AS N)	0.01	MG/KG	II	0	0.5	62C
HC62C1AAA	02/07/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	86.2	MG/KG	II	0	0.5	62C
HC62C1AAA	02/07/2000	8151	{ND on all 18} analytes			II	0	0.5	62C
HC62C1AAA	02/07/2000	8330N	{ND on all 19} analytes			II	0	0.5	62C
HC62C1AAA	02/07/2000	CYAN	{ND on all 1} analytes			II	0	0.5	62C
HC62C1AAA	02/07/2000	IM40HG	{ND on all 1} analytes			II	0	0.5	62C
HC62C1AAA	02/07/2000	IM40MB	ALUMINUM	9280	MG/KG	II	0	0.5	62C
HC62C1AAA	02/07/2000	IM40MB	ARSENIC	2.5	MG/KG	II	0	0.5	62C

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVE	SBD	SED	LOCID
HC62C1AAA	02/07/2000	IM40MB	BARIUM	13	MG/KG	II	0	0.5	62C
HC62C1AAA	02/07/2000	IM40MB	BERYLLIUM	0.19 J	MG/KG	II	0	0.5	62C
HC62C1AAA	02/07/2000	IM40MB	CALCIUM	181	MG/KG	II	0	0.5	62C
HC62C1AAA	02/07/2000	IM40MB	CHROMIUM, TOTAL	11.4	MG/KG	II	0	0.5	62C
HC62C1AAA	02/07/2000	IM40MB	COBALT	1.3 J	MG/KG	II	0	0.5	62C
HC62C1AAA	02/07/2000	IM40MB	COPPER	14.4	MG/KG	II	0	0.5	62C
HC62C1AAA	02/07/2000	IM40MB	IRON	9520	MG/KG	II	0	0.5	62C
HC62C1AAA	02/07/2000	IM40MB	LEAD	97	MG/KG	II	0	0.5	62C
HC62C1AAA	02/07/2000	IM40MB	MAGNESIUM	1260	MG/KG	II	0	0.5	62C
HC62C1AAA	02/07/2000	IM40MB	MANGANESE	77.8	MG/KG	II	0	0.5	62C
HC62C1AAA	02/07/2000	IM40MB	MOLYBDENUM	0.95 J	MG/KG	II	0	0.5	62C
HC62C1AAA	02/07/2000	IM40MB	NICKEL	5.8	MG/KG	II	0	0.5	62C
HC62C1AAA	02/07/2000	IM40MB	POTASSIUM	505	MG/KG	II	0	0.5	62C
HC62C1AAA	02/07/2000	IM40MB	VANADIUM	17	MG/KG	II	0	0.5	62C
HC62C1AAA	02/07/2000	IM40MB	ZINC	18.4	MG/KG	II	0	0.5	62C
HC62C1AAA	02/07/2000	OM31B	BENZO(A)ANTHRACENE	24 J	UG/KG	II	0	0.5	62C
HC62C1AAA	02/07/2000	OM31B	BENZO(A)PYRENE	23 J	UG/KG	II	0	0.5	62C
HC62C1AAA	02/07/2000	OM31B	BENZO(B)FLUORANTHENE	27 J	UG/KG	II	0	0.5	62C
HC62C1AAA	02/07/2000	OM31B	BENZO(K)FLUORANTHENE	31 J	UG/KG	II	0	0.5	62C
HC62C1AAA	02/07/2000	OM31B	CHRYSENE	35 J	UG/KG	II	0	0.5	62C
HC62C1AAA	02/07/2000	OM31B	FLUORANTHENE	49 J	UG/KG	II	0	0.5	62C
HC62C1AAA	02/07/2000	OM31B	PHENANTHRENE	22 J	UG/KG	II	0	0.5	62C
HC62C1AAA	02/07/2000	OM31B	PYRENE	44 J	UG/KG	II	0	0.5	62C
HC62C1AAA	02/07/2000	OM31P	DIELDRIN	35	UG/KG	II	0	0.5	62C
HC62C1AAA	02/07/2000	TOC	TOTAL ORGANIC CARBON	7430	MG/KG	II	0	0.5	62C
HC62C1AAA	02/07/2000	D2216M	MOISTURE	11.5 *	PERCENT	NV	0	0.5	62C
HC62C1BAA	02/07/2000	350.2M	NITROGEN, AMMONIA (AS N)	9.3 J	MG/KG	II	1.5	2	62C
HC62C1BAA	02/07/2000	353.2M	NITRATE/NITRITE (AS N)	0.09	MG/KG	II	1.5	2	62C
HC62C1BAA	02/07/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	103	MG/KG	II	1.5	2	62C
HC62C1BAA	02/07/2000	8151	CHLORAMBEN	9.7 NJ	UG/KG	II	1.5	2	62C
HC62C1BAA	02/07/2000	8260LS	{ND on all 2} analytes			II	1.5	2	62C
HC62C1BAA	02/07/2000	8330N	{ND on all 19} analytes			II	1.5	2	62C
HC62C1BAA	02/07/2000	CYAN	{ND on all 1} analytes			II	1.5	2	62C
HC62C1BAA	02/07/2000	IM40HG	{ND on all 1} analytes			II	1.5	2	62C
HC62C1BAA	02/07/2000	IM40MB	ALUMINUM	9300	MG/KG	II	1.5	2	62C
HC62C1BAA	02/07/2000	IM40MB	ARSENIC	2.9	MG/KG	II	1.5	2	62C
HC62C1BAA	02/07/2000	IM40MB	BARIUM	11.4	MG/KG	II	1.5	2	62C
HC62C1BAA	02/07/2000	IM40MB	BERYLLIUM	0.18 J	MG/KG	II	1.5	2	62C
HC62C1BAA	02/07/2000	IM40MB	CALCIUM	242	MG/KG	II	1.5	2	62C
HC62C1BAA	02/07/2000	IM40MB	CHROMIUM, TOTAL	9.1	MG/KG	II	1.5	2	62C
HC62C1BAA	02/07/2000	IM40MB	COBALT	1.2 J	MG/KG	II	1.5	2	62C
HC62C1BAA	02/07/2000	IM40MB	COPPER	9.8	MG/KG	II	1.5	2	62C
HC62C1BAA	02/07/2000	IM40MB	IRON	9700	MG/KG	II	1.5	2	62C
HC62C1BAA	02/07/2000	IM40MB	LEAD	62.8	MG/KG	II	1.5	2	62C
HC62C1BAA	02/07/2000	IM40MB	MAGNESIUM	932	MG/KG	II	1.5	2	62C
HC62C1BAA	02/07/2000	IM40MB	MANGANESE	69.7	MG/KG	II	1.5	2	62C
HC62C1BAA	02/07/2000	IM40MB	MOLYBDENUM	0.86 J	MG/KG	II	1.5	2	62C
HC62C1BAA	02/07/2000	IM40MB	NICKEL	4.3	MG/KG	II	1.5	2	62C
HC62C1BAA	02/07/2000	IM40MB	POTASSIUM	521	MG/KG	II	1.5	2	62C
HC62C1BAA	02/07/2000	IM40MB	THALLIUM	0.88 J	MG/KG	II	1.5	2	62C
HC62C1BAA	02/07/2000	IM40MB	VANADIUM	14.3	MG/KG	II	1.5	2	62C
HC62C1BAA	02/07/2000	IM40MB	ZINC	17.1	MG/KG	II	1.5	2	62C
HC62C1BAA	02/07/2000	OM31B	BENZO(K)FLUORANTHENE	20 J	UG/KG	II	1.5	2	62C
HC62C1BAA	02/07/2000	OM31B	CHRYSENE	20 J	UG/KG	II	1.5	2	62C
HC62C1BAA	02/07/2000	OM31B	FLUORANTHENE	28 J	UG/KG	II	1.5	2	62C
HC62C1BAA	02/07/2000	OM31B	PYRENE	26 J	UG/KG	II	1.5	2	62C

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVE	SBD	SED	LOCID
HC62C1BAA	02/07/2000	OM31P	DIELDRIN	10	UG/KG	II	1.5	2	62C
HC62C1BAA	02/07/2000	OM31P	HEPTACHLOR EPOXIDE	1.6 J	UG/KG	II	1.5	2	62C
HC62C1BAA	02/07/2000	OM31V	ACETONE	25 J	UG/KG	II	1.5	2	62C
HC62C1BAA	02/07/2000	OM31V	METHYL ETHYL KETONE (2-BUTANONE)	3 J	UG/KG	II	1.5	2	62C
HC62C1BAA	02/07/2000	TOC	TOTAL ORGANIC CARBON	6260	MG/KG	II	1.5	2	62C
HC62C1BAA	02/07/2000	D2216M	MOISTURE	12 *	PERCENT	NV	1.5	2	62C
HC66A1AAA	02/17/2000	350.2M	NITROGEN, AMMONIA (AS N)	18.5 J	MG/KG	II	0	0.5	66A
HC66A1AAA	02/17/2000	353.2M	NITRATE/NITRITE (AS N)	0.05 J	MG/KG	II	0	0.5	66A
HC66A1AAA	02/17/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	106 J	MG/KG	II	0	0.5	66A
HC66A1AAA	02/17/2000	8151	{ND on all 18} analytes			II	0	0.5	66A
HC66A1AAA	02/17/2000	8330N	{ND on all 19} analytes			II	0	0.5	66A
HC66A1AAA	02/17/2000	CYAN	{ND on all 1} analytes			II	0	0.5	66A
HC66A1AAA	02/17/2000	IM40HG	{ND on all 1} analytes			II	0	0.5	66A
HC66A1AAA	02/17/2000	IM40MB	ALUMINUM	7900 J	MG/KG	II	0	0.5	66A
HC66A1AAA	02/17/2000	IM40MB	ARSENIC	2	MG/KG	II	0	0.5	66A
HC66A1AAA	02/17/2000	IM40MB	BARIUM	5.5	MG/KG	II	0	0.5	66A
HC66A1AAA	02/17/2000	IM40MB	BORON	3.5	MG/KG	II	0	0.5	66A
HC66A1AAA	02/17/2000	IM40MB	CHROMIUM, TOTAL	5.4 J	MG/KG	II	0	0.5	66A
HC66A1AAA	02/17/2000	IM40MB	COBALT	1.2	MG/KG	II	0	0.5	66A
HC66A1AAA	02/17/2000	IM40MB	COPPER	2 J	MG/KG	II	0	0.5	66A
HC66A1AAA	02/17/2000	IM40MB	IRON	7250 J	MG/KG	II	0	0.5	66A
HC66A1AAA	02/17/2000	IM40MB	LEAD	5.2 J	MG/KG	II	0	0.5	66A
HC66A1AAA	02/17/2000	IM40MB	MAGNESIUM	398	MG/KG	II	0	0.5	66A
HC66A1AAA	02/17/2000	IM40MB	MANGANESE	21.7 J	MG/KG	II	0	0.5	66A
HC66A1AAA	02/17/2000	IM40MB	MOLYBDENUM	0.64 J	MG/KG	II	0	0.5	66A
HC66A1AAA	02/17/2000	IM40MB	NICKEL	1.5 J	MG/KG	II	0	0.5	66A
HC66A1AAA	02/17/2000	IM40MB	POTASSIUM	168	MG/KG	II	0	0.5	66A
HC66A1AAA	02/17/2000	IM40MB	SELENIUM	0.67 J	MG/KG	II	0	0.5	66A
HC66A1AAA	02/17/2000	IM40MB	SODIUM	107 J	MG/KG	II	0	0.5	66A
HC66A1AAA	02/17/2000	IM40MB	VANADIUM	13	MG/KG	II	0	0.5	66A
HC66A1AAA	02/17/2000	IM40MB	ZINC	9 J	MG/KG	II	0	0.5	66A
HC66A1AAA	02/17/2000	OM31B	{ND on all 64} analytes			II	0	0.5	66A
HC66A1AAA	02/17/2000	OM31P	{ND on all 28} analytes			II	0	0.5	66A
HC66A1AAA	02/17/2000	TOC	TOTAL ORGANIC CARBON	2990 J	MG/KG	II	0	0.5	66A
HC66A1AAA	02/17/2000	D2216M	MOISTURE	9 *	PERCENT	NV	0	0.5	66A
HC66A1BAA	02/24/2000	350.2M	{ND on all 1} analytes			II	1.5	2	66A
HC66A1BAA	02/24/2000	353.2M	NITRATE/NITRITE (AS N)	0.03	MG/KG	II	1.5	2	66A
HC66A1BAA	02/24/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	41.3	MG/KG	II	1.5	2	66A
HC66A1BAA	02/24/2000	8151	{ND on all 18} analytes			II	1.5	2	66A
HC66A1BAA	02/24/2000	8260LS	{ND on all 2} analytes			II	1.5	2	66A
HC66A1BAA	02/24/2000	8330N	{ND on all 19} analytes			II	1.5	2	66A
HC66A1BAA	02/24/2000	CYAN	{ND on all 1} analytes			II	1.5	2	66A
HC66A1BAA	02/24/2000	IM40HG	{ND on all 1} analytes			II	1.5	2	66A
HC66A1BAA	02/24/2000	IM40MB	ALUMINUM	2610	MG/KG	II	1.5	2	66A
HC66A1BAA	02/24/2000	IM40MB	BARIUM	6	MG/KG	II	1.5	2	66A
HC66A1BAA	02/24/2000	IM40MB	BERYLLIUM	0.71	MG/KG	II	1.5	2	66A
HC66A1BAA	02/24/2000	IM40MB	COBALT	1.1	MG/KG	II	1.5	2	66A
HC66A1BAA	02/24/2000	IM40MB	IRON	2860	MG/KG	II	1.5	2	66A
HC66A1BAA	02/24/2000	IM40MB	LEAD	2	MG/KG	II	1.5	2	66A
HC66A1BAA	02/24/2000	IM40MB	MAGNESIUM	409	MG/KG	II	1.5	2	66A
HC66A1BAA	02/24/2000	IM40MB	MANGANESE	29.6	MG/KG	II	1.5	2	66A
HC66A1BAA	02/24/2000	IM40MB	NICKEL	2	MG/KG	II	1.5	2	66A
HC66A1BAA	02/24/2000	IM40MB	POTASSIUM	301	MG/KG	II	1.5	2	66A
HC66A1BAA	02/24/2000	IM40MB	ZINC	7.2 J	MG/KG	II	1.5	2	66A
HC66A1BAA	02/24/2000	OM31B	BENZO(A)PYRENE	55 J	UG/KG	II	1.5	2	66A
HC66A1BAA	02/24/2000	OM31B	BENZO(G,H,I)PERYLENE	50 J	UG/KG	II	1.5	2	66A

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVE	SBD	SED	LOCID
HC66A1BAA	02/24/2000	OM31B	PYRENE	16 J	UG/KG	II	1.5	2	66A
HC66A1BAA	02/24/2000	OM31P	{ND on all 28} analytes			II	1.5	2	66A
HC66A1BAA	02/24/2000	OM31V	ACETONE	24 J	UG/KG	II	1.5	2	66A
HC66A1BAA	02/24/2000	OM31V	METHYL ETHYL KETONE (2-BUTANONE)	4 J	UG/KG	II	1.5	2	66A
HC66A1BAA	02/24/2000	OM31V	TOLUENE	1 J	UG/KG	II	1.5	2	66A
HC66A1BAA	02/24/2000	TOC	{ND on all 1} analytes			II	1.5	2	66A
HC66A1BAA	02/24/2000	D2216M	MOISTURE	3.3 *	PERCENT	NV	1.5	2	66A
HC66B1AAA	02/18/2000	350.2M	{ND on all 1} analytes			II	0	0.5	66B
HC66B1AAA	02/18/2000	353.2M	NITRATE/NITRITE (AS N)	0.01 J	MG/KG	II	0	0.5	66B
HC66B1AAA	02/18/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	63.5 J	MG/KG	II	0	0.5	66B
HC66B1AAA	02/18/2000	8151	{ND on all 18} analytes			II	0	0.5	66B
HC66B1AAA	02/18/2000	8330N	{ND on all 19} analytes			II	0	0.5	66B
HC66B1AAA	02/18/2000	CYAN	{ND on all 1} analytes			II	0	0.5	66B
HC66B1AAA	02/18/2000	IM40HG	{ND on all 1} analytes			II	0	0.5	66B
HC66B1AAA	02/18/2000	IM40MB	ALUMINUM	3410 J	MG/KG	II	0	0.5	66B
HC66B1AAA	02/18/2000	IM40MB	ARSENIC	0.57 J	MG/KG	II	0	0.5	66B
HC66B1AAA	02/18/2000	IM40MB	BARIUM	7.8	MG/KG	II	0	0.5	66B
HC66B1AAA	02/18/2000	IM40MB	CHROMIUM, TOTAL	1.7 J	MG/KG	II	0	0.5	66B
HC66B1AAA	02/18/2000	IM40MB	COBALT	2.6	MG/KG	II	0	0.5	66B
HC66B1AAA	02/18/2000	IM40MB	COPPER	7.3 J	MG/KG	II	0	0.5	66B
HC66B1AAA	02/18/2000	IM40MB	IRON	6150 J	MG/KG	II	0	0.5	66B
HC66B1AAA	02/18/2000	IM40MB	LEAD	4.5 J	MG/KG	II	0	0.5	66B
HC66B1AAA	02/18/2000	IM40MB	MAGNESIUM	1110	MG/KG	II	0	0.5	66B
HC66B1AAA	02/18/2000	IM40MB	MANGANESE	52.1 J	MG/KG	II	0	0.5	66B
HC66B1AAA	02/18/2000	IM40MB	NICKEL	4	MG/KG	II	0	0.5	66B
HC66B1AAA	02/18/2000	IM40MB	POTASSIUM	330	MG/KG	II	0	0.5	66B
HC66B1AAA	02/18/2000	IM40MB	SODIUM	79.9	MG/KG	II	0	0.5	66B
HC66B1AAA	02/18/2000	IM40MB	VANADIUM	7.6	MG/KG	II	0	0.5	66B
HC66B1AAA	02/18/2000	IM40MB	ZINC	16.4 J	MG/KG	II	0	0.5	66B
HC66B1AAA	02/18/2000	OM31B	{ND on all 64} analytes			II	0	0.5	66B
HC66B1AAA	02/18/2000	OM31P	{ND on all 28} analytes			II	0	0.5	66B
HC66B1AAA	02/18/2000	TOC	TOTAL ORGANIC CARBON	417 J	MG/KG	II	0	0.5	66B
HC66B1AAA	02/18/2000	D2216M	MOISTURE	3.9 *	PERCENT	NV	0	0.5	66B
HC66B1BAA	02/24/2000	350.2M	{ND on all 1} analytes			II	1.5	2	66B
HC66B1BAA	02/24/2000	353.2M	NITRATE/NITRITE (AS N)	0.03	MG/KG	II	1.5	2	66B
HC66B1BAA	02/24/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	69.8	MG/KG	II	1.5	2	66B
HC66B1BAA	02/24/2000	8151	{ND on all 18} analytes			II	1.5	2	66B
HC66B1BAA	02/24/2000	8260LS	{ND on all 2} analytes			II	1.5	2	66B
HC66B1BAA	02/24/2000	8330N	{ND on all 19} analytes			II	1.5	2	66B
HC66B1BAA	02/24/2000	CYAN	{ND on all 1} analytes			II	1.5	2	66B
HC66B1BAA	02/24/2000	IM40HG	{ND on all 1} analytes			II	1.5	2	66B
HC66B1BAA	02/24/2000	IM40MB	ALUMINUM	2050	MG/KG	II	1.5	2	66B
HC66B1BAA	02/24/2000	IM40MB	BARIUM	4	MG/KG	II	1.5	2	66B
HC66B1BAA	02/24/2000	IM40MB	CADMIUM	0.37 J	MG/KG	II	1.5	2	66B
HC66B1BAA	02/24/2000	IM40MB	COBALT	1.4	MG/KG	II	1.5	2	66B
HC66B1BAA	02/24/2000	IM40MB	IRON	2400	MG/KG	II	1.5	2	66B
HC66B1BAA	02/24/2000	IM40MB	LEAD	2.5	MG/KG	II	1.5	2	66B
HC66B1BAA	02/24/2000	IM40MB	MAGNESIUM	471	MG/KG	II	1.5	2	66B
HC66B1BAA	02/24/2000	IM40MB	MANGANESE	41.2	MG/KG	II	1.5	2	66B
HC66B1BAA	02/24/2000	IM40MB	MOLYBDENUM	0.96 J	MG/KG	II	1.5	2	66B
HC66B1BAA	02/24/2000	IM40MB	NICKEL	2.4	MG/KG	II	1.5	2	66B
HC66B1BAA	02/24/2000	IM40MB	POTASSIUM	296	MG/KG	II	1.5	2	66B
HC66B1BAA	02/24/2000	IM40MB	VANADIUM	4	MG/KG	II	1.5	2	66B
HC66B1BAA	02/24/2000	IM40MB	ZINC	6.6 J	MG/KG	II	1.5	2	66B
HC66B1BAA	02/24/2000	OM31B	BIS(2-ETHYLHEXYL) PHTHALATE	36 J	UG/KG	II	1.5	2	66B
HC66B1BAA	02/24/2000	OM31P	{ND on all 28} analytes			II	1.5	2	66B

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVE	SBD	SED	LOCID
HC66B1BAA	02/24/2000	OM31V	ACETONE	11 J	UG/KG	II	1.5	2	66B
HC66B1BAA	02/24/2000	OM31V	METHYL ETHYL KETONE (2-BUTANONE)	3 J	UG/KG	II	1.5	2	66B
HC66B1BAA	02/24/2000	OM31V	TOLUENE	0.8 J	UG/KG	II	1.5	2	66B
HC66B1BAA	02/24/2000	TOC	{ND on all 1} analytes			II	1.5	2	66B
HC66B1BAA	02/24/2000	D2216M	MOISTURE	3.7 *	PERCENT	NV	1.5	2	66B
HC66C1AAA	02/23/2000	350.2M	NITROGEN, AMMONIA (AS N)	12.9	MG/KG	II	0	0.5	66C
HC66C1AAA	02/23/2000	353.2M	{ND on all 1} analytes			II	0	0.5	66C
HC66C1AAA	02/23/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	70.2	MG/KG	II	0	0.5	66C
HC66C1AAA	02/23/2000	8151	{ND on all 18} analytes			II	0	0.5	66C
HC66C1AAA	02/23/2000	8330N	{ND on all 19} analytes			II	0	0.5	66C
HC66C1AAA	02/23/2000	CYAN	{ND on all 1} analytes			II	0	0.5	66C
HC66C1AAA	02/23/2000	IM40HG	{ND on all 1} analytes			II	0	0.5	66C
HC66C1AAA	02/23/2000	IM40MB	ALUMINUM	7270	MG/KG	II	0	0.5	66C
HC66C1AAA	02/23/2000	IM40MB	ARSENIC	1.5	MG/KG	II	0	0.5	66C
HC66C1AAA	02/23/2000	IM40MB	BARIUM	4.8	MG/KG	II	0	0.5	66C
HC66C1AAA	02/23/2000	IM40MB	BERYLLIUM	0.08 J	MG/KG	II	0	0.5	66C
HC66C1AAA	02/23/2000	IM40MB	BORON	5.8	MG/KG	II	0	0.5	66C
HC66C1AAA	02/23/2000	IM40MB	CHROMIUM, TOTAL	4.6	MG/KG	II	0	0.5	66C
HC66C1AAA	02/23/2000	IM40MB	COBALT	1.2	MG/KG	II	0	0.5	66C
HC66C1AAA	02/23/2000	IM40MB	COPPER	4 J	MG/KG	II	0	0.5	66C
HC66C1AAA	02/23/2000	IM40MB	IRON	6470	MG/KG	II	0	0.5	66C
HC66C1AAA	02/23/2000	IM40MB	LEAD	7.6	MG/KG	II	0	0.5	66C
HC66C1AAA	02/23/2000	IM40MB	MAGNESIUM	326	MG/KG	II	0	0.5	66C
HC66C1AAA	02/23/2000	IM40MB	MANGANESE	34	MG/KG	II	0	0.5	66C
HC66C1AAA	02/23/2000	IM40MB	MOLYBDENUM	1.1 J	MG/KG	II	0	0.5	66C
HC66C1AAA	02/23/2000	IM40MB	NICKEL	2.4	MG/KG	II	0	0.5	66C
HC66C1AAA	02/23/2000	IM40MB	POTASSIUM	219	MG/KG	II	0	0.5	66C
HC66C1AAA	02/23/2000	IM40MB	VANADIUM	10.6	MG/KG	II	0	0.5	66C
HC66C1AAA	02/23/2000	IM40MB	ZINC	10 J	MG/KG	II	0	0.5	66C
HC66C1AAA	02/23/2000	OM31B	{ND on all 64} analytes			II	0	0.5	66C
HC66C1AAA	02/23/2000	OM31P	DDE (1,1-BIS(CHLOROPHENYL)-2,2-DICHLOROE	2 J	UG/KG	II	0	0.5	66C
HC66C1AAA	02/23/2000	OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2,2,2-TRICHLO	4.5	UG/KG	II	0	0.5	66C
HC66C1AAA	02/23/2000	TOC	TOTAL ORGANIC CARBON	5280 J	MG/KG	II	0	0.5	66C
HC66C1AAA	02/23/2000	D2216M	MOISTURE	11.8 *	PERCENT	NV	0	0.5	66C
HC66C1BAA	02/24/2000	350.2M	NITROGEN, AMMONIA (AS N)	2.4	MG/KG	II	1.5	2	66C
HC66C1BAA	02/24/2000	353.2M	NITRATE/NITRITE (AS N)	0.02	MG/KG	II	1.5	2	66C
HC66C1BAA	02/24/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	80.5	MG/KG	II	1.5	2	66C
HC66C1BAA	02/24/2000	8151	{ND on all 18} analytes			II	1.5	2	66C
HC66C1BAA	02/24/2000	8260LS	{ND on all 2} analytes			II	1.5	2	66C
HC66C1BAA	02/24/2000	8330N	{ND on all 19} analytes			II	1.5	2	66C
HC66C1BAA	02/24/2000	CYAN	{ND on all 1} analytes			II	1.5	2	66C
HC66C1BAA	02/24/2000	IM40HG	{ND on all 1} analytes			II	1.5	2	66C
HC66C1BAA	02/24/2000	IM40MB	ALUMINUM	2840	MG/KG	II	1.5	2	66C
HC66C1BAA	02/24/2000	IM40MB	BARIUM	3.3 J	MG/KG	II	1.5	2	66C
HC66C1BAA	02/24/2000	IM40MB	BERYLLIUM	0.68	MG/KG	II	1.5	2	66C
HC66C1BAA	02/24/2000	IM40MB	CALCIUM	134 J	MG/KG	II	1.5	2	66C
HC66C1BAA	02/24/2000	IM40MB	COBALT	1.3	MG/KG	II	1.5	2	66C
HC66C1BAA	02/24/2000	IM40MB	IRON	2880	MG/KG	II	1.5	2	66C
HC66C1BAA	02/24/2000	IM40MB	LEAD	3.9	MG/KG	II	1.5	2	66C
HC66C1BAA	02/24/2000	IM40MB	MAGNESIUM	432	MG/KG	II	1.5	2	66C
HC66C1BAA	02/24/2000	IM40MB	MANGANESE	28.5	MG/KG	II	1.5	2	66C
HC66C1BAA	02/24/2000	IM40MB	MOLYBDENUM	0.74 J	MG/KG	II	1.5	2	66C
HC66C1BAA	02/24/2000	IM40MB	NICKEL	2.6	MG/KG	II	1.5	2	66C
HC66C1BAA	02/24/2000	IM40MB	POTASSIUM	252	MG/KG	II	1.5	2	66C
HC66C1BAA	02/24/2000	IM40MB	VANADIUM	4.2	MG/KG	II	1.5	2	66C
HC66C1BAA	02/24/2000	IM40MB	ZINC	6.9 J	MG/KG	II	1.5	2	66C

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVEL	SBD	SED	LOCID
HC66C1BAA	02/24/2000	OM31B	{ND on all 64} analytes			II	1.5	2	66C
HC66C1BAA	02/24/2000	OM31P	{ND on all 28} analytes			II	1.5	2	66C
HC66C1BAA	02/24/2000	OM31V	ACETONE	15 J	UG/KG	II	1.5	2	66C
HC66C1BAA	02/24/2000	OM31V	METHYL ETHYL KETONE (2-BUTANONE)	4 J	UG/KG	II	1.5	2	66C
HC66C1BAA	02/24/2000	OM31V	TOLUENE	1 J	UG/KG	II	1.5	2	66C
HC66C1BAA	02/24/2000	TOC	{ND on all 1} analytes			II	1.5	2	66C
HC66C1BAA	02/24/2000	D2216M	MOISTURE	4.5 *	PERCENT	NV	1.5	2	66C
HC66D1AAA	02/17/2000	350.2M	NITROGEN, AMMONIA (AS N)	7.6 J	MG/KG	II	0	0.5	66D
HC66D1AAA	02/17/2000	353.2M	NITRATE/NITRITE (AS N)	0.06 J	MG/KG	II	0	0.5	66D
HC66D1AAA	02/17/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	53.8 J	MG/KG	II	0	0.5	66D
HC66D1AAA	02/17/2000	8151	{ND on all 18} analytes			II	0	0.5	66D
HC66D1AAA	02/17/2000	8330N	{ND on all 19} analytes			II	0	0.5	66D
HC66D1AAA	02/17/2000	CYAN	{ND on all 1} analytes			II	0	0.5	66D
HC66D1AAA	02/17/2000	IM40HG	{ND on all 1} analytes			II	0	0.5	66D
HC66D1AAA	02/17/2000	IM40MB	ALUMINUM	1810 J	MG/KG	II	0	0.5	66D
HC66D1AAA	02/17/2000	IM40MB	ARSENIC	0.52 J	MG/KG	II	0	0.5	66D
HC66D1AAA	02/17/2000	IM40MB	BARIUM	5.1	MG/KG	II	0	0.5	66D
HC66D1AAA	02/17/2000	IM40MB	BORON	1.9	MG/KG	II	0	0.5	66D
HC66D1AAA	02/17/2000	IM40MB	CALCIUM	91.8 J	MG/KG	II	0	0.5	66D
HC66D1AAA	02/17/2000	IM40MB	CHROMIUM, TOTAL	3.1 J	MG/KG	II	0	0.5	66D
HC66D1AAA	02/17/2000	IM40MB	COBALT	1.3	MG/KG	II	0	0.5	66D
HC66D1AAA	02/17/2000	IM40MB	COPPER	2.3 J	MG/KG	II	0	0.5	66D
HC66D1AAA	02/17/2000	IM40MB	IRON	3080 J	MG/KG	II	0	0.5	66D
HC66D1AAA	02/17/2000	IM40MB	LEAD	2.8 J	MG/KG	II	0	0.5	66D
HC66D1AAA	02/17/2000	IM40MB	MAGNESIUM	447	MG/KG	II	0	0.5	66D
HC66D1AAA	02/17/2000	IM40MB	MANGANESE	47.3 J	MG/KG	II	0	0.5	66D
HC66D1AAA	02/17/2000	IM40MB	NICKEL	2	MG/KG	II	0	0.5	66D
HC66D1AAA	02/17/2000	IM40MB	POTASSIUM	283	MG/KG	II	0	0.5	66D
HC66D1AAA	02/17/2000	IM40MB	SODIUM	156 J	MG/KG	II	0	0.5	66D
HC66D1AAA	02/17/2000	IM40MB	VANADIUM	5.8	MG/KG	II	0	0.5	66D
HC66D1AAA	02/17/2000	IM40MB	ZINC	7.4 J	MG/KG	II	0	0.5	66D
HC66D1AAA	02/17/2000	OM31B	{ND on all 64} analytes			II	0	0.5	66D
HC66D1AAA	02/17/2000	OM31P	{ND on all 28} analytes			II	0	0.5	66D
HC66D1AAA	02/17/2000	TOC	TOTAL ORGANIC CARBON	237 J	MG/KG	II	0	0.5	66D
HC66D1AAA	02/17/2000	D2216M	MOISTURE	4.1 *	PERCENT	NV	0	0.5	66D
HC66D1BAA	02/17/2000	350.2M	NITROGEN, AMMONIA (AS N)	8.3 J	MG/KG	II	1.5	2	66D
HC66D1BAA	02/17/2000	353.2M	NITRATE/NITRITE (AS N)	0.06 J	MG/KG	II	1.5	2	66D
HC66D1BAA	02/17/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	68.3 J	MG/KG	II	1.5	2	66D
HC66D1BAA	02/17/2000	8151	{ND on all 18} analytes			II	1.5	2	66D
HC66D1BAA	02/17/2000	8260LS	{ND on all 2} analytes			II	1.5	2	66D
HC66D1BAA	02/17/2000	8330N	{ND on all 19} analytes			II	1.5	2	66D
HC66D1BAA	02/17/2000	CYAN	{ND on all 1} analytes			II	1.5	2	66D
HC66D1BAA	02/17/2000	IM40HG	{ND on all 1} analytes			II	1.5	2	66D
HC66D1BAA	02/17/2000	IM40MB	ALUMINUM	1740 J	MG/KG	II	1.5	2	66D
HC66D1BAA	02/17/2000	IM40MB	BARIUM	5.2	MG/KG	II	1.5	2	66D
HC66D1BAA	02/17/2000	IM40MB	BORON	1.8	MG/KG	II	1.5	2	66D
HC66D1BAA	02/17/2000	IM40MB	CALCIUM	87.5 J	MG/KG	II	1.5	2	66D
HC66D1BAA	02/17/2000	IM40MB	CHROMIUM, TOTAL	2.8 J	MG/KG	II	1.5	2	66D
HC66D1BAA	02/17/2000	IM40MB	COBALT	1.6	MG/KG	II	1.5	2	66D
HC66D1BAA	02/17/2000	IM40MB	COPPER	2.8 J	MG/KG	II	1.5	2	66D
HC66D1BAA	02/17/2000	IM40MB	IRON	3260 J	MG/KG	II	1.5	2	66D
HC66D1BAA	02/17/2000	IM40MB	LEAD	2.3 J	MG/KG	II	1.5	2	66D
HC66D1BAA	02/17/2000	IM40MB	MAGNESIUM	496	MG/KG	II	1.5	2	66D
HC66D1BAA	02/17/2000	IM40MB	MANGANESE	57.2 J	MG/KG	II	1.5	2	66D
HC66D1BAA	02/17/2000	IM40MB	MOLYBDENUM	0.4 J	MG/KG	II	1.5	2	66D
HC66D1BAA	02/17/2000	IM40MB	NICKEL	1.6	MG/KG	II	1.5	2	66D

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVE	SBD	SED	LOCID
HC66D1BAA	02/17/2000	IM40MB	POTASSIUM	279	MG/KG	II	1.5	2	66D
HC66D1BAA	02/17/2000	IM40MB	SODIUM	164 J	MG/KG	II	1.5	2	66D
HC66D1BAA	02/17/2000	IM40MB	VANADIUM	5.6	MG/KG	II	1.5	2	66D
HC66D1BAA	02/17/2000	IM40MB	ZINC	7.6 J	MG/KG	II	1.5	2	66D
HC66D1BAA	02/17/2000	OM31B	{ND on all 64} analytes			II	1.5	2	66D
HC66D1BAA	02/17/2000	OM31P	{ND on all 28} analytes			II	1.5	2	66D
HC66D1BAA	02/17/2000	OM31V	ACETONE	24 J	UG/KG	II	1.5	2	66D
HC66D1BAA	02/17/2000	OM31V	TOLUENE	2 J	UG/KG	II	1.5	2	66D
HC66D1BAA	02/17/2000	TOC	TOTAL ORGANIC CARBON	107 J	MG/KG	II	1.5	2	66D
HC66D1BAA	02/17/2000	D2216M	MOISTURE	3.1 *	PERCENT	NV	1.5	2	66D
HC66E1AAA	02/18/2000	350.2M	NITROGEN, AMMONIA (AS N)	3.7 J	MG/KG	II	0	0.5	66E
HC66E1AAA	02/18/2000	353.2M	NITRATE/NITRITE (AS N)	0.1 J	MG/KG	II	0	0.5	66E
HC66E1AAA	02/18/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	59.6 J	MG/KG	II	0	0.5	66E
HC66E1AAA	02/18/2000	8151	CHLORAMBEN	6.6 NJ	UG/KG	II	0	0.5	66E
HC66E1AAA	02/18/2000	8330N	{ND on all 19} analytes			II	0	0.5	66E
HC66E1AAA	02/18/2000	CYAN	{ND on all 1} analytes			II	0	0.5	66E
HC66E1AAA	02/18/2000	IM40HG	{ND on all 1} analytes			II	0	0.5	66E
HC66E1AAA	02/18/2000	IM40MB	ALUMINUM	2470 J	MG/KG	II	0	0.5	66E
HC66E1AAA	02/18/2000	IM40MB	BARIUM	4.6	MG/KG	II	0	0.5	66E
HC66E1AAA	02/18/2000	IM40MB	CALCIUM	164 J	MG/KG	II	0	0.5	66E
HC66E1AAA	02/18/2000	IM40MB	CHROMIUM, TOTAL	5.2 J	MG/KG	II	0	0.5	66E
HC66E1AAA	02/18/2000	IM40MB	COBALT	1.1	MG/KG	II	0	0.5	66E
HC66E1AAA	02/18/2000	IM40MB	COPPER	2.3 J	MG/KG	II	0	0.5	66E
HC66E1AAA	02/18/2000	IM40MB	IRON	3080 J	MG/KG	II	0	0.5	66E
HC66E1AAA	02/18/2000	IM40MB	LEAD	3.4 J	MG/KG	II	0	0.5	66E
HC66E1AAA	02/18/2000	IM40MB	MAGNESIUM	424	MG/KG	II	0	0.5	66E
HC66E1AAA	02/18/2000	IM40MB	MANGANESE	99.4 J	MG/KG	II	0	0.5	66E
HC66E1AAA	02/18/2000	IM40MB	NICKEL	2	MG/KG	II	0	0.5	66E
HC66E1AAA	02/18/2000	IM40MB	POTASSIUM	214	MG/KG	II	0	0.5	66E
HC66E1AAA	02/18/2000	IM40MB	SELENIUM	0.68 J	MG/KG	II	0	0.5	66E
HC66E1AAA	02/18/2000	IM40MB	SODIUM	75.3	MG/KG	II	0	0.5	66E
HC66E1AAA	02/18/2000	IM40MB	VANADIUM	5.6	MG/KG	II	0	0.5	66E
HC66E1AAA	02/18/2000	IM40MB	ZINC	6 J	MG/KG	II	0	0.5	66E
HC66E1AAA	02/18/2000	OM31B	{ND on all 64} analytes			II	0	0.5	66E
HC66E1AAA	02/18/2000	OM31P	{ND on all 28} analytes			II	0	0.5	66E
HC66E1AAA	02/18/2000	TOC	TOTAL ORGANIC CARBON	1680 J	MG/KG	II	0	0.5	66E
HC66E1AAA	02/18/2000	D2216M	MOISTURE	6 *	PERCENT	NV	0	0.5	66E
HC66E1BAA	02/24/2000	350.2M	NITROGEN, AMMONIA (AS N)	4	MG/KG	II	1.5	2	66E
HC66E1BAA	02/24/2000	353.2M	NITRATE/NITRITE (AS N)	0.12	MG/KG	II	1.5	2	66E
HC66E1BAA	02/24/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	94.6	MG/KG	II	1.5	2	66E
HC66E1BAA	02/24/2000	8151	{ND on all 18} analytes			II	1.5	2	66E
HC66E1BAA	02/24/2000	8260LS	{ND on all 2} analytes			II	1.5	2	66E
HC66E1BAA	02/24/2000	8330N	{ND on all 19} analytes			II	1.5	2	66E
HC66E1BAA	02/24/2000	CYAN	{ND on all 1} analytes			II	1.5	2	66E
HC66E1BAA	02/24/2000	IM40HG	{ND on all 1} analytes			II	1.5	2	66E
HC66E1BAA	02/24/2000	IM40MB	ALUMINUM	3760	MG/KG	II	1.5	2	66E
HC66E1BAA	02/24/2000	IM40MB	BARIUM	9.4	MG/KG	II	1.5	2	66E
HC66E1BAA	02/24/2000	IM40MB	BERYLLIUM	0.76	MG/KG	II	1.5	2	66E
HC66E1BAA	02/24/2000	IM40MB	BORON	5.7	MG/KG	II	1.5	2	66E
HC66E1BAA	02/24/2000	IM40MB	CHROMIUM, TOTAL	4.8	MG/KG	II	1.5	2	66E
HC66E1BAA	02/24/2000	IM40MB	COBALT	2.2	MG/KG	II	1.5	2	66E
HC66E1BAA	02/24/2000	IM40MB	COPPER	4.6 J	MG/KG	II	1.5	2	66E
HC66E1BAA	02/24/2000	IM40MB	IRON	4340	MG/KG	II	1.5	2	66E
HC66E1BAA	02/24/2000	IM40MB	LEAD	5.7	MG/KG	II	1.5	2	66E
HC66E1BAA	02/24/2000	IM40MB	MAGNESIUM	879	MG/KG	II	1.5	2	66E
HC66E1BAA	02/24/2000	IM40MB	MANGANESE	62.1	MG/KG	II	1.5	2	66E

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVE	SBD	SED	LOCID
HC66E1BAA	02/24/2000	IM40MB	MOLYBDENUM	0.8 J	MG/KG	II	1.5	2	66E
HC66E1BAA	02/24/2000	IM40MB	NICKEL	3.6	MG/KG	II	1.5	2	66E
HC66E1BAA	02/24/2000	IM40MB	POTASSIUM	454	MG/KG	II	1.5	2	66E
HC66E1BAA	02/24/2000	IM40MB	VANADIUM	8.2	MG/KG	II	1.5	2	66E
HC66E1BAA	02/24/2000	IM40MB	ZINC	10.5 J	MG/KG	II	1.5	2	66E
HC66E1BAA	02/24/2000	OM31B	{ND on all 64} analytes			II	1.5	2	66E
HC66E1BAA	02/24/2000	OM31P	DDE (1,1-BIS(CHLOROPHENYL)-2,2-DICHLOROE	3.8	UG/KG	II	1.5	2	66E
HC66E1BAA	02/24/2000	OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2,2,2-TRICHLO	4.2	UG/KG	II	1.5	2	66E
HC66E1BAA	02/24/2000	OM31V	ACETONE	38 J	UG/KG	II	1.5	2	66E
HC66E1BAA	02/24/2000	OM31V	METHYL ETHYL KETONE (2-BUTANONE)	5 J	UG/KG	II	1.5	2	66E
HC66E1BAA	02/24/2000	OM31V	TOLUENE	1 J	UG/KG	II	1.5	2	66E
HC66E1BAA	02/24/2000	TOC	TOTAL ORGANIC CARBON	4950 J	MG/KG	II	1.5	2	66E
HC66E1BAA	02/24/2000	D2216M	MOISTURE	7 *	PERCENT	NV	1.5	2	66E
HC66F1AAA	02/18/2000	350.2M	NITROGEN, AMMONIA (AS N)	2.3 J	MG/KG	II	0	0.5	66F
HC66F1AAA	02/18/2000	353.2M	NITRATE/NITRITE (AS N)	0.05 J	MG/KG	II	0	0.5	66F
HC66F1AAA	02/18/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	44.9 J	MG/KG	II	0	0.5	66F
HC66F1AAA	02/18/2000	8151	{ND on all 18} analytes			II	0	0.5	66F
HC66F1AAA	02/18/2000	8330N	{ND on all 19} analytes			II	0	0.5	66F
HC66F1AAA	02/18/2000	CYAN	{ND on all 1} analytes			II	0	0.5	66F
HC66F1AAA	02/18/2000	IM40HG	{ND on all 1} analytes			II	0	0.5	66F
HC66F1AAA	02/18/2000	IM40MB	ALUMINUM	1450 J	MG/KG	II	0	0.5	66F
HC66F1AAA	02/18/2000	IM40MB	BARIUM	3.6	MG/KG	II	0	0.5	66F
HC66F1AAA	02/18/2000	IM40MB	CHROMIUM, TOTAL	1.4 J	MG/KG	II	0	0.5	66F
HC66F1AAA	02/18/2000	IM40MB	COBALT	0.78	MG/KG	II	0	0.5	66F
HC66F1AAA	02/18/2000	IM40MB	COPPER	1.5 J	MG/KG	II	0	0.5	66F
HC66F1AAA	02/18/2000	IM40MB	IRON	2100 J	MG/KG	II	0	0.5	66F
HC66F1AAA	02/18/2000	IM40MB	LEAD	1.7 J	MG/KG	II	0	0.5	66F
HC66F1AAA	02/18/2000	IM40MB	MAGNESIUM	227	MG/KG	II	0	0.5	66F
HC66F1AAA	02/18/2000	IM40MB	MANGANESE	24.2 J	MG/KG	II	0	0.5	66F
HC66F1AAA	02/18/2000	IM40MB	POTASSIUM	168	MG/KG	II	0	0.5	66F
HC66F1AAA	02/18/2000	IM40MB	SODIUM	95	MG/KG	II	0	0.5	66F
HC66F1AAA	02/18/2000	IM40MB	VANADIUM	3.6	MG/KG	II	0	0.5	66F
HC66F1AAA	02/18/2000	IM40MB	ZINC	4.7 J	MG/KG	II	0	0.5	66F
HC66F1AAA	02/18/2000	OM31B	{ND on all 64} analytes			II	0	0.5	66F
HC66F1AAA	02/18/2000	OM31P	{ND on all 28} analytes			II	0	0.5	66F
HC66F1AAA	02/18/2000	TOC	TOTAL ORGANIC CARBON	116 J	MG/KG	II	0	0.5	66F
HC66F1AAA	02/18/2000	D2216M	MOISTURE	3 *	PERCENT	NV	0	0.5	66F
HC66F1BAA	02/18/2000	350.2M	{ND on all 1} analytes			II	1.5	2	66F
HC66F1BAA	02/18/2000	353.2M	NITRATE/NITRITE (AS N)	0.08 J	MG/KG	II	1.5	2	66F
HC66F1BAA	02/18/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	52.7 J	MG/KG	II	1.5	2	66F
HC66F1BAA	02/18/2000	8151	2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	5.6 J	UG/KG	II	1.5	2	66F
HC66F1BAA	02/18/2000	8260LS	{ND on all 2} analytes			II	1.5	2	66F
HC66F1BAA	02/18/2000	8330N	{ND on all 19} analytes			II	1.5	2	66F
HC66F1BAA	02/18/2000	CYAN	{ND on all 1} analytes			II	1.5	2	66F
HC66F1BAA	02/18/2000	IM40HG	{ND on all 1} analytes			II	1.5	2	66F
HC66F1BAA	02/18/2000	IM40MB	ALUMINUM	1700 J	MG/KG	II	1.5	2	66F
HC66F1BAA	02/18/2000	IM40MB	ARSENIC	0.54 J	MG/KG	II	1.5	2	66F
HC66F1BAA	02/18/2000	IM40MB	BARIUM	4.8	MG/KG	II	1.5	2	66F
HC66F1BAA	02/18/2000	IM40MB	CHROMIUM, TOTAL	1.8 J	MG/KG	II	1.5	2	66F
HC66F1BAA	02/18/2000	IM40MB	COBALT	1.2	MG/KG	II	1.5	2	66F
HC66F1BAA	02/18/2000	IM40MB	COPPER	2.7 J	MG/KG	II	1.5	2	66F
HC66F1BAA	02/18/2000	IM40MB	IRON	2560 J	MG/KG	II	1.5	2	66F
HC66F1BAA	02/18/2000	IM40MB	LEAD	2.2 J	MG/KG	II	1.5	2	66F
HC66F1BAA	02/18/2000	IM40MB	MAGNESIUM	437	MG/KG	II	1.5	2	66F
HC66F1BAA	02/18/2000	IM40MB	MANGANESE	42.3 J	MG/KG	II	1.5	2	66F
HC66F1BAA	02/18/2000	IM40MB	NICKEL	1.7	MG/KG	II	1.5	2	66F

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVE	SBD	SED	LOCID
HC66F1BAA	02/18/2000	IM40MB	POTASSIUM	227	MG/KG	II	1.5	2	66F
HC66F1BAA	02/18/2000	IM40MB	SELENIUM	0.58 J	MG/KG	II	1.5	2	66F
HC66F1BAA	02/18/2000	IM40MB	SODIUM	80.7	MG/KG	II	1.5	2	66F
HC66F1BAA	02/18/2000	IM40MB	VANADIUM	4.3	MG/KG	II	1.5	2	66F
HC66F1BAA	02/18/2000	IM40MB	ZINC	6.6 J	MG/KG	II	1.5	2	66F
HC66F1BAA	02/18/2000	OM31B	{ND on all 64} analytes			II	1.5	2	66F
HC66F1BAA	02/18/2000	OM31P	{ND on all 28} analytes			II	1.5	2	66F
HC66F1BAA	02/18/2000	OM31V	ACETONE	10 J	UG/KG	II	1.5	2	66F
HC66F1BAA	02/18/2000	OM31V	TOLUENE	3 J	UG/KG	II	1.5	2	66F
HC66F1BAA	02/18/2000	TOC	TOTAL ORGANIC CARBON	201 J	MG/KG	II	1.5	2	66F
HC66F1BAA	02/18/2000	D2216M	MOISTURE	4.3 *	PERCENT	NV	1.5	2	66F
HC66F1BAD	02/18/2000	350.2M	{ND on all 1} analytes			II	1.5	2	66F
HC66F1BAD	02/18/2000	353.2M	NITRATE/NITRITE (AS N)	0.06 J	MG/KG	II	1.5	2	66F
HC66F1BAD	02/18/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	67.4 J	MG/KG	II	1.5	2	66F
HC66F1BAD	02/18/2000	8151	{ND on all 18} analytes			II	1.5	2	66F
HC66F1BAD	02/18/2000	8260LS	{ND on all 2} analytes			II	1.5	2	66F
HC66F1BAD	02/18/2000	8330N	{ND on all 19} analytes			II	1.5	2	66F
HC66F1BAD	02/18/2000	CYAN	{ND on all 1} analytes			II	1.5	2	66F
HC66F1BAD	02/18/2000	IM40HG	{ND on all 1} analytes			II	1.5	2	66F
HC66F1BAD	02/18/2000	IM40MB	ALUMINUM	1790 J	MG/KG	II	1.5	2	66F
HC66F1BAD	02/18/2000	IM40MB	BARIUM	5.3	MG/KG	II	1.5	2	66F
HC66F1BAD	02/18/2000	IM40MB	CHROMIUM, TOTAL	2.1 J	MG/KG	II	1.5	2	66F
HC66F1BAD	02/18/2000	IM40MB	COBALT	1.1	MG/KG	II	1.5	2	66F
HC66F1BAD	02/18/2000	IM40MB	COPPER	2.1 J	MG/KG	II	1.5	2	66F
HC66F1BAD	02/18/2000	IM40MB	IRON	2770 J	MG/KG	II	1.5	2	66F
HC66F1BAD	02/18/2000	IM40MB	LEAD	2.4 J	MG/KG	II	1.5	2	66F
HC66F1BAD	02/18/2000	IM40MB	MAGNESIUM	416	MG/KG	II	1.5	2	66F
HC66F1BAD	02/18/2000	IM40MB	MANGANESE	46.1 J	MG/KG	II	1.5	2	66F
HC66F1BAD	02/18/2000	IM40MB	MOLYBDENUM	0.37 J	MG/KG	II	1.5	2	66F
HC66F1BAD	02/18/2000	IM40MB	POTASSIUM	321	MG/KG	II	1.5	2	66F
HC66F1BAD	02/18/2000	IM40MB	SODIUM	91.1	MG/KG	II	1.5	2	66F
HC66F1BAD	02/18/2000	IM40MB	VANADIUM	4.6	MG/KG	II	1.5	2	66F
HC66F1BAD	02/18/2000	IM40MB	ZINC	8.3 J	MG/KG	II	1.5	2	66F
HC66F1BAD	02/18/2000	OM31B	{ND on all 64} analytes			II	1.5	2	66F
HC66F1BAD	02/18/2000	OM31P	{ND on all 28} analytes			II	1.5	2	66F
HC66F1BAD	02/18/2000	OM31V	ACETONE	13	UG/KG	II	1.5	2	66F
HC66F1BAD	02/18/2000	OM31V	TOLUENE	2 J	UG/KG	II	1.5	2	66F
HC66F1BAD	02/18/2000	TOC	TOTAL ORGANIC CARBON	279 J	MG/KG	II	1.5	2	66F
HC66F1BAD	02/18/2000	D2216M	MOISTURE	4.3 *	PERCENT	NV	1.5	2	66F
HC66G1AAA	02/22/2000	350.2M	NITROGEN, AMMONIA (AS N)	2.6 J	MG/KG	II	0	0.5	66G
HC66G1AAA	02/22/2000	353.2M	NITRATE/NITRITE (AS N)	0.02	MG/KG	II	0	0.5	66G
HC66G1AAA	02/22/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	56.2 J	MG/KG	II	0	0.5	66G
HC66G1AAA	02/22/2000	8151	{ND on all 18} analytes			II	0	0.5	66G
HC66G1AAA	02/22/2000	8330N	{ND on all 19} analytes			II	0	0.5	66G
HC66G1AAA	02/22/2000	CYAN	{ND on all 1} analytes			II	0	0.5	66G
HC66G1AAA	02/22/2000	IM40HG	{ND on all 1} analytes			II	0	0.5	66G
HC66G1AAA	02/22/2000	IM40MB	ALUMINUM	1510	MG/KG	II	0	0.5	66G
HC66G1AAA	02/22/2000	IM40MB	BARIUM	4.3	MG/KG	II	0	0.5	66G
HC66G1AAA	02/22/2000	IM40MB	BERYLLIUM	0.1	MG/KG	II	0	0.5	66G
HC66G1AAA	02/22/2000	IM40MB	CALCIUM	54.5	MG/KG	II	0	0.5	66G
HC66G1AAA	02/22/2000	IM40MB	COBALT	0.76	MG/KG	II	0	0.5	66G
HC66G1AAA	02/22/2000	IM40MB	COPPER	1.9	MG/KG	II	0	0.5	66G
HC66G1AAA	02/22/2000	IM40MB	IRON	2400	MG/KG	II	0	0.5	66G
HC66G1AAA	02/22/2000	IM40MB	LEAD	2.6 J	MG/KG	II	0	0.5	66G
HC66G1AAA	02/22/2000	IM40MB	MAGNESIUM	289	MG/KG	II	0	0.5	66G
HC66G1AAA	02/22/2000	IM40MB	MANGANESE	28.5	MG/KG	II	0	0.5	66G

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVEL	SBD	SED	LOCID
HC66G1AAA	02/22/2000	IM40MB	NICKEL	1.3 J	MG/KG	II	0	0.5	66G
HC66G1AAA	02/22/2000	IM40MB	POTASSIUM	260	MG/KG	II	0	0.5	66G
HC66G1AAA	02/22/2000	IM40MB	VANADIUM	4	MG/KG	II	0	0.5	66G
HC66G1AAA	02/22/2000	OM31B	{ND on all 64} analytes			II	0	0.5	66G
HC66G1AAA	02/22/2000	OM31P	{ND on all 28} analytes			II	0	0.5	66G
HC66G1AAA	02/22/2000	TOC	{ND on all 1} analytes			II	0	0.5	66G
HC66G1AAA	02/22/2000	D2216M	MOISTURE	8.4 *	PERCENT	NV	0	0.5	66G
HC66G1BAA	02/22/2000	350.2M	NITROGEN, AMMONIA (AS N)	4.8 J	MG/KG	II	1.5	2	66G
HC66G1BAA	02/22/2000	353.2M	NITRATE/NITRITE (AS N)	0.04	MG/KG	II	1.5	2	66G
HC66G1BAA	02/22/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	60.9 J	MG/KG	II	1.5	2	66G
HC66G1BAA	02/22/2000	8151	{ND on all 18} analytes			II	1.5	2	66G
HC66G1BAA	02/22/2000	8260LS	{ND on all 2} analytes			II	1.5	2	66G
HC66G1BAA	02/22/2000	8330N	{ND on all 19} analytes			II	1.5	2	66G
HC66G1BAA	02/22/2000	CYAN	{ND on all 1} analytes			II	1.5	2	66G
HC66G1BAA	02/22/2000	IM40HG	{ND on all 1} analytes			II	1.5	2	66G
HC66G1BAA	02/22/2000	IM40MB	ALUMINUM	1640	MG/KG	II	1.5	2	66G
HC66G1BAA	02/22/2000	IM40MB	BARIUM	4.4	MG/KG	II	1.5	2	66G
HC66G1BAA	02/22/2000	IM40MB	BERYLLIUM	0.11	MG/KG	II	1.5	2	66G
HC66G1BAA	02/22/2000	IM40MB	CALCIUM	46.6 J	MG/KG	II	1.5	2	66G
HC66G1BAA	02/22/2000	IM40MB	COBALT	0.74	MG/KG	II	1.5	2	66G
HC66G1BAA	02/22/2000	IM40MB	COPPER	1.7	MG/KG	II	1.5	2	66G
HC66G1BAA	02/22/2000	IM40MB	IRON	2410	MG/KG	II	1.5	2	66G
HC66G1BAA	02/22/2000	IM40MB	LEAD	2.1 J	MG/KG	II	1.5	2	66G
HC66G1BAA	02/22/2000	IM40MB	MAGNESIUM	308	MG/KG	II	1.5	2	66G
HC66G1BAA	02/22/2000	IM40MB	MANGANESE	28.7	MG/KG	II	1.5	2	66G
HC66G1BAA	02/22/2000	IM40MB	NICKEL	1.3 J	MG/KG	II	1.5	2	66G
HC66G1BAA	02/22/2000	IM40MB	POTASSIUM	252	MG/KG	II	1.5	2	66G
HC66G1BAA	02/22/2000	IM40MB	VANADIUM	4	MG/KG	II	1.5	2	66G
HC66G1BAA	02/22/2000	OM31B	{ND on all 64} analytes			II	1.5	2	66G
HC66G1BAA	02/22/2000	OM31P	{ND on all 28} analytes			II	1.5	2	66G
HC66G1BAA	02/22/2000	OM31V	ACETONE	13 J	UG/KG	II	1.5	2	66G
HC66G1BAA	02/22/2000	TOC	{ND on all 1} analytes			II	1.5	2	66G
HC66G1BAA	02/22/2000	D2216M	MOISTURE	4.1 *	PERCENT	NV	1.5	2	66G
HC66H1AAA	02/18/2000	350.2M	NITROGEN, AMMONIA (AS N)	6.9 J	MG/KG	II	0	0.5	66H
HC66H1AAA	02/18/2000	353.2M	{ND on all 1} analytes			II	0	0.5	66H
HC66H1AAA	02/18/2000	365.2	{ND on all 1} analytes			II	0	0.5	66H
HC66H1AAA	02/18/2000	8151	{ND on all 18} analytes			II	0	0.5	66H
HC66H1AAA	02/18/2000	8330N	{ND on all 19} analytes			II	0	0.5	66H
HC66H1AAA	02/18/2000	CYAN	{ND on all 1} analytes			II	0	0.5	66H
HC66H1AAA	02/18/2000	IM40HG	{ND on all 1} analytes			II	0	0.5	66H
HC66H1AAA	02/18/2000	IM40MB	ALUMINUM	6500	MG/KG	II	0	0.5	66H
HC66H1AAA	02/18/2000	IM40MB	ARSENIC	1.5 J	MG/KG	II	0	0.5	66H
HC66H1AAA	02/18/2000	IM40MB	BARIUM	8.4	MG/KG	II	0	0.5	66H
HC66H1AAA	02/18/2000	IM40MB	BERYLLIUM	0.1	MG/KG	II	0	0.5	66H
HC66H1AAA	02/18/2000	IM40MB	CHROMIUM, TOTAL	7.5	MG/KG	II	0	0.5	66H
HC66H1AAA	02/18/2000	IM40MB	COBALT	2.1	MG/KG	II	0	0.5	66H
HC66H1AAA	02/18/2000	IM40MB	COPPER	3.6	MG/KG	II	0	0.5	66H
HC66H1AAA	02/18/2000	IM40MB	IRON	7110	MG/KG	II	0	0.5	66H
HC66H1AAA	02/18/2000	IM40MB	LEAD	5.5 J	MG/KG	II	0	0.5	66H
HC66H1AAA	02/18/2000	IM40MB	MAGNESIUM	890	MG/KG	II	0	0.5	66H
HC66H1AAA	02/18/2000	IM40MB	MANGANESE	62.6 J	MG/KG	II	0	0.5	66H
HC66H1AAA	02/18/2000	IM40MB	MOLYBDENUM	0.55 J	MG/KG	II	0	0.5	66H
HC66H1AAA	02/18/2000	IM40MB	NICKEL	3.8 J	MG/KG	II	0	0.5	66H
HC66H1AAA	02/18/2000	IM40MB	POTASSIUM	411	MG/KG	II	0	0.5	66H
HC66H1AAA	02/18/2000	IM40MB	SELENIUM	0.83 J	MG/KG	II	0	0.5	66H
HC66H1AAA	02/18/2000	IM40MB	VANADIUM	12.6	MG/KG	II	0	0.5	66H

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVE	SBD	SED	LOCID
HC66H1AAA	02/18/2000	IM40MB	ZINC	15.2	MG/KG	II	0	0.5	66H
HC66H1AAA	02/18/2000	OM31B	{ND on all 64} analytes			II	0	0.5	66H
HC66H1AAA	02/18/2000	OM31P	{ND on all 28} analytes			II	0	0.5	66H
HC66H1AAA	02/18/2000	TOC	TOTAL ORGANIC CARBON	4730 J	MG/KG	II	0	0.5	66H
HC66H1AAA	02/18/2000	D2216M	MOISTURE	15.9 *	PERCENT	NV	0	0.5	66H
HC66H1BAA	02/18/2000	350.2M	NITROGEN, AMMONIA (AS N)	7.2 J	MG/KG	II	1.5	2	66H
HC66H1BAA	02/18/2000	353.2M	NITRATE/NITRITE (AS N)	0.08	MG/KG	II	1.5	2	66H
HC66H1BAA	02/18/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	77.5 J	MG/KG	II	1.5	2	66H
HC66H1BAA	02/18/2000	8151	{ND on all 18} analytes			II	1.5	2	66H
HC66H1BAA	02/18/2000	8260LS	{ND on all 2} analytes			II	1.5	2	66H
HC66H1BAA	02/18/2000	8330N	{ND on all 19} analytes			II	1.5	2	66H
HC66H1BAA	02/18/2000	CYAN	{ND on all 1} analytes			II	1.5	2	66H
HC66H1BAA	02/18/2000	IM40HG	{ND on all 1} analytes			II	1.5	2	66H
HC66H1BAA	02/18/2000	IM40MB	ALUMINUM	6270	MG/KG	II	1.5	2	66H
HC66H1BAA	02/18/2000	IM40MB	ARSENIC	2 J	MG/KG	II	1.5	2	66H
HC66H1BAA	02/18/2000	IM40MB	BARIUM	9.7	MG/KG	II	1.5	2	66H
HC66H1BAA	02/18/2000	IM40MB	BERYLLIUM	0.11	MG/KG	II	1.5	2	66H
HC66H1BAA	02/18/2000	IM40MB	CADMIUM	0.05 J	MG/KG	II	1.5	2	66H
HC66H1BAA	02/18/2000	IM40MB	CALCIUM	90.9 J	MG/KG	II	1.5	2	66H
HC66H1BAA	02/18/2000	IM40MB	CHROMIUM, TOTAL	7.6	MG/KG	II	1.5	2	66H
HC66H1BAA	02/18/2000	IM40MB	COBALT	2	MG/KG	II	1.5	2	66H
HC66H1BAA	02/18/2000	IM40MB	COPPER	3.5	MG/KG	II	1.5	2	66H
HC66H1BAA	02/18/2000	IM40MB	IRON	7250	MG/KG	II	1.5	2	66H
HC66H1BAA	02/18/2000	IM40MB	LEAD	7 J	MG/KG	II	1.5	2	66H
HC66H1BAA	02/18/2000	IM40MB	MAGNESIUM	808	MG/KG	II	1.5	2	66H
HC66H1BAA	02/18/2000	IM40MB	MANGANESE	51.8 J	MG/KG	II	1.5	2	66H
HC66H1BAA	02/18/2000	IM40MB	MOLYBDENUM	0.37 J	MG/KG	II	1.5	2	66H
HC66H1BAA	02/18/2000	IM40MB	NICKEL	3.9 J	MG/KG	II	1.5	2	66H
HC66H1BAA	02/18/2000	IM40MB	POTASSIUM	415	MG/KG	II	1.5	2	66H
HC66H1BAA	02/18/2000	IM40MB	SELENIUM	0.91 J	MG/KG	II	1.5	2	66H
HC66H1BAA	02/18/2000	IM40MB	VANADIUM	12.9	MG/KG	II	1.5	2	66H
HC66H1BAA	02/18/2000	IM40MB	ZINC	12.8	MG/KG	II	1.5	2	66H
HC66H1BAA	02/18/2000	OM31B	{ND on all 64} analytes			II	1.5	2	66H
HC66H1BAA	02/18/2000	OM31P	DDE (1,1-BIS(CHLOROPHENYL)-2,2-DICHLOROE	1.9 J	UG/KG	II	1.5	2	66H
HC66H1BAA	02/18/2000	OM31V	METHYL ETHYL KETONE (2-BUTANONE)	3 J	UG/KG	II	1.5	2	66H
HC66H1BAA	02/18/2000	OM31V	TOLUENE	2 J	UG/KG	II	1.5	2	66H
HC66H1BAA	02/18/2000	TOC	TOTAL ORGANIC CARBON	3770 J	MG/KG	II	1.5	2	66H
HC66H1BAA	02/18/2000	D2216M	MOISTURE	10.7 *	PERCENT	NV	1.5	2	66H
HC66I1AAA	02/18/2000	350.2M	NITROGEN, AMMONIA (AS N)	4.7 J	MG/KG	II	0	0.5	66I
HC66I1AAA	02/18/2000	353.2M	NITRATE/NITRITE (AS N)	0.1	MG/KG	II	0	0.5	66I
HC66I1AAA	02/18/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	60 J	MG/KG	II	0	0.5	66I
HC66I1AAA	02/18/2000	8151	{ND on all 18} analytes			II	0	0.5	66I
HC66I1AAA	02/18/2000	8330N	{ND on all 19} analytes			II	0	0.5	66I
HC66I1AAA	02/18/2000	CYAN	{ND on all 1} analytes			II	0	0.5	66I
HC66I1AAA	02/18/2000	IM40HG	{ND on all 1} analytes			II	0	0.5	66I
HC66I1AAA	02/18/2000	IM40MB	ALUMINUM	2210	MG/KG	II	0	0.5	66I
HC66I1AAA	02/18/2000	IM40MB	BARIUM	5.4	MG/KG	II	0	0.5	66I
HC66I1AAA	02/18/2000	IM40MB	BERYLLIUM	0.08	MG/KG	II	0	0.5	66I
HC66I1AAA	02/18/2000	IM40MB	CHROMIUM, TOTAL	3.3	MG/KG	II	0	0.5	66I
HC66I1AAA	02/18/2000	IM40MB	COBALT	1.3	MG/KG	II	0	0.5	66I
HC66I1AAA	02/18/2000	IM40MB	COPPER	2.7	MG/KG	II	0	0.5	66I
HC66I1AAA	02/18/2000	IM40MB	IRON	3240	MG/KG	II	0	0.5	66I
HC66I1AAA	02/18/2000	IM40MB	LEAD	3 J	MG/KG	II	0	0.5	66I
HC66I1AAA	02/18/2000	IM40MB	MAGNESIUM	533	MG/KG	II	0	0.5	66I
HC66I1AAA	02/18/2000	IM40MB	MANGANESE	50.2 J	MG/KG	II	0	0.5	66I
HC66I1AAA	02/18/2000	IM40MB	MOLYBDENUM	0.35 J	MG/KG	II	0	0.5	66I

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVE	SBD	SED	LOCID
HC66I1AAA	02/18/2000	IM40MB	NICKEL	1.8 J	MG/KG	II	0	0.5	66I
HC66I1AAA	02/18/2000	IM40MB	POTASSIUM	350	MG/KG	II	0	0.5	66I
HC66I1AAA	02/18/2000	IM40MB	VANADIUM	5.4	MG/KG	II	0	0.5	66I
HC66I1AAA	02/18/2000	OM31B	{ND on all 64} analytes			II	0	0.5	66I
HC66I1AAA	02/18/2000	OM31P	{ND on all 28} analytes			II	0	0.5	66I
HC66I1AAA	02/18/2000	TOC	TOTAL ORGANIC CARBON	750 J	MG/KG	II	0	0.5	66I
HC66I1AAA	02/18/2000	D2216M	MOISTURE	5.8 *	PERCENT	NV	0	0.5	66I
HC66I1BAA	02/24/2000	350.2M	{ND on all 1} analytes			II	1.5	2	66I
HC66I1BAA	02/24/2000	353.2M	NITRATE/NITRITE (AS N)	0.09	MG/KG	II	1.5	2	66I
HC66I1BAA	02/24/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	68.1 J	MG/KG	II	1.5	2	66I
HC66I1BAA	02/24/2000	8151	PENTACHLOROPHENOL	51	UG/KG	II	1.5	2	66I
HC66I1BAA	02/24/2000	8260LS	{ND on all 2} analytes			II	1.5	2	66I
HC66I1BAA	02/24/2000	8330N	{ND on all 19} analytes			II	1.5	2	66I
HC66I1BAA	02/24/2000	CYAN	{ND on all 1} analytes			II	1.5	2	66I
HC66I1BAA	02/24/2000	IM40HG	{ND on all 1} analytes			II	1.5	2	66I
HC66I1BAA	02/24/2000	IM40MB	ALUMINUM	4450	MG/KG	II	1.5	2	66I
HC66I1BAA	02/24/2000	IM40MB	BARIUM	8.9	MG/KG	II	1.5	2	66I
HC66I1BAA	02/24/2000	IM40MB	BERYLLIUM	0.2	MG/KG	II	1.5	2	66I
HC66I1BAA	02/24/2000	IM40MB	BORON	7	MG/KG	II	1.5	2	66I
HC66I1BAA	02/24/2000	IM40MB	CHROMIUM, TOTAL	6.7	MG/KG	II	1.5	2	66I
HC66I1BAA	02/24/2000	IM40MB	COBALT	3.7	MG/KG	II	1.5	2	66I
HC66I1BAA	02/24/2000	IM40MB	COPPER	7.2 J	MG/KG	II	1.5	2	66I
HC66I1BAA	02/24/2000	IM40MB	IRON	6130	MG/KG	II	1.5	2	66I
HC66I1BAA	02/24/2000	IM40MB	LEAD	3.8	MG/KG	II	1.5	2	66I
HC66I1BAA	02/24/2000	IM40MB	MAGNESIUM	896	MG/KG	II	1.5	2	66I
HC66I1BAA	02/24/2000	IM40MB	MANGANESE	396	MG/KG	II	1.5	2	66I
HC66I1BAA	02/24/2000	IM40MB	MOLYBDENUM	1.2 J	MG/KG	II	1.5	2	66I
HC66I1BAA	02/24/2000	IM40MB	NICKEL	5.1	MG/KG	II	1.5	2	66I
HC66I1BAA	02/24/2000	IM40MB	POTASSIUM	428	MG/KG	II	1.5	2	66I
HC66I1BAA	02/24/2000	IM40MB	VANADIUM	7.7	MG/KG	II	1.5	2	66I
HC66I1BAA	02/24/2000	IM40MB	ZINC	18.6 J	MG/KG	II	1.5	2	66I
HC66I1BAA	02/24/2000	OM31B	{ND on all 64} analytes			II	1.5	2	66I
HC66I1BAA	02/24/2000	OM31P	{ND on all 28} analytes			II	1.5	2	66I
HC66I1BAA	02/24/2000	OM31V	ACETONE	16 J	UG/KG	II	1.5	2	66I
HC66I1BAA	02/24/2000	OM31V	METHYL ETHYL KETONE (2-BUTANONE)	4 J	UG/KG	II	1.5	2	66I
HC66I1BAA	02/24/2000	OM31V	TOLUENE	1 J	UG/KG	II	1.5	2	66I
HC66I1BAA	02/24/2000	TOC	{ND on all 1} analytes			II	1.5	2	66I
HC66I1BAA	02/24/2000	D2216M	MOISTURE	4.9 *	PERCENT	NV	1.5	2	66I
HC66J1AAA	02/22/2000	350.2M	NITROGEN, AMMONIA (AS N)	37.6 J	MG/KG	II	0	0.5	66J
HC66J1AAA	02/22/2000	353.2M	NITRATE/NITRITE (AS N)	0.03	MG/KG	II	0	0.5	66J
HC66J1AAA	02/22/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	116 J	MG/KG	II	0	0.5	66J
HC66J1AAA	02/22/2000	8151	DICAMBA	9.7 J	UG/KG	II	0	0.5	66J
HC66J1AAA	02/22/2000	8151	PICLORAM	14 J	UG/KG	II	0	0.5	66J
HC66J1AAA	02/22/2000	8330N	{ND on all 19} analytes			II	0	0.5	66J
HC66J1AAA	02/22/2000	CYAN	{ND on all 1} analytes			II	0	0.5	66J
HC66J1AAA	02/22/2000	IM40HG	MERCURY	0.08 J	MG/KG	II	0	0.5	66J
HC66J1AAA	02/22/2000	IM40MB	ALUMINUM	5100	MG/KG	II	0	0.5	66J
HC66J1AAA	02/22/2000	IM40MB	ARSENIC	1.2	MG/KG	II	0	0.5	66J
HC66J1AAA	02/22/2000	IM40MB	BARIUM	9.2	MG/KG	II	0	0.5	66J
HC66J1AAA	02/22/2000	IM40MB	CALCIUM	194	MG/KG	II	0	0.5	66J
HC66J1AAA	02/22/2000	IM40MB	CHROMIUM, TOTAL	7.8 J	MG/KG	II	0	0.5	66J
HC66J1AAA	02/22/2000	IM40MB	COBALT	2.5	MG/KG	II	0	0.5	66J
HC66J1AAA	02/22/2000	IM40MB	COPPER	5.2	MG/KG	II	0	0.5	66J
HC66J1AAA	02/22/2000	IM40MB	IRON	7480	MG/KG	II	0	0.5	66J
HC66J1AAA	02/22/2000	IM40MB	LEAD	13.2 J	MG/KG	II	0	0.5	66J
HC66J1AAA	02/22/2000	IM40MB	MAGNESIUM	1240	MG/KG	II	0	0.5	66J

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVE	SBD	SED	LOCID
HC66J1AAA	02/22/2000	IM40MB	MANGANESE	84.5	MG/KG	II	0	0.5	66J
HC66J1AAA	02/22/2000	IM40MB	NICKEL	6 J	MG/KG	II	0	0.5	66J
HC66J1AAA	02/22/2000	IM40MB	POTASSIUM	364	MG/KG	II	0	0.5	66J
HC66J1AAA	02/22/2000	IM40MB	VANADIUM	19.7	MG/KG	II	0	0.5	66J
HC66J1AAA	02/22/2000	IM40MB	ZINC	13.5 J	MG/KG	II	0	0.5	66J
HC66J1AAA	02/22/2000	OM31B	BENZO(B)FLUORANTHENE	24 J	UG/KG	II	0	0.5	66J
HC66J1AAA	02/22/2000	OM31B	CHRYSENE	26 J	UG/KG	II	0	0.5	66J
HC66J1AAA	02/22/2000	OM31B	FLUORANTHENE	41 J	UG/KG	II	0	0.5	66J
HC66J1AAA	02/22/2000	OM31B	PHENANTHRENE	38 J	UG/KG	II	0	0.5	66J
HC66J1AAA	02/22/2000	OM31B	PYRENE	32 J	UG/KG	II	0	0.5	66J
HC66J1AAA	02/22/2000	OM31P	DDE (1,1-BIS(CHLOROPHENYL)-2,2-DICHLOROE	5.4 J	UG/KG	II	0	0.5	66J
HC66J1AAA	02/22/2000	OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2,2,2-TRICHLO	12 J	UG/KG	II	0	0.5	66J
HC66J1AAA	02/22/2000	TOC	TOTAL ORGANIC CARBON	27400	MG/KG	II	0	0.5	66J
HC66J1AAA	02/22/2000	D2216M	MOISTURE	20.9 *	PERCENT	NV	0	0.5	66J
HC66J1BAA	02/22/2000	350.2M	NITROGEN, AMMONIA (AS N)	10.1 J	MG/KG	II	1.5	2	66J
HC66J1BAA	02/22/2000	353.2M	NITRATE/NITRITE (AS N)	0.01	MG/KG	II	1.5	2	66J
HC66J1BAA	02/22/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	102 J	MG/KG	II	1.5	2	66J
HC66J1BAA	02/22/2000	8151	PICLORAM	6.1 NJ	UG/KG	II	1.5	2	66J
HC66J1BAA	02/22/2000	8260LS	{ND on all 2} analytes			II	1.5	2	66J
HC66J1BAA	02/22/2000	8330N	{ND on all 19} analytes			II	1.5	2	66J
HC66J1BAA	02/22/2000	CYAN	{ND on all 1} analytes			II	1.5	2	66J
HC66J1BAA	02/22/2000	IM40HG	{ND on all 1} analytes			II	1.5	2	66J
HC66J1BAA	02/22/2000	IM40MB	ALUMINUM	3610	MG/KG	II	1.5	2	66J
HC66J1BAA	02/22/2000	IM40MB	ARSENIC	0.87 J	MG/KG	II	1.5	2	66J
HC66J1BAA	02/22/2000	IM40MB	BARIUM	11.3	MG/KG	II	1.5	2	66J
HC66J1BAA	02/22/2000	IM40MB	CALCIUM	112	MG/KG	II	1.5	2	66J
HC66J1BAA	02/22/2000	IM40MB	CHROMIUM, TOTAL	4 J	MG/KG	II	1.5	2	66J
HC66J1BAA	02/22/2000	IM40MB	COBALT	1.8	MG/KG	II	1.5	2	66J
HC66J1BAA	02/22/2000	IM40MB	COPPER	4.4	MG/KG	II	1.5	2	66J
HC66J1BAA	02/22/2000	IM40MB	IRON	5630	MG/KG	II	1.5	2	66J
HC66J1BAA	02/22/2000	IM40MB	LEAD	5.1 J	MG/KG	II	1.5	2	66J
HC66J1BAA	02/22/2000	IM40MB	MAGNESIUM	1060	MG/KG	II	1.5	2	66J
HC66J1BAA	02/22/2000	IM40MB	MANGANESE	68	MG/KG	II	1.5	2	66J
HC66J1BAA	02/22/2000	IM40MB	NICKEL	3.5 J	MG/KG	II	1.5	2	66J
HC66J1BAA	02/22/2000	IM40MB	POTASSIUM	475	MG/KG	II	1.5	2	66J
HC66J1BAA	02/22/2000	IM40MB	VANADIUM	9.4	MG/KG	II	1.5	2	66J
HC66J1BAA	02/22/2000	IM40MB	ZINC	11.4 J	MG/KG	II	1.5	2	66J
HC66J1BAA	02/22/2000	OM31B	{ND on all 64} analytes			II	1.5	2	66J
HC66J1BAA	02/22/2000	OM31P	{ND on all 28} analytes			II	1.5	2	66J
HC66J1BAA	02/22/2000	OM31V	ACETONE	160 J	UG/KG	II	1.5	2	66J
HC66J1BAA	02/22/2000	OM31V	CHLOROFORM	11	UG/KG	II	1.5	2	66J
HC66J1BAA	02/22/2000	OM31V	CHLOROMETHANE	1 J	UG/KG	II	1.5	2	66J
HC66J1BAA	02/22/2000	OM31V	METHYL ETHYL KETONE (2-BUTANONE)	13	UG/KG	II	1.5	2	66J
HC66J1BAA	02/22/2000	TOC	TOTAL ORGANIC CARBON	13700	MG/KG	II	1.5	2	66J
HC66J1BAA	02/22/2000	D2216M	MOISTURE	6.7 *	PERCENT	NV	1.5	2	66J
HC66K1AAA	02/22/2000	350.2M	NITROGEN, AMMONIA (AS N)	8.6 J	MG/KG	II	0	0.5	66K
HC66K1AAA	02/22/2000	353.2M	NITRATE/NITRITE (AS N)	0.01	MG/KG	II	0	0.5	66K
HC66K1AAA	02/22/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	78.7 J	MG/KG	II	0	0.5	66K
HC66K1AAA	02/22/2000	8151	PICLORAM	6.4 NJ	UG/KG	II	0	0.5	66K
HC66K1AAA	02/22/2000	8330N	{ND on all 19} analytes			II	0	0.5	66K
HC66K1AAA	02/22/2000	CYAN	{ND on all 1} analytes			II	0	0.5	66K
HC66K1AAA	02/22/2000	IM40HG	{ND on all 1} analytes			II	0	0.5	66K
HC66K1AAA	02/22/2000	IM40MB	ALUMINUM	3470	MG/KG	II	0	0.5	66K
HC66K1AAA	02/22/2000	IM40MB	ARSENIC	0.68 J	MG/KG	II	0	0.5	66K
HC66K1AAA	02/22/2000	IM40MB	BARIUM	6.4	MG/KG	II	0	0.5	66K
HC66K1AAA	02/22/2000	IM40MB	CALCIUM	84.2	MG/KG	II	0	0.5	66K

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC		UNITS	VALLEVE	SBD	SED	LOCID
HC66K1AAA	02/22/2000	IM40MB	CHROMIUM, TOTAL	4.4	J	MG/KG	II	0	0.5	66K
HC66K1AAA	02/22/2000	IM40MB	COBALT	1.6		MG/KG	II	0	0.5	66K
HC66K1AAA	02/22/2000	IM40MB	COPPER	4.9		MG/KG	II	0	0.5	66K
HC66K1AAA	02/22/2000	IM40MB	IRON	4660		MG/KG	II	0	0.5	66K
HC66K1AAA	02/22/2000	IM40MB	LEAD	6	J	MG/KG	II	0	0.5	66K
HC66K1AAA	02/22/2000	IM40MB	MAGNESIUM	707		MG/KG	II	0	0.5	66K
HC66K1AAA	02/22/2000	IM40MB	MANGANESE	59.9		MG/KG	II	0	0.5	66K
HC66K1AAA	02/22/2000	IM40MB	NICKEL	3.1	J	MG/KG	II	0	0.5	66K
HC66K1AAA	02/22/2000	IM40MB	POTASSIUM	286		MG/KG	II	0	0.5	66K
HC66K1AAA	02/22/2000	IM40MB	VANADIUM	8.6		MG/KG	II	0	0.5	66K
HC66K1AAA	02/22/2000	IM40MB	ZINC	13	J	MG/KG	II	0	0.5	66K
HC66K1AAA	02/22/2000	OM31B	BIS(2-ETHYLHEXYL) PHTHALATE	110	J	UG/KG	II	0	0.5	66K
HC66K1AAA	02/22/2000	OM31P	{ND on all 28} analytes				II	0	0.5	66K
HC66K1AAA	02/22/2000	TOC	TOTAL ORGANIC CARBON	4690		MG/KG	II	0	0.5	66K
HC66K1AAA	02/22/2000	D2216M	MOISTURE	7.2	*	PERCENT	NV	0	0.5	66K
HC66K1BAA	02/22/2000	350.2M	NITROGEN, AMMONIA (AS N)	10.9	J	MG/KG	II	1.5	2	66K
HC66K1BAA	02/22/2000	353.2M	NITRATE/NITRITE (AS N)	0.02		MG/KG	II	1.5	2	66K
HC66K1BAA	02/22/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	75.8	J	MG/KG	II	1.5	2	66K
HC66K1BAA	02/22/2000	8151	DICAMBA	5.2	J	UG/KG	II	1.5	2	66K
HC66K1BAA	02/22/2000	8151	PICLORAM	5.6	NJ	UG/KG	II	1.5	2	66K
HC66K1BAA	02/22/2000	8260LS	{ND on all 2} analytes				II	1.5	2	66K
HC66K1BAA	02/22/2000	8330N	{ND on all 19} analytes				II	1.5	2	66K
HC66K1BAA	02/22/2000	CYAN	{ND on all 1} analytes				II	1.5	2	66K
HC66K1BAA	02/22/2000	IM40HG	MERCURY	0.06	J	MG/KG	II	1.5	2	66K
HC66K1BAA	02/22/2000	IM40MB	ALUMINUM	3170		MG/KG	II	1.5	2	66K
HC66K1BAA	02/22/2000	IM40MB	BARIUM	5.4		MG/KG	II	1.5	2	66K
HC66K1BAA	02/22/2000	IM40MB	CALCIUM	71		MG/KG	II	1.5	2	66K
HC66K1BAA	02/22/2000	IM40MB	CHROMIUM, TOTAL	3.9	J	MG/KG	II	1.5	2	66K
HC66K1BAA	02/22/2000	IM40MB	COBALT	1.4		MG/KG	II	1.5	2	66K
HC66K1BAA	02/22/2000	IM40MB	COPPER	3.7		MG/KG	II	1.5	2	66K
HC66K1BAA	02/22/2000	IM40MB	IRON	3690		MG/KG	II	1.5	2	66K
HC66K1BAA	02/22/2000	IM40MB	LEAD	4.2	J	MG/KG	II	1.5	2	66K
HC66K1BAA	02/22/2000	IM40MB	MAGNESIUM	454		MG/KG	II	1.5	2	66K
HC66K1BAA	02/22/2000	IM40MB	MANGANESE	49.4		MG/KG	II	1.5	2	66K
HC66K1BAA	02/22/2000	IM40MB	NICKEL	2.1	J	MG/KG	II	1.5	2	66K
HC66K1BAA	02/22/2000	IM40MB	POTASSIUM	237		MG/KG	II	1.5	2	66K
HC66K1BAA	02/22/2000	IM40MB	VANADIUM	6.9		MG/KG	II	1.5	2	66K
HC66K1BAA	02/22/2000	IM40MB	ZINC	8	J	MG/KG	II	1.5	2	66K
HC66K1BAA	02/22/2000	OM31B	BIS(2-ETHYLHEXYL) PHTHALATE	480		UG/KG	II	1.5	2	66K
HC66K1BAA	02/22/2000	OM31P	{ND on all 28} analytes				II	1.5	2	66K
HC66K1BAA	02/22/2000	OM31V	ACETONE	65	J	UG/KG	II	1.5	2	66K
HC66K1BAA	02/22/2000	OM31V	METHYL ETHYL KETONE (2-BUTANONE)	4	J	UG/KG	II	1.5	2	66K
HC66K1BAA	02/22/2000	TOC	TOTAL ORGANIC CARBON	3860	J	MG/KG	II	1.5	2	66K
HC66K1BAA	02/22/2000	D2216M	MOISTURE	7.1	*	PERCENT	NV	1.5	2	66K
HC66L1AAA	02/22/2000	350.2M	NITROGEN, AMMONIA (AS N)	7.7	J	MG/KG	II	0	0.5	66L
HC66L1AAA	02/22/2000	353.2M	NITRATE/NITRITE (AS N)	0.07		MG/KG	II	0	0.5	66L
HC66L1AAA	02/22/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	48.8	J	MG/KG	II	0	0.5	66L
HC66L1AAA	02/22/2000	8151	{ND on all 18} analytes				II	0	0.5	66L
HC66L1AAA	02/22/2000	8330N	{ND on all 19} analytes				II	0	0.5	66L
HC66L1AAA	02/22/2000	CYAN	{ND on all 1} analytes				II	0	0.5	66L
HC66L1AAA	02/22/2000	IM40HG	{ND on all 1} analytes				II	0	0.5	66L
HC66L1AAA	02/22/2000	IM40MB	ALUMINUM	3440		MG/KG	II	0	0.5	66L
HC66L1AAA	02/22/2000	IM40MB	ARSENIC	0.63	J	MG/KG	II	0	0.5	66L
HC66L1AAA	02/22/2000	IM40MB	BARIUM	6.2		MG/KG	II	0	0.5	66L
HC66L1AAA	02/22/2000	IM40MB	CALCIUM	78		MG/KG	II	0	0.5	66L
HC66L1AAA	02/22/2000	IM40MB	CHROMIUM, TOTAL	4.2	J	MG/KG	II	0	0.5	66L

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVEL	SBD	SED	LOCID
HC66L1AAA	02/22/2000	IM40MB	COBALT	2.2	MG/KG	II	0	0.5	66L
HC66L1AAA	02/22/2000	IM40MB	COPPER	5.6	MG/KG	II	0	0.5	66L
HC66L1AAA	02/22/2000	IM40MB	IRON	5700	MG/KG	II	0	0.5	66L
HC66L1AAA	02/22/2000	IM40MB	LEAD	4.3 J	MG/KG	II	0	0.5	66L
HC66L1AAA	02/22/2000	IM40MB	MAGNESIUM	1040	MG/KG	II	0	0.5	66L
HC66L1AAA	02/22/2000	IM40MB	MANGANESE	68.2	MG/KG	II	0	0.5	66L
HC66L1AAA	02/22/2000	IM40MB	NICKEL	3.2 J	MG/KG	II	0	0.5	66L
HC66L1AAA	02/22/2000	IM40MB	POTASSIUM	326	MG/KG	II	0	0.5	66L
HC66L1AAA	02/22/2000	IM40MB	VANADIUM	8.1	MG/KG	II	0	0.5	66L
HC66L1AAA	02/22/2000	IM40MB	ZINC	16.6 J	MG/KG	II	0	0.5	66L
HC66L1AAA	02/22/2000	OM31P	{ND on all 28} analytes			II	0	0.5	66L
HC66L1AAA	02/22/2000	TOC	TOTAL ORGANIC CARBON	109 J	MG/KG	II	0	0.5	66L
HC66L1AAA	02/22/2000	D2216M	MOISTURE	8.1 *	PERCENT	NV	0	0.5	66L
HC66L1AAA	02/22/2000	OM31B	{ND on all 64} analytes			II	0	0.5	66L
HC66L1BAA	02/22/2000	350.2M	NITROGEN, AMMONIA (AS N)	5.9 J	MG/KG	II	1.5	2	66L
HC66L1BAA	02/22/2000	353.2M	NITRATE/NITRITE (AS N)	0.12	MG/KG	II	1.5	2	66L
HC66L1BAA	02/22/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	57.5 J	MG/KG	II	1.5	2	66L
HC66L1BAA	02/22/2000	8151	{ND on all 18} analytes			II	1.5	2	66L
HC66L1BAA	02/22/2000	8260LS	{ND on all 2} analytes			II	1.5	2	66L
HC66L1BAA	02/22/2000	8330N	{ND on all 19} analytes			II	1.5	2	66L
HC66L1BAA	02/22/2000	CYAN	{ND on all 1} analytes			II	1.5	2	66L
HC66L1BAA	02/22/2000	IM40HG	{ND on all 1} analytes			II	1.5	2	66L
HC66L1BAA	02/22/2000	IM40MB	ALUMINUM	2170	MG/KG	II	1.5	2	66L
HC66L1BAA	02/22/2000	IM40MB	BARIUM	5.1	MG/KG	II	1.5	2	66L
HC66L1BAA	02/22/2000	IM40MB	CHROMIUM, TOTAL	4	MG/KG	II	1.5	2	66L
HC66L1BAA	02/22/2000	IM40MB	COBALT	0.74 J	MG/KG	II	1.5	2	66L
HC66L1BAA	02/22/2000	IM40MB	COPPER	3.5 J	MG/KG	II	1.5	2	66L
HC66L1BAA	02/22/2000	IM40MB	IRON	3250	MG/KG	II	1.5	2	66L
HC66L1BAA	02/22/2000	IM40MB	LEAD	3.8	MG/KG	II	1.5	2	66L
HC66L1BAA	02/22/2000	IM40MB	MAGNESIUM	490	MG/KG	II	1.5	2	66L
HC66L1BAA	02/22/2000	IM40MB	MANGANESE	61.4	MG/KG	II	1.5	2	66L
HC66L1BAA	02/22/2000	IM40MB	POTASSIUM	238	MG/KG	II	1.5	2	66L
HC66L1BAA	02/22/2000	IM40MB	VANADIUM	4.4	MG/KG	II	1.5	2	66L
HC66L1BAA	02/22/2000	OM31B	{ND on all 64} analytes			II	1.5	2	66L
HC66L1BAA	02/22/2000	OM31P	{ND on all 28} analytes			II	1.5	2	66L
HC66L1BAA	02/22/2000	OM31V	ACETONE	16 J	UG/KG	II	1.5	2	66L
HC66L1BAA	02/22/2000	OM31V	METHYL ETHYL KETONE (2-BUTANONE)	3 J	UG/KG	II	1.5	2	66L
HC66L1BAA	02/22/2000	OM31V	TOLUENE	0.9 J	UG/KG	II	1.5	2	66L
HC66L1BAA	02/22/2000	TOC	{ND on all 1} analytes			II	1.5	2	66L
HC66L1BAA	02/22/2000	D2216M	MOISTURE	5 *	PERCENT	NV	1.5	2	66L
HC66M1AAA	02/23/2000	350.2M	NITROGEN, AMMONIA (AS N)	3.7 J	MG/KG	II	0	0.5	66M
HC66M1AAA	02/23/2000	353.2M	NITRATE/NITRITE (AS N)	0.04	MG/KG	II	0	0.5	66M
HC66M1AAA	02/23/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	55.5 J	MG/KG	II	0	0.5	66M
HC66M1AAA	02/23/2000	8151	{ND on all 18} analytes			II	0	0.5	66M
HC66M1AAA	02/23/2000	8330N	{ND on all 19} analytes			II	0	0.5	66M
HC66M1AAA	02/23/2000	CYAN	{ND on all 1} analytes			II	0	0.5	66M
HC66M1AAA	02/23/2000	IM40HG	{ND on all 1} analytes			II	0	0.5	66M
HC66M1AAA	02/23/2000	IM40MB	ALUMINUM	1570	MG/KG	II	0	0.5	66M
HC66M1AAA	02/23/2000	IM40MB	BARIUM	4 J	MG/KG	II	0	0.5	66M
HC66M1AAA	02/23/2000	IM40MB	CHROMIUM, TOTAL	2	MG/KG	II	0	0.5	66M
HC66M1AAA	02/23/2000	IM40MB	COPPER	2.4 J	MG/KG	II	0	0.5	66M
HC66M1AAA	02/23/2000	IM40MB	IRON	2610	MG/KG	II	0	0.5	66M
HC66M1AAA	02/23/2000	IM40MB	LEAD	2.5	MG/KG	II	0	0.5	66M
HC66M1AAA	02/23/2000	IM40MB	MAGNESIUM	412	MG/KG	II	0	0.5	66M
HC66M1AAA	02/23/2000	IM40MB	MANGANESE	42.5	MG/KG	II	0	0.5	66M
HC66M1AAA	02/23/2000	IM40MB	POTASSIUM	240	MG/KG	II	0	0.5	66M

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVEL	SBD	SED	LOCID
HC66M1AAA	02/23/2000	IM40MB	VANADIUM	4.5	MG/KG	II	0	0.5	66M
HC66M1AAA	02/23/2000	OM31B	{ND on all 64} analytes			II	0	0.5	66M
HC66M1AAA	02/23/2000	OM31P	{ND on all 28} analytes			II	0	0.5	66M
HC66M1AAA	02/23/2000	TOC	{ND on all 1} analytes			II	0	0.5	66M
HC66M1AAA	02/23/2000	D2216M	MOISTURE	4.2 *	PERCENT	NV	0	0.5	66M
HC66M1AAD	02/23/2000	350.2M	NITROGEN, AMMONIA (AS N)	4.3 J	MG/KG	II	0	0.5	66M
HC66M1AAD	02/23/2000	353.2M	NITRATE/NITRITE (AS N)	0.04	MG/KG	II	0	0.5	66M
HC66M1AAD	02/23/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	76.1 J	MG/KG	II	0	0.5	66M
HC66M1AAD	02/23/2000	8151	DCPA (DACTHAL)	8.5 NJ	UG/KG	II	0	0.5	66M
HC66M1AAD	02/23/2000	8330N	{ND on all 19} analytes			II	0	0.5	66M
HC66M1AAD	02/23/2000	CYAN	{ND on all 1} analytes			II	0	0.5	66M
HC66M1AAD	02/23/2000	IM40HG	{ND on all 1} analytes			II	0	0.5	66M
HC66M1AAD	02/23/2000	IM40MB	ALUMINUM	1970	MG/KG	II	0	0.5	66M
HC66M1AAD	02/23/2000	IM40MB	BARIUM	5.3	MG/KG	II	0	0.5	66M
HC66M1AAD	02/23/2000	IM40MB	CHROMIUM, TOTAL	2.8	MG/KG	II	0	0.5	66M
HC66M1AAD	02/23/2000	IM40MB	COBALT	0.82 J	MG/KG	II	0	0.5	66M
HC66M1AAD	02/23/2000	IM40MB	COPPER	3.7 J	MG/KG	II	0	0.5	66M
HC66M1AAD	02/23/2000	IM40MB	IRON	3680	MG/KG	II	0	0.5	66M
HC66M1AAD	02/23/2000	IM40MB	LEAD	2.9	MG/KG	II	0	0.5	66M
HC66M1AAD	02/23/2000	IM40MB	MAGNESIUM	513	MG/KG	II	0	0.5	66M
HC66M1AAD	02/23/2000	IM40MB	MANGANESE	65.4	MG/KG	II	0	0.5	66M
HC66M1AAD	02/23/2000	IM40MB	POTASSIUM	253	MG/KG	II	0	0.5	66M
HC66M1AAD	02/23/2000	IM40MB	VANADIUM	5.4	MG/KG	II	0	0.5	66M
HC66M1AAD	02/23/2000	OM31B	{ND on all 64} analytes			II	0	0.5	66M
HC66M1AAD	02/23/2000	OM31P	{ND on all 28} analytes			II	0	0.5	66M
HC66M1AAD	02/23/2000	TOC	TOTAL ORGANIC CARBON	4230	MG/KG	II	0	0.5	66M
HC66M1AAD	02/23/2000	D2216M	MOISTURE	5.8 *	PERCENT	NV	0	0.5	66M
HC66M1BAA	02/23/2000	350.2M	NITROGEN, AMMONIA (AS N)	2.4 J	MG/KG	II	1.5	2	66M
HC66M1BAA	02/23/2000	353.2M	NITRATE/NITRITE (AS N)	0.04	MG/KG	II	1.5	2	66M
HC66M1BAA	02/23/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	51 J	MG/KG	II	1.5	2	66M
HC66M1BAA	02/23/2000	8151	{ND on all 18} analytes			II	1.5	2	66M
HC66M1BAA	02/23/2000	8260LS	{ND on all 2} analytes			II	1.5	2	66M
HC66M1BAA	02/23/2000	8330N	{ND on all 19} analytes			II	1.5	2	66M
HC66M1BAA	02/23/2000	CYAN	{ND on all 1} analytes			II	1.5	2	66M
HC66M1BAA	02/23/2000	IM40HG	{ND on all 1} analytes			II	1.5	2	66M
HC66M1BAA	02/23/2000	IM40MB	ALUMINUM	1250	MG/KG	II	1.5	2	66M
HC66M1BAA	02/23/2000	IM40MB	BARIUM	5.2	MG/KG	II	1.5	2	66M
HC66M1BAA	02/23/2000	IM40MB	CHROMIUM, TOTAL	3.5	MG/KG	II	1.5	2	66M
HC66M1BAA	02/23/2000	IM40MB	COPPER	7.8 J	MG/KG	II	1.5	2	66M
HC66M1BAA	02/23/2000	IM40MB	IRON	7130	MG/KG	II	1.5	2	66M
HC66M1BAA	02/23/2000	IM40MB	LEAD	3	MG/KG	II	1.5	2	66M
HC66M1BAA	02/23/2000	IM40MB	MAGNESIUM	358	MG/KG	II	1.5	2	66M
HC66M1BAA	02/23/2000	IM40MB	MANGANESE	157	MG/KG	II	1.5	2	66M
HC66M1BAA	02/23/2000	IM40MB	POTASSIUM	209	MG/KG	II	1.5	2	66M
HC66M1BAA	02/23/2000	IM40MB	VANADIUM	5.4	MG/KG	II	1.5	2	66M
HC66M1BAA	02/23/2000	IM40MB	ZINC	13.5	MG/KG	II	1.5	2	66M
HC66M1BAA	02/23/2000	OM31B	{ND on all 64} analytes			II	1.5	2	66M
HC66M1BAA	02/23/2000	OM31P	{ND on all 28} analytes			II	1.5	2	66M
HC66M1BAA	02/23/2000	OM31V	ACETONE	19 J	UG/KG	II	1.5	2	66M
HC66M1BAA	02/23/2000	OM31V	METHYL ETHYL KETONE (2-BUTANONE)	4 J	UG/KG	II	1.5	2	66M
HC66M1BAA	02/23/2000	OM31V	TOLUENE	1 J	UG/KG	II	1.5	2	66M
HC66M1BAA	02/23/2000	TOC	{ND on all 1} analytes			II	1.5	2	66M
HC66M1BAA	02/23/2000	D2216M	MOISTURE	2.8 *	PERCENT	NV	1.5	2	66M
HC66N1AAA	02/22/2000	350.2M	NITROGEN, AMMONIA (AS N)	4.8 J	MG/KG	II	0	0.5	66N
HC66N1AAA	02/22/2000	353.2M	NITRATE/NITRITE (AS N)	0.04	MG/KG	II	0	0.5	66N
HC66N1AAA	02/22/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	51.3 J	MG/KG	II	0	0.5	66N

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Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVEL	SBD	SED	LOCID
HC66N1AAA	02/22/2000	8151	{ND on all 18} analytes			II	0	0.5	66N
HC66N1AAA	02/22/2000	8330N	{ND on all 19} analytes			II	0	0.5	66N
HC66N1AAA	02/22/2000	CYAN	{ND on all 1} analytes			II	0	0.5	66N
HC66N1AAA	02/22/2000	IM40HG	{ND on all 1} analytes			II	0	0.5	66N
HC66N1AAA	02/22/2000	IM40MB	ALUMINUM	1490	MG/KG	II	0	0.5	66N
HC66N1AAA	02/22/2000	IM40MB	ARSENIC	0.69 J	MG/KG	II	0	0.5	66N
HC66N1AAA	02/22/2000	IM40MB	BARIUM	4.5	MG/KG	II	0	0.5	66N
HC66N1AAA	02/22/2000	IM40MB	CALCIUM	57.6 J	MG/KG	II	0	0.5	66N
HC66N1AAA	02/22/2000	IM40MB	COBALT	0.85	MG/KG	II	0	0.5	66N
HC66N1AAA	02/22/2000	IM40MB	COPPER	1.9	MG/KG	II	0	0.5	66N
HC66N1AAA	02/22/2000	IM40MB	IRON	2300	MG/KG	II	0	0.5	66N
HC66N1AAA	02/22/2000	IM40MB	LEAD	2 J	MG/KG	II	0	0.5	66N
HC66N1AAA	02/22/2000	IM40MB	MAGNESIUM	316	MG/KG	II	0	0.5	66N
HC66N1AAA	02/22/2000	IM40MB	MANGANESE	39.6	MG/KG	II	0	0.5	66N
HC66N1AAA	02/22/2000	IM40MB	NICKEL	1.2 J	MG/KG	II	0	0.5	66N
HC66N1AAA	02/22/2000	IM40MB	POTASSIUM	284	MG/KG	II	0	0.5	66N
HC66N1AAA	02/22/2000	IM40MB	VANADIUM	4	MG/KG	II	0	0.5	66N
HC66N1AAA	02/22/2000	OM31B	{ND on all 64} analytes			II	0	0.5	66N
HC66N1AAA	02/22/2000	OM31P	{ND on all 28} analytes			II	0	0.5	66N
HC66N1AAA	02/22/2000	TOC	{ND on all 1} analytes			II	0	0.5	66N
HC66N1AAA	02/22/2000	D2216M	MOISTURE	5.7 *	PERCENT	NV	0	0.5	66N
HC66N1BAA	02/22/2000	350.2M	NITROGEN, AMMONIA (AS N)	5.1 J	MG/KG	II	1.5	2	66N
HC66N1BAA	02/22/2000	353.2M	NITRATE/NITRITE (AS N)	0.03	MG/KG	II	1.5	2	66N
HC66N1BAA	02/22/2000	365.2	{ND on all 1} analytes			II	1.5	2	66N
HC66N1BAA	02/22/2000	8151	{ND on all 18} analytes			II	1.5	2	66N
HC66N1BAA	02/22/2000	8260LS	{ND on all 2} analytes			II	1.5	2	66N
HC66N1BAA	02/22/2000	8330N	{ND on all 19} analytes			II	1.5	2	66N
HC66N1BAA	02/22/2000	CYAN	{ND on all 1} analytes			II	1.5	2	66N
HC66N1BAA	02/22/2000	IM40HG	{ND on all 1} analytes			II	1.5	2	66N
HC66N1BAA	02/22/2000	IM40MB	ALUMINUM	1920	MG/KG	II	1.5	2	66N
HC66N1BAA	02/22/2000	IM40MB	ARSENIC	0.49 J	MG/KG	II	1.5	2	66N
HC66N1BAA	02/22/2000	IM40MB	BARIUM	4.7	MG/KG	II	1.5	2	66N
HC66N1BAA	02/22/2000	IM40MB	CALCIUM	59.6	MG/KG	II	1.5	2	66N
HC66N1BAA	02/22/2000	IM40MB	COBALT	1.1	MG/KG	II	1.5	2	66N
HC66N1BAA	02/22/2000	IM40MB	COPPER	2	MG/KG	II	1.5	2	66N
HC66N1BAA	02/22/2000	IM40MB	IRON	2690	MG/KG	II	1.5	2	66N
HC66N1BAA	02/22/2000	IM40MB	LEAD	2.1 J	MG/KG	II	1.5	2	66N
HC66N1BAA	02/22/2000	IM40MB	MAGNESIUM	471	MG/KG	II	1.5	2	66N
HC66N1BAA	02/22/2000	IM40MB	MANGANESE	37.8	MG/KG	II	1.5	2	66N
HC66N1BAA	02/22/2000	IM40MB	NICKEL	1.5 J	MG/KG	II	1.5	2	66N
HC66N1BAA	02/22/2000	IM40MB	POTASSIUM	262	MG/KG	II	1.5	2	66N
HC66N1BAA	02/22/2000	IM40MB	VANADIUM	4.7	MG/KG	II	1.5	2	66N
HC66N1BAA	02/22/2000	IM40MB	ZINC	6.6 J	MG/KG	II	1.5	2	66N
HC66N1BAA	02/22/2000	OM31B	{ND on all 64} analytes			II	1.5	2	66N
HC66N1BAA	02/22/2000	OM31P	{ND on all 28} analytes			II	1.5	2	66N
HC66N1BAA	02/22/2000	OM31V	ACETONE	15 J	UG/KG	II	1.5	2	66N
HC66N1BAA	02/22/2000	TOC	{ND on all 1} analytes			II	1.5	2	66N
HC66N1BAA	02/22/2000	D2216M	MOISTURE	4.5 *	PERCENT	NV	1.5	2	66N
HC66O1AAA	02/22/2000	350.2M	NITROGEN, AMMONIA (AS N)	4.3 J	MG/KG	II	0	0.5	66O
HC66O1AAA	02/22/2000	353.2M	NITRATE/NITRITE (AS N)	0.03	MG/KG	II	0	0.5	66O
HC66O1AAA	02/22/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	71.6 J	MG/KG	II	0	0.5	66O
HC66O1AAA	02/22/2000	8151	{ND on all 18} analytes			II	0	0.5	66O
HC66O1AAA	02/22/2000	8330N	{ND on all 19} analytes			II	0	0.5	66O
HC66O1AAA	02/22/2000	CYAN	{ND on all 1} analytes			II	0	0.5	66O
HC66O1AAA	02/22/2000	IM40HG	{ND on all 1} analytes			II	0	0.5	66O
HC66O1AAA	02/22/2000	IM40MB	ALUMINUM	3380	MG/KG	II	0	0.5	66O

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVEL	SBD	SED	LOCID
HC66O1AAA	02/22/2000	IM40MB	BARIUM	10.4	MG/KG	II	0	0.5	66O
HC66O1AAA	02/22/2000	IM40MB	BERYLLIUM	0.42	MG/KG	II	0	0.5	66O
HC66O1AAA	02/22/2000	IM40MB	CHROMIUM, TOTAL	7.5	MG/KG	II	0	0.5	66O
HC66O1AAA	02/22/2000	IM40MB	COBALT	2.2 J	MG/KG	II	0	0.5	66O
HC66O1AAA	02/22/2000	IM40MB	COPPER	5.1	MG/KG	II	0	0.5	66O
HC66O1AAA	02/22/2000	IM40MB	IRON	10600	MG/KG	II	0	0.5	66O
HC66O1AAA	02/22/2000	IM40MB	LEAD	2.8	MG/KG	II	0	0.5	66O
HC66O1AAA	02/22/2000	IM40MB	MAGNESIUM	1060	MG/KG	II	0	0.5	66O
HC66O1AAA	02/22/2000	IM40MB	MANGANESE	141	MG/KG	II	0	0.5	66O
HC66O1AAA	02/22/2000	IM40MB	NICKEL	7.5	MG/KG	II	0	0.5	66O
HC66O1AAA	02/22/2000	IM40MB	POTASSIUM	394	MG/KG	II	0	0.5	66O
HC66O1AAA	02/22/2000	IM40MB	VANADIUM	9.3	MG/KG	II	0	0.5	66O
HC66O1AAA	02/22/2000	IM40MB	ZINC	14.2	MG/KG	II	0	0.5	66O
HC66O1AAA	02/22/2000	OM31B	{ND on all 64} analytes			II	0	0.5	66O
HC66O1AAA	02/22/2000	OM31P	{ND on all 28} analytes			II	0	0.5	66O
HC66O1AAA	02/22/2000	TOC	{ND on all 1} analytes			II	0	0.5	66O
HC66O1AAA	02/22/2000	D2216M	MOISTURE	5.7 *	PERCENT	NV	0	0.5	66O
HC66O1BAA	02/22/2000	350.2M	NITROGEN, AMMONIA (AS N)	6.1 J	MG/KG	II	1.5	2	66O
HC66O1BAA	02/22/2000	353.2M	NITRATE/NITRITE (AS N)	0.05	MG/KG	II	1.5	2	66O
HC66O1BAA	02/22/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	67.3 J	MG/KG	II	1.5	2	66O
HC66O1BAA	02/22/2000	8151	{ND on all 18} analytes			II	1.5	2	66O
HC66O1BAA	02/22/2000	8260LS	{ND on all 2} analytes			II	1.5	2	66O
HC66O1BAA	02/22/2000	8330N	{ND on all 19} analytes			II	1.5	2	66O
HC66O1BAA	02/22/2000	CYAN	{ND on all 1} analytes			II	1.5	2	66O
HC66O1BAA	02/22/2000	IM40HG	{ND on all 1} analytes			II	1.5	2	66O
HC66O1BAA	02/22/2000	IM40MB	ALUMINUM	1980	MG/KG	II	1.5	2	66O
HC66O1BAA	02/22/2000	IM40MB	BARIUM	6.3	MG/KG	II	1.5	2	66O
HC66O1BAA	02/22/2000	IM40MB	CHROMIUM, TOTAL	2.7	MG/KG	II	1.5	2	66O
HC66O1BAA	02/22/2000	IM40MB	COBALT	0.7 J	MG/KG	II	1.5	2	66O
HC66O1BAA	02/22/2000	IM40MB	COPPER	2.9 J	MG/KG	II	1.5	2	66O
HC66O1BAA	02/22/2000	IM40MB	IRON	3070	MG/KG	II	1.5	2	66O
HC66O1BAA	02/22/2000	IM40MB	LEAD	2.7	MG/KG	II	1.5	2	66O
HC66O1BAA	02/22/2000	IM40MB	MAGNESIUM	508	MG/KG	II	1.5	2	66O
HC66O1BAA	02/22/2000	IM40MB	MANGANESE	61.7	MG/KG	II	1.5	2	66O
HC66O1BAA	02/22/2000	IM40MB	POTASSIUM	297	MG/KG	II	1.5	2	66O
HC66O1BAA	02/22/2000	IM40MB	VANADIUM	4.7	MG/KG	II	1.5	2	66O
HC66O1BAA	02/22/2000	OM31B	{ND on all 64} analytes			II	1.5	2	66O
HC66O1BAA	02/22/2000	OM31P	{ND on all 28} analytes			II	1.5	2	66O
HC66O1BAA	02/22/2000	OM31V	ACETONE	21 J	UG/KG	II	1.5	2	66O
HC66O1BAA	02/22/2000	OM31V	METHYL ETHYL KETONE (2-BUTANONE)	4 J	UG/KG	II	1.5	2	66O
HC66O1BAA	02/22/2000	OM31V	TOLUENE	1 J	UG/KG	II	1.5	2	66O
HC66O1BAA	02/22/2000	TOC	{ND on all 1} analytes			II	1.5	2	66O
HC66O1BAA	02/22/2000	D2216M	MOISTURE	5.2 *	PERCENT	NV	1.5	2	66O
HC66P1AAA	02/23/2000	350.2M	NITROGEN, AMMONIA (AS N)	3.3 J	MG/KG	II	0	0.5	66P
HC66P1AAA	02/23/2000	353.2M	NITRATE/NITRITE (AS N)	0.03	MG/KG	II	0	0.5	66P
HC66P1AAA	02/23/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	68.1 J	MG/KG	II	0	0.5	66P
HC66P1AAA	02/23/2000	8151	{ND on all 18} analytes			II	0	0.5	66P
HC66P1AAA	02/23/2000	8330N	{ND on all 19} analytes			II	0	0.5	66P
HC66P1AAA	02/23/2000	CYAN	{ND on all 1} analytes			II	0	0.5	66P
HC66P1AAA	02/23/2000	IM40HG	{ND on all 1} analytes			II	0	0.5	66P
HC66P1AAA	02/23/2000	IM40MB	ALUMINUM	2090	MG/KG	II	0	0.5	66P
HC66P1AAA	02/23/2000	IM40MB	BARIUM	7.4	MG/KG	II	0	0.5	66P
HC66P1AAA	02/23/2000	IM40MB	CALCIUM	91.1 J	MG/KG	II	0	0.5	66P
HC66P1AAA	02/23/2000	IM40MB	CHROMIUM, TOTAL	3.3	MG/KG	II	0	0.5	66P
HC66P1AAA	02/23/2000	IM40MB	COPPER	3.5 J	MG/KG	II	0	0.5	66P
HC66P1AAA	02/23/2000	IM40MB	IRON	3360	MG/KG	II	0	0.5	66P

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVE	SBD	SED	LOCID
HC66P1AAA	02/23/2000	IM40MB	LEAD	3	MG/KG	II	0	0.5	66P
HC66P1AAA	02/23/2000	IM40MB	MAGNESIUM	681	MG/KG	II	0	0.5	66P
HC66P1AAA	02/23/2000	IM40MB	MANGANESE	81.3	MG/KG	II	0	0.5	66P
HC66P1AAA	02/23/2000	IM40MB	POTASSIUM	355	MG/KG	II	0	0.5	66P
HC66P1AAA	02/23/2000	IM40MB	VANADIUM	4.8	MG/KG	II	0	0.5	66P
HC66P1AAA	02/23/2000	OM31B	{ND on all 64} analytes			II	0	0.5	66P
HC66P1AAA	02/23/2000	OM31P	{ND on all 28} analytes			II	0	0.5	66P
HC66P1AAA	02/23/2000	TOC	{ND on all 1} analytes			II	0	0.5	66P
HC66P1AAA	02/23/2000	D2216M	MOISTURE	5.7 *	PERCENT	NV	0	0.5	66P
HC66P1BAA	02/23/2000	350.2M	{ND on all 1} analytes			II	1.5	2	66P
HC66P1BAA	02/23/2000	353.2M	NITRATE/NITRITE (AS N)	0.03	MG/KG	II	1.5	2	66P
HC66P1BAA	02/23/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	89.4 J	MG/KG	II	1.5	2	66P
HC66P1BAA	02/23/2000	8151	{ND on all 18} analytes			II	1.5	2	66P
HC66P1BAA	02/23/2000	8260LS	{ND on all 2} analytes			II	1.5	2	66P
HC66P1BAA	02/23/2000	8330N	{ND on all 19} analytes			II	1.5	2	66P
HC66P1BAA	02/23/2000	CYAN	{ND on all 1} analytes			II	1.5	2	66P
HC66P1BAA	02/23/2000	IM40HG	{ND on all 1} analytes			II	1.5	2	66P
HC66P1BAA	02/23/2000	IM40MB	ALUMINUM	2290	MG/KG	II	1.5	2	66P
HC66P1BAA	02/23/2000	IM40MB	BARIUM	8.7	MG/KG	II	1.5	2	66P
HC66P1BAA	02/23/2000	IM40MB	BERYLLIUM	0.14 J	MG/KG	II	1.5	2	66P
HC66P1BAA	02/23/2000	IM40MB	CALCIUM	98.4 J	MG/KG	II	1.5	2	66P
HC66P1BAA	02/23/2000	IM40MB	CHROMIUM, TOTAL	4.3	MG/KG	II	1.5	2	66P
HC66P1BAA	02/23/2000	IM40MB	COBALT	1.1 J	MG/KG	II	1.5	2	66P
HC66P1BAA	02/23/2000	IM40MB	COPPER	3.9 J	MG/KG	II	1.5	2	66P
HC66P1BAA	02/23/2000	IM40MB	IRON	3800	MG/KG	II	1.5	2	66P
HC66P1BAA	02/23/2000	IM40MB	LEAD	3.2	MG/KG	II	1.5	2	66P
HC66P1BAA	02/23/2000	IM40MB	MAGNESIUM	750	MG/KG	II	1.5	2	66P
HC66P1BAA	02/23/2000	IM40MB	MANGANESE	86.9	MG/KG	II	1.5	2	66P
HC66P1BAA	02/23/2000	IM40MB	POTASSIUM	481	MG/KG	II	1.5	2	66P
HC66P1BAA	02/23/2000	IM40MB	VANADIUM	5.4	MG/KG	II	1.5	2	66P
HC66P1BAA	02/23/2000	OM31B	BIS(2-ETHYLHEXYL) PHTHALATE	40 J	UG/KG	II	1.5	2	66P
HC66P1BAA	02/23/2000	OM31P	{ND on all 28} analytes			II	1.5	2	66P
HC66P1BAA	02/23/2000	OM31V	ACETONE	24 J	UG/KG	II	1.5	2	66P
HC66P1BAA	02/23/2000	OM31V	METHYL ETHYL KETONE (2-BUTANONE)	5 J	UG/KG	II	1.5	2	66P
HC66P1BAA	02/23/2000	TOC	TOTAL ORGANIC CARBON	4750	MG/KG	II	1.5	2	66P
HC66P1BAA	02/23/2000	D2216M	MOISTURE	3.9 *	PERCENT	NV	1.5	2	66P
HC66Q1AAA	02/23/2000	350.2M	NITROGEN, AMMONIA (AS N)	11.7 J	MG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	353.2M	NITRATE/NITRITE (AS N)	1.2	MG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	62.9 J	MG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	8151	PENTACHLOROPHENOL	8.2 J	UG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	8330N	{ND on all 19} analytes			II	0	0.5	66Q
HC66Q1AAA	02/23/2000	CYAN	{ND on all 1} analytes			II	0	0.5	66Q
HC66Q1AAA	02/23/2000	IM40HG	{ND on all 1} analytes			II	0	0.5	66Q
HC66Q1AAA	02/23/2000	IM40MB	ALUMINUM	4020	MG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	IM40MB	ARSENIC	0.76 J	MG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	IM40MB	BARIUM	8.3	MG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	IM40MB	CALCIUM	133 J	MG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	IM40MB	CHROMIUM, TOTAL	4.3	MG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	IM40MB	COBALT	1.3 J	MG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	IM40MB	COPPER	5.1 J	MG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	IM40MB	IRON	6350	MG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	IM40MB	LEAD	7.4	MG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	IM40MB	MAGNESIUM	495	MG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	IM40MB	MANGANESE	117	MG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	IM40MB	POTASSIUM	343	MG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	IM40MB	VANADIUM	8.1	MG/KG	II	0	0.5	66Q

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVE	SBD	SED	LOCID
HC66Q1AAA	02/23/2000	IM40MB	ZINC	17.3	MG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	OM31B	ANTHRACENE	17 J	UG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	OM31B	BENZO(A)ANTHRACENE	120 J	UG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	OM31B	BENZO(A)PYRENE	89 J	UG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	OM31B	BENZO(B)FLUORANTHENE	160 J	UG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	OM31B	BENZO(G,H,I)PERYLENE	57 J	UG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	OM31B	BENZO(K)FLUORANTHENE	130 J	UG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	OM31B	CHRYSENE	200 J	UG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	OM31B	DIBENZ(A,H)ANTHRACENE	26 J	UG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	OM31B	FLUORANTHENE	280 J	UG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	OM31B	INDENO(1,2,3-C,D)PYRENE	61 J	UG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	OM31B	PHENANTHRENE	74 J	UG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	OM31B	PYRENE	260 J	UG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2,2,2-TRICHLO	4.5 J	UG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	OM31P	DIELDRIN	18	UG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	OM31P	ENDOSULFAN SULFATE	2.1 NJ	UG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	OM31P	ENDRIN ALDEHYDE	2.9 J	UG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	OM31P	PCB-1260 (AROCHLOR 1260)	30 J	UG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	TOC	TOTAL ORGANIC CARBON	7970	MG/KG	II	0	0.5	66Q
HC66Q1AAA	02/23/2000	D2216M	MOISTURE	11.5 *	PERCENT	NV	0	0.5	66Q
HC66Q1BAA	02/23/2000	350.2M	NITROGEN, AMMONIA (AS N)	13.3	MG/KG	II	1.5	2	66Q
HC66Q1BAA	02/23/2000	353.2M	NITRATE/NITRITE (AS N)	0.93	MG/KG	II	1.5	2	66Q
HC66Q1BAA	02/23/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	72.9 J	MG/KG	II	1.5	2	66Q
HC66Q1BAA	02/23/2000	8151	{ND on all 18} analytes			II	1.5	2	66Q
HC66Q1BAA	02/23/2000	8260LS	{ND on all 2} analytes			II	1.5	2	66Q
HC66Q1BAA	02/23/2000	8330N	{ND on all 19} analytes			II	1.5	2	66Q
HC66Q1BAA	02/23/2000	CYAN	{ND on all 1} analytes			II	1.5	2	66Q
HC66Q1BAA	02/23/2000	IM40HG	{ND on all 1} analytes			II	1.5	2	66Q
HC66Q1BAA	02/23/2000	IM40MB	ALUMINUM	4750	MG/KG	II	1.5	2	66Q
HC66Q1BAA	02/23/2000	IM40MB	BARIUM	9.3	MG/KG	II	1.5	2	66Q
HC66Q1BAA	02/23/2000	IM40MB	CALCIUM	155 J	MG/KG	II	1.5	2	66Q
HC66Q1BAA	02/23/2000	IM40MB	CHROMIUM, TOTAL	7	MG/KG	II	1.5	2	66Q
HC66Q1BAA	02/23/2000	IM40MB	COBALT	0.89 J	MG/KG	II	1.5	2	66Q
HC66Q1BAA	02/23/2000	IM40MB	COPPER	4.4 J	MG/KG	II	1.5	2	66Q
HC66Q1BAA	02/23/2000	IM40MB	IRON	6060	MG/KG	II	1.5	2	66Q
HC66Q1BAA	02/23/2000	IM40MB	LEAD	6.3	MG/KG	II	1.5	2	66Q
HC66Q1BAA	02/23/2000	IM40MB	MAGNESIUM	601	MG/KG	II	1.5	2	66Q
HC66Q1BAA	02/23/2000	IM40MB	MANGANESE	83.6	MG/KG	II	1.5	2	66Q
HC66Q1BAA	02/23/2000	IM40MB	POTASSIUM	389	MG/KG	II	1.5	2	66Q
HC66Q1BAA	02/23/2000	IM40MB	VANADIUM	9.3	MG/KG	II	1.5	2	66Q
HC66Q1BAA	02/23/2000	IM40MB	ZINC	14.4	MG/KG	II	1.5	2	66Q
HC66Q1BAA	02/23/2000	OM31B	BENZO(A)ANTHRACENE	20 J	UG/KG	II	1.5	2	66Q
HC66Q1BAA	02/23/2000	OM31B	BENZO(B)FLUORANTHENE	22 J	UG/KG	II	1.5	2	66Q
HC66Q1BAA	02/23/2000	OM31B	BENZO(K)FLUORANTHENE	27 J	UG/KG	II	1.5	2	66Q
HC66Q1BAA	02/23/2000	OM31B	CHRYSENE	31 J	UG/KG	II	1.5	2	66Q
HC66Q1BAA	02/23/2000	OM31B	FLUORANTHENE	45 J	UG/KG	II	1.5	2	66Q
HC66Q1BAA	02/23/2000	OM31B	PYRENE	42 J	UG/KG	II	1.5	2	66Q
HC66Q1BAA	02/23/2000	OM31P	DIELDRIN	6.5	UG/KG	II	1.5	2	66Q
HC66Q1BAA	02/23/2000	OM31V	ACETONE	75 J	UG/KG	II	1.5	2	66Q
HC66Q1BAA	02/23/2000	OM31V	METHYL ETHYL KETONE (2-BUTANONE)	8 J	UG/KG	II	1.5	2	66Q
HC66Q1BAA	02/23/2000	TOC	TOTAL ORGANIC CARBON	1970	MG/KG	II	1.5	2	66Q
HC66Q1BAA	02/23/2000	D2216M	MOISTURE	9.5 *	PERCENT	NV	1.5	2	66Q
HC66R1AAA	02/23/2000	350.2M	NITROGEN, AMMONIA (AS N)	10.5 J	MG/KG	II	0	0.5	66R
HC66R1AAA	02/23/2000	353.2M	NITRATE/NITRITE (AS N)	0.08	MG/KG	II	0	0.5	66R
HC66R1AAA	02/23/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	81.8	MG/KG	II	0	0.5	66R
HC66R1AAA	02/23/2000	8151	{ND on all 18} analytes			II	0	0.5	66R

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVE	SBD	SED	LOCID
HC66R1AAA	02/23/2000	8330N	{ND on all 19} analytes			II	0	0.5	66R
HC66R1AAA	02/23/2000	CYAN	{ND on all 1} analytes			II	0	0.5	66R
HC66R1AAA	02/23/2000	IM40HG	{ND on all 1} analytes			II	0	0.5	66R
HC66R1AAA	02/23/2000	IM40MB	ALUMINUM	3340	MG/KG	II	0	0.5	66R
HC66R1AAA	02/23/2000	IM40MB	ARSENIC	1.1	MG/KG	II	0	0.5	66R
HC66R1AAA	02/23/2000	IM40MB	BARIUM	6.6	MG/KG	II	0	0.5	66R
HC66R1AAA	02/23/2000	IM40MB	BERYLLIUM	0.12	MG/KG	II	0	0.5	66R
HC66R1AAA	02/23/2000	IM40MB	CALCIUM	99.3 J	MG/KG	II	0	0.5	66R
HC66R1AAA	02/23/2000	IM40MB	CHROMIUM, TOTAL	4.4	MG/KG	II	0	0.5	66R
HC66R1AAA	02/23/2000	IM40MB	COBALT	2.1	MG/KG	II	0	0.5	66R
HC66R1AAA	02/23/2000	IM40MB	COPPER	5.7 J	MG/KG	II	0	0.5	66R
HC66R1AAA	02/23/2000	IM40MB	IRON	4970	MG/KG	II	0	0.5	66R
HC66R1AAA	02/23/2000	IM40MB	LEAD	5.8	MG/KG	II	0	0.5	66R
HC66R1AAA	02/23/2000	IM40MB	MAGNESIUM	933	MG/KG	II	0	0.5	66R
HC66R1AAA	02/23/2000	IM40MB	MANGANESE	68.1	MG/KG	II	0	0.5	66R
HC66R1AAA	02/23/2000	IM40MB	MOLYBDENUM	0.76 J	MG/KG	II	0	0.5	66R
HC66R1AAA	02/23/2000	IM40MB	NICKEL	3.8	MG/KG	II	0	0.5	66R
HC66R1AAA	02/23/2000	IM40MB	POTASSIUM	346	MG/KG	II	0	0.5	66R
HC66R1AAA	02/23/2000	IM40MB	VANADIUM	6.1	MG/KG	II	0	0.5	66R
HC66R1AAA	02/23/2000	IM40MB	ZINC	14.9 J	MG/KG	II	0	0.5	66R
HC66R1AAA	02/23/2000	OM31B	PHENOL	77 J	UG/KG	II	0	0.5	66R
HC66R1AAA	02/23/2000	OM31P	DDE (1,1-BIS(CHLOROPHENYL)-2,2-DICHLOROE	1.6 J	UG/KG	II	0	0.5	66R
HC66R1AAA	02/23/2000	OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2,2,2-TRICHLO	1.8 J	UG/KG	II	0	0.5	66R
HC66R1AAA	02/23/2000	TOC	{ND on all 1} analytes			II	0	0.5	66R
HC66R1AAA	02/23/2000	D2216M	MOISTURE	5.3 *	PERCENT	NV	0	0.5	66R
HC66R1BAA	02/23/2000	350.2M	NITROGEN, AMMONIA (AS N)	3.8 J	MG/KG	II	1.5	2	66R
HC66R1BAA	02/23/2000	353.2M	NITRATE/NITRITE (AS N)	0.04	MG/KG	II	1.5	2	66R
HC66R1BAA	02/23/2000	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4	58	MG/KG	II	1.5	2	66R
HC66R1BAA	02/23/2000	8151	{ND on all 18} analytes			II	1.5	2	66R
HC66R1BAA	02/23/2000	8260LS	{ND on all 2} analytes			II	1.5	2	66R
HC66R1BAA	02/23/2000	8330N	{ND on all 19} analytes			II	1.5	2	66R
HC66R1BAA	02/23/2000	CYAN	{ND on all 1} analytes			II	1.5	2	66R
HC66R1BAA	02/23/2000	IM40HG	{ND on all 1} analytes			II	1.5	2	66R
HC66R1BAA	02/23/2000	IM40MB	ALUMINUM	2460	MG/KG	II	1.5	2	66R
HC66R1BAA	02/23/2000	IM40MB	ARSENIC	1.3	MG/KG	II	1.5	2	66R
HC66R1BAA	02/23/2000	IM40MB	BARIUM	7.1	MG/KG	II	1.5	2	66R
HC66R1BAA	02/23/2000	IM40MB	BERYLLIUM	0.09 J	MG/KG	II	1.5	2	66R
HC66R1BAA	02/23/2000	IM40MB	CALCIUM	110 J	MG/KG	II	1.5	2	66R
HC66R1BAA	02/23/2000	IM40MB	CHROMIUM, TOTAL	5.5	MG/KG	II	1.5	2	66R
HC66R1BAA	02/23/2000	IM40MB	COBALT	1.8	MG/KG	II	1.5	2	66R
HC66R1BAA	02/23/2000	IM40MB	COPPER	4.9 J	MG/KG	II	1.5	2	66R
HC66R1BAA	02/23/2000	IM40MB	IRON	3200	MG/KG	II	1.5	2	66R
HC66R1BAA	02/23/2000	IM40MB	LEAD	14.7	MG/KG	II	1.5	2	66R
HC66R1BAA	02/23/2000	IM40MB	MAGNESIUM	742	MG/KG	II	1.5	2	66R
HC66R1BAA	02/23/2000	IM40MB	MANGANESE	68.2	MG/KG	II	1.5	2	66R
HC66R1BAA	02/23/2000	IM40MB	NICKEL	3.6	MG/KG	II	1.5	2	66R
HC66R1BAA	02/23/2000	IM40MB	POTASSIUM	368	MG/KG	II	1.5	2	66R
HC66R1BAA	02/23/2000	IM40MB	VANADIUM	4.5	MG/KG	II	1.5	2	66R
HC66R1BAA	02/23/2000	IM40MB	ZINC	12.5 J	MG/KG	II	1.5	2	66R
HC66R1BAA	02/23/2000	OM31B	DIETHYL PHTHALATE	48 J	UG/KG	II	1.5	2	66R
HC66R1BAA	02/23/2000	OM31P	{ND on all 28} analytes			II	1.5	2	66R
HC66R1BAA	02/23/2000	OM31V	ACETONE	22 J	UG/KG	II	1.5	2	66R
HC66R1BAA	02/23/2000	OM31V	METHYL ETHYL KETONE (2-BUTANONE)	4 J	UG/KG	II	1.5	2	66R
HC66R1BAA	02/23/2000	TOC	{ND on all 1} analytes			II	1.5	2	66R
HC66R1BAA	02/23/2000	D2216M	MOISTURE	3.7 *	PERCENT	NV	1.5	2	66R

Notes:

Table A-1

Soil Analytical Results
Gun and Mortar Positions (Areas 16, 54, 62 & 66)

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VALLEVE	SBD	SED	LOCID

J = Estimated concentration
SBD = Sample Begin Depth (feet bgs)
SED = Sample End Depth (feet bgs)
BWTE = Below Water Table Elevation in feet
BWTS = Below Water Table Surface in feet
MCL/HA = Maximum Contaminant Level or Health Advisory
PRG = Preliminary Remediation Goal
CONC = Concentration

Table A-2
Project Note 2 Analytical Results
Northwest Corner Study Area

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VAL LEVEL	SBD	SED	LOC ID
HC199E1AAA	08/09/04	E314.0	{ND on all 1} analytes			II	0	0.5	199E
HC199E1AAA	08/09/04	8330N	{ND on all 19} analytes			II	0	0.5	199E
HC199E1AAA	08/09/04	D2216M	MOISTURE	15	PERCENT	II	0	0.5	199E
HC199E1AAA	08/09/04	IM40HG	{ND on all 1} analytes			II	0	0.5	199E
HC199E1AAA	08/09/04	IM40MB	ALUMINUM	9510	MG/KG	II	0	0.5	199E
HC199E1AAA	08/09/04	IM40MB	ARSENIC	3.1	MG/KG	II	0	0.5	199E
HC199E1AAA	08/09/04	IM40MB	BARIUM	8.6	MG/KG	II	0	0.5	199E
HC199E1AAA	08/09/04	IM40MB	BERYLLIUM	0.24	MG/KG	II	0	0.5	199E
HC199E1AAA	08/09/04	IM40MB	CHROMIUM, TOTAL	9.4	MG/KG	II	0	0.5	199E
HC199E1AAA	08/09/04	IM40MB	COBALT	2.3	MG/KG	II	0	0.5	199E
HC199E1AAA	08/09/04	IM40MB	COPPER	4.8	MG/KG	II	0	0.5	199E
HC199E1AAA	08/09/04	IM40MB	IRON	10100	MG/KG	II	0	0.5	199E
HC199E1AAA	08/09/04	IM40MB	LEAD	8.2 J	MG/KG	II	0	0.5	199E
HC199E1AAA	08/09/04	IM40MB	MAGNESIUM	799	MG/KG	II	0	0.5	199E
HC199E1AAA	08/09/04	IM40MB	MANGANESE	45.6	MG/KG	II	0	0.5	199E
HC199E1AAA	08/09/04	IM40MB	MOLYBDENUM	0.7	MG/KG	II	0	0.5	199E
HC199E1AAA	08/09/04	IM40MB	NICKEL	5.3	MG/KG	II	0	0.5	199E
HC199E1AAA	08/09/04	IM40MB	VANADIUM	15.4	MG/KG	II	0	0.5	199E
HC199E1AAA	08/09/04	IM40MB	ZINC	12.3	MG/KG	II	0	0.5	199E
HC199E1AAD	08/09/04	E314.0	{ND on all 1} analytes			II	0	0.5	199E
HC199E1AAD	08/09/04	8330N	{ND on all 19} analytes			II	0	0.5	199E
HC199E1AAD	08/09/04	D2216M	MOISTURE	19	PERCENT	II	0	0.5	199E
HC199E1AAD	08/09/04	IM40HG	{ND on all 1} analytes			II	0	0.5	199E
HC199E1AAD	08/09/04	IM40MB	ALUMINUM	10000	MG/KG	II	0	0.5	199E
HC199E1AAD	08/09/04	IM40MB	BARIUM	9.8	MG/KG	II	0	0.5	199E
HC199E1AAD	08/09/04	IM40MB	BERYLLIUM	0.25	MG/KG	II	0	0.5	199E
HC199E1AAD	08/09/04	IM40MB	CHROMIUM, TOTAL	11.2	MG/KG	II	0	0.5	199E
HC199E1AAD	08/09/04	IM40MB	COBALT	2.6	MG/KG	II	0	0.5	199E
HC199E1AAD	08/09/04	IM40MB	COPPER	5.1	MG/KG	II	0	0.5	199E
HC199E1AAD	08/09/04	IM40MB	IRON	9860	MG/KG	II	0	0.5	199E
HC199E1AAD	08/09/04	IM40MB	LEAD	7.8 J	MG/KG	II	0	0.5	199E
HC199E1AAD	08/09/04	IM40MB	MAGNESIUM	924	MG/KG	II	0	0.5	199E
HC199E1AAD	08/09/04	IM40MB	MANGANESE	41.8	MG/KG	II	0	0.5	199E
HC199E1AAD	08/09/04	IM40MB	MOLYBDENUM	0.34 J	MG/KG	II	0	0.5	199E
HC199E1AAD	08/09/04	IM40MB	NICKEL	5.7	MG/KG	II	0	0.5	199E
HC199E1AAD	08/09/04	IM40MB	VANADIUM	17.3	MG/KG	II	0	0.5	199E
HC199E1AAD	08/09/04	IM40MB	ZINC	12.6	MG/KG	II	0	0.5	199E
HC199E1BAA	08/09/04	E314.0	PERCHLORATE	2.95 J	UG/KG	II	1.5	2	199E
HC199E1BAA	08/09/04	8330N	{ND on all 19} analytes			II	1.5	2	199E
HC199E1BAA	08/09/04	D2216M	MOISTURE	15	PERCENT	II	1.5	2	199E
HC199E1BAA	08/09/04	IM40HG	{ND on all 1} analytes			II	1.5	2	199E
HC199E1BAA	08/09/04	IM40MB	ALUMINUM	8550	MG/KG	II	1.5	2	199E
HC199E1BAA	08/09/04	IM40MB	BARIUM	12.4	MG/KG	II	1.5	2	199E
HC199E1BAA	08/09/04	IM40MB	BERYLLIUM	0.25	MG/KG	II	1.5	2	199E
HC199E1BAA	08/09/04	IM40MB	CHROMIUM, TOTAL	8.3	MG/KG	II	1.5	2	199E
HC199E1BAA	08/09/04	IM40MB	COBALT	3.3	MG/KG	II	1.5	2	199E
HC199E1BAA	08/09/04	IM40MB	COPPER	5	MG/KG	II	1.5	2	199E
HC199E1BAA	08/09/04	IM40MB	IRON	6860	MG/KG	II	1.5	2	199E
HC199E1BAA	08/09/04	IM40MB	LEAD	4.8 J	MG/KG	II	1.5	2	199E
HC199E1BAA	08/09/04	IM40MB	MAGNESIUM	1120	MG/KG	II	1.5	2	199E
HC199E1BAA	08/09/04	IM40MB	MANGANESE	50.5	MG/KG	II	1.5	2	199E
HC199E1BAA	08/09/04	IM40MB	MOLYBDENUM	0.34 J	MG/KG	II	1.5	2	199E
HC199E1BAA	08/09/04	IM40MB	NICKEL	5.7	MG/KG	II	1.5	2	199E
HC199E1BAA	08/09/04	IM40MB	VANADIUM	12.6	MG/KG	II	1.5	2	199E
HC199E1BAA	08/09/04	IM40MB	ZINC	12.8	MG/KG	II	1.5	2	199E
HD199E1AAA	08/09/04	E314.0	{ND on all 1} analytes			II	0	0.08	199E
HC199G1AAA	08/09/04	E314.0	{ND on all 1} analytes			3	0	0.5	199G
HC199G1AAA	08/09/04	8330N	{ND on all 19} analytes			II	0	0.5	199G
HC199G1AAA	08/09/04	D2216M	MOISTURE	9	PERCENT	II	0	0.5	199G
HC199G1AAA	08/09/04	IM40HG	{ND on all 1} analytes			II	0	0.5	199G
HC199G1AAA	08/09/04	IM40MB	ALUMINUM	8950	MG/KG	II	0	0.5	199G
HC199G1AAA	08/09/04	IM40MB	ARSENIC	2.8	MG/KG	II	0	0.5	199G

Table A-2
Project Note 2 Analytical Results
Northwest Corner Study Area

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC		UNITS	VAL LEVEL	SBD	SED	LOC ID
HC199G1AAA	08/09/04	IM40MB	BARIUM	8.5		MG/KG	II	0	0.5	199G
HC199G1AAA	08/09/04	IM40MB	BERYLLIUM	0.2		MG/KG	II	0	0.5	199G
HC199G1AAA	08/09/04	IM40MB	CHROMIUM, TOTAL	9.3		MG/KG	II	0	0.5	199G
HC199G1AAA	08/09/04	IM40MB	COBALT	2.4		MG/KG	II	0	0.5	199G
HC199G1AAA	08/09/04	IM40MB	COPPER	4.3		MG/KG	II	0	0.5	199G
HC199G1AAA	08/09/04	IM40MB	IRON	8840		MG/KG	II	0	0.5	199G
HC199G1AAA	08/09/04	IM40MB	LEAD	6.7	J	MG/KG	II	0	0.5	199G
HC199G1AAA	08/09/04	IM40MB	MAGNESIUM	770		MG/KG	II	0	0.5	199G
HC199G1AAA	08/09/04	IM40MB	MANGANESE	47.3		MG/KG	II	0	0.5	199G
HC199G1AAA	08/09/04	IM40MB	MOLYBDENUM	0.37	J	MG/KG	II	0	0.5	199G
HC199G1AAA	08/09/04	IM40MB	NICKEL	4.9		MG/KG	II	0	0.5	199G
HC199G1AAA	08/09/04	IM40MB	VANADIUM	14.8		MG/KG	II	0	0.5	199G
HC199G1AAA	08/09/04	IM40MB	ZINC	10.3		MG/KG	II	0	0.5	199G
HC199G1BAA	08/09/04	E314.0	{ND on all 1} analytes				3	1.5	2	199G
HC199G1BAA	08/09/04	8330N	{ND on all 19} analytes				II	1.5	2	199G
HC199G1BAA	08/09/04	D2216M	MOISTURE	9		PERCENT	II	1.5	2	199G
HC199G1BAA	08/09/04	IM40HG	{ND on all 1} analytes				II	1.5	2	199G
HC199G1BAA	08/09/04	IM40MB	ALUMINUM	8570		MG/KG	II	1.5	2	199G
HC199G1BAA	08/09/04	IM40MB	ARSENIC	2.8		MG/KG	II	1.5	2	199G
HC199G1BAA	08/09/04	IM40MB	BARIUM	9.2		MG/KG	II	1.5	2	199G
HC199G1BAA	08/09/04	IM40MB	BERYLLIUM	0.19		MG/KG	II	1.5	2	199G
HC199G1BAA	08/09/04	IM40MB	CHROMIUM, TOTAL	9		MG/KG	II	1.5	2	199G
HC199G1BAA	08/09/04	IM40MB	COBALT	2.3		MG/KG	II	1.5	2	199G
HC199G1BAA	08/09/04	IM40MB	IRON	9210		MG/KG	II	1.5	2	199G
HC199G1BAA	08/09/04	IM40MB	LEAD	6.2	J	MG/KG	II	1.5	2	199G
HC199G1BAA	08/09/04	IM40MB	MAGNESIUM	703		MG/KG	II	1.5	2	199G
HC199G1BAA	08/09/04	IM40MB	MANGANESE	47.8		MG/KG	II	1.5	2	199G
HC199G1BAA	08/09/04	IM40MB	MOLYBDENUM	0.75		MG/KG	II	1.5	2	199G
HC199G1BAA	08/09/04	IM40MB	NICKEL	5		MG/KG	II	1.5	2	199G
HC199G1BAA	08/09/04	IM40MB	VANADIUM	14.9		MG/KG	II	1.5	2	199G
HC199G1BAA	08/09/04	IM40MB	ZINC	9.5		MG/KG	II	1.5	2	199G
HD199G1AAA	08/09/04	E314.0	{ND on all 1} analytes				3	0	0.08	199G
HC200A1AAA	08/24/04	E314.0	{ND on all 1} analytes				3	0	0.5	200A
HC200A1AAA	08/24/04	8330N	{ND on all 19} analytes				II	0	0.5	200A
HC200A1AAA	08/24/04	D2216M	MOISTURE	12		PERCENT	II	0	0.5	200A
HC200A1AAA	08/24/04	IM40HG	{ND on all 1} analytes				II	0	0.5	200A
HC200A1AAA	08/24/04	IM40MB	ALUMINUM	8920		MG/KG	II	0	0.5	200A
HC200A1AAA	08/24/04	IM40MB	ARSENIC	3.1	J	MG/KG	II	0	0.5	200A
HC200A1AAA	08/24/04	IM40MB	BARIUM	7.4		MG/KG	II	0	0.5	200A
HC200A1AAA	08/24/04	IM40MB	CHROMIUM, TOTAL	8		MG/KG	II	0	0.5	200A
HC200A1AAA	08/24/04	IM40MB	IRON	7350		MG/KG	II	0	0.5	200A
HC200A1AAA	08/24/04	IM40MB	LEAD	6.5		MG/KG	II	0	0.5	200A
HC200A1AAA	08/24/04	IM40MB	MAGNESIUM	528		MG/KG	II	0	0.5	200A
HC200A1AAA	08/24/04	IM40MB	MANGANESE	22.2		MG/KG	II	0	0.5	200A
HC200A1AAA	08/24/04	IM40MB	MOLYBDENUM	0.57	J	MG/KG	II	0	0.5	200A
HC200A1AAA	08/24/04	IM40MB	NICKEL	2.2		MG/KG	II	0	0.5	200A
HC200A1AAA	08/24/04	IM40MB	SODIUM	183		MG/KG	II	0	0.5	200A
HC200A1AAA	08/24/04	IM40MB	VANADIUM	14.1		MG/KG	II	0	0.5	200A
HC200A1AAA	08/24/04	IM40MB	ZINC	7.2		MG/KG	II	0	0.5	200A
HC200A1BAA	08/24/04	E314.0	{ND on all 1} analytes				3	1.5	2	200A
HC200A1BAA	08/24/04	8330N	{ND on all 19} analytes				II	1.5	2	200A
HC200A1BAA	08/24/04	D2216M	MOISTURE	4		PERCENT	II	1.5	2	200A
HC200A1BAA	08/24/04	IM40HG	{ND on all 1} analytes				II	1.5	2	200A
HC200A1BAA	08/24/04	IM40MB	ALUMINUM	1820		MG/KG	II	1.5	2	200A
HC200A1BAA	08/24/04	IM40MB	ARSENIC	1.9	J	MG/KG	II	1.5	2	200A
HC200A1BAA	08/24/04	IM40MB	BARIUM	2.8	J	MG/KG	II	1.5	2	200A
HC200A1BAA	08/24/04	IM40MB	CHROMIUM, TOTAL	2.7		MG/KG	II	1.5	2	200A
HC200A1BAA	08/24/04	IM40MB	COBALT	0.85	J	MG/KG	II	1.5	2	200A
HC200A1BAA	08/24/04	IM40MB	IRON	3990		MG/KG	II	1.5	2	200A
HC200A1BAA	08/24/04	IM40MB	LEAD	2.4		MG/KG	II	1.5	2	200A
HC200A1BAA	08/24/04	IM40MB	MAGNESIUM	233		MG/KG	II	1.5	2	200A
HC200A1BAA	08/24/04	IM40MB	MANGANESE	29.4		MG/KG	II	1.5	2	200A

Table A-2
Project Note 2 Analytical Results
Northwest Corner Study Area

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC		UNITS	VAL LEVEL	SBD	SED	LOC ID
HC200A1BAA	08/24/04	IM40MB	NICKEL	0.99	J	MG/KG	II	1.5	2	200A
HC200A1BAA	08/24/04	IM40MB	VANADIUM	7.2		MG/KG	II	1.5	2	200A
HC200A1BAA	08/24/04	IM40MB	ZINC	4.1		MG/KG	II	1.5	2	200A
HC54D1AAA	08/10/04	E314.0	{ND on all 1} analytes				3	0	0.5	54D
HC54D1AAA	08/10/04	D2216M	MOISTURE	10		PERCENT	II	0	0.5	54D
HC54D1AAA	08/10/04	SW8270	{ND on all 78} analytes				II	0	0.5	54D
HC54D1AAD	08/10/04	E314.0	{ND on all 1} analytes				3	0	0.5	54D
HC54D1AAD	08/10/04	D2216M	MOISTURE	9		PERCENT	II	0	0.5	54D
HC54D1AAD	08/10/04	SW8270	{ND on all 78} analytes				II	0	0.5	54D
HC54D1BAA	08/10/04	E314.0	{ND on all 1} analytes				3	1.5	2	54D
HC54D1BAA	08/10/04	D2216M	MOISTURE	7		PERCENT	II	1.5	2	54D
HC54D1BAA	08/10/04	SW8270	{ND on all 78} analytes				II	1.5	2	54D
HC54E1AAA	08/10/04	E314.0	{ND on all 1} analytes				II	0	0.5	54E
HC54E1AAA	08/10/04	D2216M	MOISTURE	9		PERCENT	II	0	0.5	54E
HC54E1AAA	08/10/04	SW8270	DI-N-BUTYL PHTHALATE	31	J	UG/KG	II	0	0.5	54E
HC54E1BAA	08/10/04	E314.0	{ND on all 1} analytes				II	1.5	2	54E
HC54E1BAA	08/10/04	D2216M	MOISTURE	8		PERCENT	II	1.5	2	54E
HC54E1BAA	08/10/04	SW8270	{ND on all 78} analytes				II	1.5	2	54E
HC54F1AAA	08/11/04	E314.0	{ND on all 1} analytes				II	0	0.5	54F
HC54F1AAA	08/11/04	D2216M	MOISTURE	6		PERCENT	II	0	0.5	54F
HC54F1AAA	08/11/04	SW8270	2,4-DINITROTOLUENE	57	J	UG/KG	II	0	0.5	54F
HC54F1AAA	08/11/04	SW8270	DI-N-BUTYL PHTHALATE	250	J	UG/KG	II	0	0.5	54F
HC54F1BAA	08/11/04	E314.0	{ND on all 1} analytes				II	1.5	2	54F
HC54F1BAA	08/11/04	D2216M	MOISTURE	8		PERCENT	II	1.5	2	54F
HC54F1BAA	08/11/04	SW8270	{ND on all 78} analytes				II	1.5	2	54F
HC54G1AAA	08/11/04	E314.0	{ND on all 1} analytes				II	0	0.5	54G
HC54G1AAA	08/11/04	D2216M	MOISTURE	5		PERCENT	II	0	0.5	54G
HC54G1AAA	08/11/04	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	770		UG/KG	II	0	0.5	54G
HC54G1BAA	08/11/04	E314.0	{ND on all 1} analytes				II	1.5	2	54G
HC54G1BAA	08/11/04	D2216M	MOISTURE	4		PERCENT	II	1.5	2	54G
HC54G1BAA	08/11/04	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	650		UG/KG	II	1.5	2	54G
HC54H1AAA	08/11/04	E314.0	{ND on all 1} analytes				II	0	0.5	54H
HC54H1AAA	08/11/04	D2216M	MOISTURE	5		PERCENT	II	0	0.5	54H
HC54H1AAA	08/11/04	SW8270	{ND on all 78} analytes				II	0	0.5	54H
HC54H1BAA	08/11/04	E314.0	{ND on all 1} analytes				II	1.5	2	54H
HC54H1BAA	08/11/04	D2216M	MOISTURE	11		PERCENT	II	1.5	2	54H
HC54H1BAA	08/11/04	SW8270	{ND on all 78} analytes				II	1.5	2	54H
HC54I1AAA	08/11/04	E314.0	{ND on all 1} analytes				II	0	0.5	54I
HC54I1AAA	08/11/04	D2216M	MOISTURE	5		PERCENT	II	0	0.5	54I
HC54I1AAA	08/11/04	SW8270	2,4-DINITROTOLUENE	32	J	UG/KG	II	0	0.5	54I
HC54I1AAA	08/11/04	SW8270	DI-N-BUTYL PHTHALATE	120	J	UG/KG	II	0	0.5	54I
HC54I1AAD	08/11/04	E314.0	{ND on all 1} analytes				II	0	0.5	54I
HC54I1AAD	08/11/04	D2216M	MOISTURE	5		PERCENT	II	0	0.5	54I
HC54I1AAD	08/11/04	SW8270	DI-N-BUTYL PHTHALATE	31	J	UG/KG	II	0	0.5	54I
HC54I1BAA	08/11/04	E314.0	{ND on all 1} analytes				II	1.5	2	54I
HC54I1BAA	08/11/04	D2216M	MOISTURE	6		PERCENT	II	1.5	2	54I
HC54I1BAA	08/11/04	SW8270	2,4-DINITROTOLUENE	200	J	UG/KG	II	1.5	2	54I
HC54I1BAA	08/11/04	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	20	J	UG/KG	II	1.5	2	54I
HC54I1BAA	08/11/04	SW8270	DI-N-BUTYL PHTHALATE	380		UG/KG	II	1.5	2	54I
HC54I1BAA	08/11/04	SW8270	N-NITROSODIPHENYLAMINE	38	J	UG/KG	II	1.5	2	54I
HC54J1AAA	08/11/04	E314.0	{ND on all 1} analytes				II	0	0.5	54J
HC54J1AAA	08/11/04	D2216M	MOISTURE	4		PERCENT	II	0	0.5	54J
HC54J1AAA	08/11/04	SW8270	{ND on all 78} analytes				II	0	0.5	54J
HC54J1BAA	08/11/04	E314.0	{ND on all 1} analytes				II	1.5	2	54J
HC54J1BAA	08/11/04	D2216M	MOISTURE	5		PERCENT	II	1.5	2	54J
HC54J1BAA	08/11/04	SW8270	{ND on all 78} analytes				II	1.5	2	54J
HC54K1AAA	08/11/04	E314.0	{ND on all 1} analytes				II	0	0.5	54K
HC54K1AAA	08/11/04	D2216M	MOISTURE	10		PERCENT	II	0	0.5	54K
HC54K1AAA	08/11/04	SW8270	{ND on all 78} analytes				II	0	0.5	54K
HC54K1BAA	08/11/04	E314.0	{ND on all 1} analytes				II	1.5	2	54K
HC54K1BAA	08/11/04	D2216M	MOISTURE	4		PERCENT	II	1.5	2	54K
HC54K1BAA	08/11/04	SW8270	2,4-DINITROTOLUENE	41	J	UG/KG	II	1.5	2	54K

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AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC		UNITS	VAL LEVEL	SBD	SED	LOC ID
HC54K1BAA	08/11/04	SW8270	DI-N-BUTYL PHTHALATE	74	J	UG/KG	II	1.5	2	54K
HC54L1AAA	08/12/04	E314.0	{ND on all 1} analytes				II	0	0.5	54L
HC54L1AAA	08/12/04	D2216M	MOISTURE	11		PERCENT	II	0	0.5	54L
HC54L1AAA	08/12/04	SW8270	CHRYSENE	17	J	UG/KG	II	0	0.5	54L
HC54L1BAA	08/12/04	E314.0	{ND on all 1} analytes				II	1.5	2	54L
HC54L1BAA	08/12/04	D2216M	MOISTURE	12		PERCENT	II	1.5	2	54L
HC54L1BAA	08/12/04	SW8270	BENZOIC ACID	450	J	UG/KG	II	1.5	2	54L
HC54M1AAA	08/12/04	E314.0	{ND on all 1} analytes				II	0	0.5	54M
HC54M1AAA	08/12/04	D2216M	MOISTURE	7		PERCENT	II	0	0.5	54M
HC54M1AAA	08/12/04	SW8270	{ND on all 78} analytes				II	0	0.5	54M
HC54M1BAA	08/12/04	E314.0	{ND on all 1} analytes				II	1.5	2	54M
HC54M1BAA	08/12/04	D2216M	MOISTURE	8		PERCENT	II	1.5	2	54M
HC54M1BAA	08/12/04	SW8270	{ND on all 78} analytes				II	1.5	2	54M
HC54N1AAA	08/10/04	E314.0	{ND on all 1} analytes				II	0	0.5	54N
HC54N1AAA	08/10/04	D2216M	MOISTURE	23		PERCENT	II	0	0.5	54N
HC54N1AAA	08/10/04	SW8270	{ND on all 78} analytes				II	0	0.5	54N
HC54N1BAA	08/10/04	E314.0	{ND on all 1} analytes				II	1.5	2	54N
HC54N1BAA	08/10/04	D2216M	MOISTURE	6		PERCENT	II	1.5	2	54N
HC54N1BAA	08/10/04	SW8270	DI-N-BUTYL PHTHALATE	18	J	UG/KG	II	1.5	2	54N
HC54O1AAA	08/12/04	E314.0	{ND on all 1} analytes				II	0	0.5	54O
HC54O1AAA	08/12/04	D2216M	MOISTURE	10		PERCENT	II	0	0.5	54O
HC54O1AAA	08/12/04	SW8270	BENZOIC ACID	51	J	UG/KG	II	0	0.5	54O
HC54O1AAD	08/12/04	E314.0	{ND on all 1} analytes				II	0	0.5	54O
HC54O1AAD	08/12/04	D2216M	MOISTURE	8		PERCENT	II	0	0.5	54O
HC54O1AAD	08/12/04	SW8270	BENZOIC ACID	69	J	UG/KG	II	0	0.5	54O
HC54O1BAA	08/12/04	E314.0	{ND on all 1} analytes				II	1.5	2	54O
HC54O1BAA	08/12/04	D2216M	MOISTURE	8		PERCENT	II	1.5	2	54O
HC54O1BAA	08/12/04	SW8270	{ND on all 78} analytes				II	1.5	2	54O
HC62A1AAA	08/13/04	E314.0	{ND on all 1} analytes				II	0	0.5	62A
HC62A1BAA	08/13/04	E314.0	{ND on all 1} analytes				II	1.5	2	62A
HC62B1AAA	08/17/04	E314.0	{ND on all 1} analytes				II	0	0.5	62B
HC62B1BAA	08/17/04	E314.0	{ND on all 1} analytes				II	1.5	2	62B
HC62C1AAA	08/13/04	E314.0	{ND on all 1} analytes				II	0	0.5	62C
HC62C1BAA	08/13/04	E314.0	{ND on all 1} analytes				II	1.5	2	62C
HC62D1AAA	08/13/04	E314.0	{ND on all 1} analytes				II	0	0.5	62D
HC62D1AAA	08/13/04	D2216M	MOISTURE	25		PERCENT	II	0	0.5	62D
HC62D1AAA	08/13/04	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	23	J	UG/KG	II	0	0.5	62D
HC62D1BAA	08/13/04	E314.0	{ND on all 1} analytes				II	1.5	2	62D
HC62D1BAA	08/13/04	D2216M	MOISTURE	16		PERCENT	II	1.5	2	62D
HC62D1BAA	08/13/04	SW8270	{ND on all 78} analytes				II	1.5	2	62D
HC62E1AAA	08/16/04	E314.0	{ND on all 1} analytes				II	0	0.5	62E
HC62E1AAA	08/16/04	D2216M	MOISTURE	20		PERCENT	II	0	0.5	62E
HC62E1AAA	08/16/04	SW8270	2,4-DINITROTOLUENE	420	J	UG/KG	II	0	0.5	62E
HC62E1AAA	08/16/04	SW8270	2,6-DINITROTOLUENE	30	J	UG/KG	II	0	0.5	62E
HC62E1AAA	08/16/04	SW8270	BENZO(A)ANTHRACENE	33	J	UG/KG	II	0	0.5	62E
HC62E1AAA	08/16/04	SW8270	BENZO(A)PYRENE	31	J	UG/KG	II	0	0.5	62E
HC62E1AAA	08/16/04	SW8270	BENZO(B)FLUORANTHENE	41	J	UG/KG	II	0	0.5	62E
HC62E1AAA	08/16/04	SW8270	BENZO(K)FLUORANTHENE	45	J	UG/KG	II	0	0.5	62E
HC62E1AAA	08/16/04	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	22	J	UG/KG	II	0	0.5	62E
HC62E1AAA	08/16/04	SW8270	CHRYSENE	49	J	UG/KG	II	0	0.5	62E
HC62E1AAA	08/16/04	SW8270	DI-N-BUTYL PHTHALATE	880	J	UG/KG	II	0	0.5	62E
HC62E1AAA	08/16/04	SW8270	FLUORANTHENE	58	J	UG/KG	II	0	0.5	62E
HC62E1AAA	08/16/04	SW8270	N-NITROSODIPHENYLAMINE	85	J	UG/KG	II	0	0.5	62E
HC62E1AAA	08/16/04	SW8270	PHENANTHRENE	19	J	UG/KG	II	0	0.5	62E
HC62E1AAA	08/16/04	SW8270	PYRENE	78	J	UG/KG	II	0	0.5	62E
HC62E1AAD	08/16/04	E314.0	{ND on all 1} analytes				II	0	0.5	62E
HC62E1AAD	08/16/04	D2216M	MOISTURE	12		PERCENT	II	0	0.5	62E
HC62E1AAD	08/16/04	SW8270	BENZO(A)ANTHRACENE	38	J	UG/KG	II	0	0.5	62E
HC62E1AAD	08/16/04	SW8270	BENZO(A)PYRENE	33	J	UG/KG	II	0	0.5	62E
HC62E1AAD	08/16/04	SW8270	BENZO(B)FLUORANTHENE	44	J	UG/KG	II	0	0.5	62E
HC62E1AAD	08/16/04	SW8270	BENZO(K)FLUORANTHENE	42	J	UG/KG	II	0	0.5	62E
HC62E1AAD	08/16/04	SW8270	CHRYSENE	53	J	UG/KG	II	0	0.5	62E

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AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC		UNITS	VAL LEVEL	SBD	SED	LOC ID
HC62E1AAD	08/16/04	SW8270	FLUORANTHENE	79	J	UG/KG	II	0	0.5	62E
HC62E1AAD	08/16/04	SW8270	INDENO(1,2,3-C,D)PYRENE	18	J	UG/KG	II	0	0.5	62E
HC62E1AAD	08/16/04	SW8270	PHENANTHRENE	26	J	UG/KG	II	0	0.5	62E
HC62E1AAD	08/16/04	SW8270	PYRENE	100	J	UG/KG	II	0	0.5	62E
HC62E1BAA	08/16/04	E314.0	{ND on all 1} analytes				II	1.5	2	62E
HC62E1BAA	08/16/04	D2216M	MOISTURE	10		PERCENT	II	1.5	2	62E
HC62E1BAA	08/16/04	SW8270	{ND on all 78} analytes				II	1.5	2	62E
HC62F1AAA	08/16/04	E314.0	{ND on all 1} analytes				II	0	0.5	62F
HC62F1AAA	08/16/04	D2216M	MOISTURE	16		PERCENT	3	0	0.5	62F
HC62F1AAA	08/16/04	SW8270	{ND on all 78} analytes				3	0	0.5	62F
HC62F1BAA	08/16/04	E314.0	{ND on all 1} analytes				II	1.5	2	62F
HC62F1BAA	08/16/04	D2216M	MOISTURE	14		PERCENT	3	1.5	2	62F
HC62F1BAA	08/16/04	SW8270	{ND on all 78} analytes				3	1.5	2	62F
HC62G1AAA	08/17/04	E314.0	{ND on all 1} analytes				II	0	0.5	62G
HC62G1AAA	08/17/04	D2216M	MOISTURE	8		PERCENT	3	0	0.5	62G
HC62G1AAA	08/17/04	SW8270	2,4-DINITROTOLUENE	48	J	UG/KG	3	0	0.5	62G
HC62G1AAA	08/17/04	SW8270	BENZO(B)FLUORANTHENE	17	J	UG/KG	3	0	0.5	62G
HC62G1AAA	08/17/04	SW8270	BENZO(K)FLUORANTHENE	17	J	UG/KG	3	0	0.5	62G
HC62G1AAA	08/17/04	SW8270	BENZYL BUTYL PHTHALATE	17	J	UG/KG	3	0	0.5	62G
HC62G1AAA	08/17/04	SW8270	CHRYSENE	17	J	UG/KG	3	0	0.5	62G
HC62G1AAA	08/17/04	SW8270	DI-N-BUTYL PHTHALATE	140	J	UG/KG	3	0	0.5	62G
HC62G1AAA	08/17/04	SW8270	FLUORANTHENE	26	J	UG/KG	3	0	0.5	62G
HC62G1AAA	08/17/04	SW8270	N-NITROSODIPHENYLAMINE	18	J	UG/KG	3	0	0.5	62G
HC62G1AAA	08/17/04	SW8270	PYRENE	32	J	UG/KG	3	0	0.5	62G
HC62G1BAA	08/17/04	E314.0	{ND on all 1} analytes				II	1.5	2	62G
HC62G1BAA	08/17/04	D2216M	MOISTURE	7		PERCENT	3	1.5	2	62G
HC62G1BAA	08/17/04	SW8270	{ND on all 78} analytes				3	1.5	2	62G
HC62H1AAA	08/16/04	E314.0	{ND on all 1} analytes				II	0	0.5	62H
HC62H1AAA	08/16/04	D2216M	MOISTURE	17		PERCENT	II	0	0.5	62H
HC62H1AAA	08/16/04	SW8270	BENZOIC ACID	69	J	UG/KG	II	0	0.5	62H
HC62H1BAA	08/16/04	E314.0	{ND on all 1} analytes				II	1.5	2	62H
HC62H1BAA	08/16/04	D2216M	MOISTURE	23		PERCENT	II	1.5	2	62H
HC62H1BAA	08/16/04	SW8270	{ND on all 78} analytes				II	1.5	2	62H
HD66UA1AAA	08/10/04	E314.0	{ND on all 1} analytes				3	0	0.5	66UA
HD66UA1BAA	08/10/04	E314.0	{ND on all 1} analytes				3	3	3	66UA
HD66UB1AAA	08/10/04	E314.0	{ND on all 1} analytes				3	0	0.5	66UB
HD66UB1AAD	08/10/04	E314.0	{ND on all 1} analytes				3	0	0.5	66UB
HD66UB1BAA	08/10/04	E314.0	{ND on all 1} analytes				3	3	3	66UB
HD66UC1AAA	08/10/04	E314.0	{ND on all 1} analytes				3	0	0.5	66UC
HD66UC1BAA	08/10/04	E314.0	{ND on all 1} analytes				3	3	3	66UC
HD66UD1AAA	08/09/04	E314.0	{ND on all 1} analytes				3	0	0.5	66UD
HD66UD1BAA	08/09/04	E314.0	{ND on all 1} analytes				3	3	3	66UD
HC208A1AAA	08/19/04	E314.0	{ND on all 1} analytes				II	0	0.5	208A
HC208A1AAA	08/19/04	D2216M	MOISTURE	20		PERCENT	II	0	0.5	208A
HC208A1AAA	08/19/04	IM40HG	{ND on all 1} analytes				II	0	0.5	208A
HC208A1AAA	08/19/04	IM40MB	ALUMINUM	13100		MG/KG	II	0	0.5	208A
HC208A1AAA	08/19/04	IM40MB	ARSENIC	4.4		MG/KG	II	0	0.5	208A
HC208A1AAA	08/19/04	IM40MB	BARIUM	8.4		MG/KG	II	0	0.5	208A
HC208A1AAA	08/19/04	IM40MB	BERYLLIUM	0.21		MG/KG	II	0	0.5	208A
HC208A1AAA	08/19/04	IM40MB	CALCIUM	75.5		MG/KG	II	0	0.5	208A
HC208A1AAA	08/19/04	IM40MB	CHROMIUM, TOTAL	13.5		MG/KG	II	0	0.5	208A
HC208A1AAA	08/19/04	IM40MB	COPPER	34.4		MG/KG	II	0	0.5	208A
HC208A1AAA	08/19/04	IM40MB	IRON	13300		MG/KG	II	0	0.5	208A
HC208A1AAA	08/19/04	IM40MB	LEAD	190		MG/KG	II	0	0.5	208A
HC208A1AAA	08/19/04	IM40MB	MAGNESIUM	802		MG/KG	II	0	0.5	208A
HC208A1AAA	08/19/04	IM40MB	MANGANESE	42		MG/KG	II	0	0.5	208A
HC208A1AAA	08/19/04	IM40MB	MOLYBDENUM	1.7		MG/KG	II	0	0.5	208A
HC208A1AAA	08/19/04	IM40MB	NICKEL	6.1		MG/KG	II	0	0.5	208A
HC208A1AAA	08/19/04	IM40MB	POTASSIUM	411		MG/KG	II	0	0.5	208A
HC208A1AAA	08/19/04	IM40MB	VANADIUM	24.7		MG/KG	II	0	0.5	208A
HC208A1AAA	08/19/04	IM40MB	ZINC	14.4		MG/KG	II	0	0.5	208A
HC208A1AAA	08/19/04	SW8270	2-CHLOROBENZOIC ACID	390	J	UG/KG	II	0	0.5	208A

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AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC		UNITS	VAL LEVEL	SBD	SED	LOC ID
HC208A1AAA	08/19/04	SW8270	BENZOIC ACID	180	J	UG/KG	II	0	0.5	208A
HC208A1AAA	08/19/04	SW8270	PYRENE	22	J	UG/KG	II	0	0.5	208A
HC208A1BAA	08/19/04	E314.0	{ND on all 1} analytes				II	1.5	2	208A
HC208A1BAA	08/19/04	D2216M	MOISTURE	15		PERCENT	II	1.5	2	208A
HC208A1BAA	08/19/04	IM40HG	{ND on all 1} analytes				II	1.5	2	208A
HC208A1BAA	08/19/04	IM40MB	ALUMINUM	10900		MG/KG	II	1.5	2	208A
HC208A1BAA	08/19/04	IM40MB	ARSENIC	3.3		MG/KG	II	1.5	2	208A
HC208A1BAA	08/19/04	IM40MB	BARIUM	16		MG/KG	II	1.5	2	208A
HC208A1BAA	08/19/04	IM40MB	BERYLLIUM	0.31		MG/KG	II	1.5	2	208A
HC208A1BAA	08/19/04	IM40MB	CALCIUM	100		MG/KG	II	1.5	2	208A
HC208A1BAA	08/19/04	IM40MB	CHROMIUM, TOTAL	14.1		MG/KG	II	1.5	2	208A
HC208A1BAA	08/19/04	IM40MB	COBALT	5		MG/KG	II	1.5	2	208A
HC208A1BAA	08/19/04	IM40MB	COPPER	4.5		MG/KG	II	1.5	2	208A
HC208A1BAA	08/19/04	IM40MB	IRON	12400		MG/KG	II	1.5	2	208A
HC208A1BAA	08/19/04	IM40MB	LEAD	9.5		MG/KG	II	1.5	2	208A
HC208A1BAA	08/19/04	IM40MB	MAGNESIUM	2260		MG/KG	II	1.5	2	208A
HC208A1BAA	08/19/04	IM40MB	MANGANESE	73		MG/KG	II	1.5	2	208A
HC208A1BAA	08/19/04	IM40MB	MOLYBDENUM	0.5	J	MG/KG	II	1.5	2	208A
HC208A1BAA	08/19/04	IM40MB	NICKEL	9.7		MG/KG	II	1.5	2	208A
HC208A1BAA	08/19/04	IM40MB	POTASSIUM	692		MG/KG	II	1.5	2	208A
HC208A1BAA	08/19/04	IM40MB	VANADIUM	20.6		MG/KG	II	1.5	2	208A
HC208A1BAA	08/19/04	IM40MB	ZINC	16.4		MG/KG	II	1.5	2	208A
HC208A1BAA	08/19/04	SW8270	BENZOIC ACID	65	J	UG/KG	II	1.5	2	208A
HC208B1AAA	08/19/04	E314.0	{ND on all 1} analytes				II	0	0.5	208B
HC208B1AAA	08/19/04	D2216M	MOISTURE	19		PERCENT	II	0	0.5	208B
HC208B1AAA	08/19/04	IM40HG	{ND on all 1} analytes				II	0	0.5	208B
HC208B1AAA	08/19/04	IM40MB	ALUMINUM	13500		MG/KG	II	0	0.5	208B
HC208B1AAA	08/19/04	IM40MB	ARSENIC	4.2		MG/KG	II	0	0.5	208B
HC208B1AAA	08/19/04	IM40MB	BARIUM	10.9		MG/KG	II	0	0.5	208B
HC208B1AAA	08/19/04	IM40MB	BERYLLIUM	0.23		MG/KG	II	0	0.5	208B
HC208B1AAA	08/19/04	IM40MB	CALCIUM	77.5		MG/KG	II	0	0.5	208B
HC208B1AAA	08/19/04	IM40MB	CHROMIUM, TOTAL	13.1		MG/KG	II	0	0.5	208B
HC208B1AAA	08/19/04	IM40MB	COBALT	2.2		MG/KG	II	0	0.5	208B
HC208B1AAA	08/19/04	IM40MB	COPPER	5.6		MG/KG	II	0	0.5	208B
HC208B1AAA	08/19/04	IM40MB	IRON	13100		MG/KG	II	0	0.5	208B
HC208B1AAA	08/19/04	IM40MB	LEAD	25.4		MG/KG	II	0	0.5	208B
HC208B1AAA	08/19/04	IM40MB	MAGNESIUM	653		MG/KG	II	0	0.5	208B
HC208B1AAA	08/19/04	IM40MB	MANGANESE	32.4		MG/KG	II	0	0.5	208B
HC208B1AAA	08/19/04	IM40MB	MOLYBDENUM	1.1		MG/KG	II	0	0.5	208B
HC208B1AAA	08/19/04	IM40MB	NICKEL	5.5		MG/KG	II	0	0.5	208B
HC208B1AAA	08/19/04	IM40MB	SELENIUM	1	J	MG/KG	II	0	0.5	208B
HC208B1AAA	08/19/04	IM40MB	VANADIUM	22.4		MG/KG	II	0	0.5	208B
HC208B1AAA	08/19/04	IM40MB	ZINC	11.3		MG/KG	II	0	0.5	208B
HC208B1AAA	08/19/04	SW8270	{ND on all 78} analytes				II	0	0.5	208B
HC208B1BAA	08/19/04	E314.0	{ND on all 1} analytes				II	1.5	2	208B
HC208B1BAA	08/19/04	D2216M	MOISTURE	16		PERCENT	II	1.5	2	208B
HC208B1BAA	08/19/04	IM40HG	{ND on all 1} analytes				II	1.5	2	208B
HC208B1BAA	08/19/04	IM40MB	ALUMINUM	13600		MG/KG	II	1.5	2	208B
HC208B1BAA	08/19/04	IM40MB	ARSENIC	4		MG/KG	II	1.5	2	208B
HC208B1BAA	08/19/04	IM40MB	BARIUM	12.9		MG/KG	II	1.5	2	208B
HC208B1BAA	08/19/04	IM40MB	BERYLLIUM	0.3		MG/KG	II	1.5	2	208B
HC208B1BAA	08/19/04	IM40MB	CALCIUM	103		MG/KG	II	1.5	2	208B
HC208B1BAA	08/19/04	IM40MB	CHROMIUM, TOTAL	15		MG/KG	II	1.5	2	208B
HC208B1BAA	08/19/04	IM40MB	COBALT	4.2		MG/KG	II	1.5	2	208B
HC208B1BAA	08/19/04	IM40MB	COPPER	4.7		MG/KG	II	1.5	2	208B
HC208B1BAA	08/19/04	IM40MB	IRON	13700		MG/KG	II	1.5	2	208B
HC208B1BAA	08/19/04	IM40MB	LEAD	7.8		MG/KG	II	1.5	2	208B
HC208B1BAA	08/19/04	IM40MB	MAGNESIUM	1680		MG/KG	II	1.5	2	208B
HC208B1BAA	08/19/04	IM40MB	MANGANESE	82.2		MG/KG	II	1.5	2	208B
HC208B1BAA	08/19/04	IM40MB	MOLYBDENUM	1		MG/KG	II	1.5	2	208B
HC208B1BAA	08/19/04	IM40MB	NICKEL	7.9		MG/KG	II	1.5	2	208B
HC208B1BAA	08/19/04	IM40MB	POTASSIUM	546		MG/KG	II	1.5	2	208B

Table A-2
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AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VAL LEVEL	SBD	SED	LOC ID
HC208B1BAA	08/19/04	IM40MB	VANADIUM	20.6	MG/KG	II	1.5	2	208B
HC208B1BAA	08/19/04	IM40MB	ZINC	16.8	MG/KG	II	1.5	2	208B
HC208B1BAA	08/19/04	SW8270	{ND on all 78} analytes			II	1.5	2	208B
HC208C1AAA	08/19/04	E314.0	{ND on all 1} analytes			II	0	0.5	208C
HC208C1AAA	08/19/04	D2216M	MOISTURE	14	PERCENT	II	0	0.5	208C
HC208C1AAA	08/19/04	IM40HG	{ND on all 1} analytes			II	0	0.5	208C
HC208C1AAA	08/19/04	IM40MB	ALUMINUM	11100	MG/KG	II	0	0.5	208C
HC208C1AAA	08/19/04	IM40MB	ARSENIC	2.9	MG/KG	II	0	0.5	208C
HC208C1AAA	08/19/04	IM40MB	BARIUM	8.8	MG/KG	II	0	0.5	208C
HC208C1AAA	08/19/04	IM40MB	BERYLLIUM	0.18	MG/KG	II	0	0.5	208C
HC208C1AAA	08/19/04	IM40MB	CALCIUM	47.6 J	MG/KG	II	0	0.5	208C
HC208C1AAA	08/19/04	IM40MB	CHROMIUM, TOTAL	11.7	MG/KG	II	0	0.5	208C
HC208C1AAA	08/19/04	IM40MB	COPPER	19.1	MG/KG	II	0	0.5	208C
HC208C1AAA	08/19/04	IM40MB	IRON	11000	MG/KG	II	0	0.5	208C
HC208C1AAA	08/19/04	IM40MB	LEAD	96.5	MG/KG	II	0	0.5	208C
HC208C1AAA	08/19/04	IM40MB	MAGNESIUM	800	MG/KG	II	0	0.5	208C
HC208C1AAA	08/19/04	IM40MB	MANGANESE	34.6	MG/KG	II	0	0.5	208C
HC208C1AAA	08/19/04	IM40MB	MOLYBDENUM	0.61 J	MG/KG	II	0	0.5	208C
HC208C1AAA	08/19/04	IM40MB	NICKEL	5.2	MG/KG	II	0	0.5	208C
HC208C1AAA	08/19/04	IM40MB	POTASSIUM	390	MG/KG	II	0	0.5	208C
HC208C1AAA	08/19/04	IM40MB	VANADIUM	19.5	MG/KG	II	0	0.5	208C
HC208C1AAA	08/19/04	IM40MB	ZINC	9.9	MG/KG	II	0	0.5	208C
HC208C1AAA	08/19/04	SW8270	{ND on all 78} analytes			II	0	0.5	208C
HC208C1BAA	08/19/04	E314.0	{ND on all 1} analytes			II	1.5	2	208C
HC208C1BAA	08/19/04	D2216M	MOISTURE	14	PERCENT	II	1.5	2	208C
HC208C1BAA	08/19/04	IM40HG	{ND on all 1} analytes			II	1.5	2	208C
HC208C1BAA	08/19/04	IM40MB	ALUMINUM	12600	MG/KG	II	1.5	2	208C
HC208C1BAA	08/19/04	IM40MB	ARSENIC	4.3	MG/KG	II	1.5	2	208C
HC208C1BAA	08/19/04	IM40MB	BARIUM	16.6	MG/KG	II	1.5	2	208C
HC208C1BAA	08/19/04	IM40MB	BERYLLIUM	0.35	MG/KG	II	1.5	2	208C
HC208C1BAA	08/19/04	IM40MB	BORON	0.83 J	MG/KG	II	1.5	2	208C
HC208C1BAA	08/19/04	IM40MB	CALCIUM	65.8	MG/KG	II	1.5	2	208C
HC208C1BAA	08/19/04	IM40MB	CHROMIUM, TOTAL	14.9	MG/KG	II	1.5	2	208C
HC208C1BAA	08/19/04	IM40MB	COBALT	5.8	MG/KG	II	1.5	2	208C
HC208C1BAA	08/19/04	IM40MB	COPPER	5.8	MG/KG	II	1.5	2	208C
HC208C1BAA	08/19/04	IM40MB	IRON	13600	MG/KG	II	1.5	2	208C
HC208C1BAA	08/19/04	IM40MB	LEAD	9.6	MG/KG	II	1.5	2	208C
HC208C1BAA	08/19/04	IM40MB	MAGNESIUM	2050	MG/KG	II	1.5	2	208C
HC208C1BAA	08/19/04	IM40MB	MANGANESE	112	MG/KG	II	1.5	2	208C
HC208C1BAA	08/19/04	IM40MB	MOLYBDENUM	0.44 J	MG/KG	II	1.5	2	208C
HC208C1BAA	08/19/04	IM40MB	NICKEL	9.7	MG/KG	II	1.5	2	208C
HC208C1BAA	08/19/04	IM40MB	POTASSIUM	750	MG/KG	II	1.5	2	208C
HC208C1BAA	08/19/04	IM40MB	VANADIUM	20.3	MG/KG	II	1.5	2	208C
HC208C1BAA	08/19/04	IM40MB	ZINC	19.5	MG/KG	II	1.5	2	208C
HC208C1BAA	08/19/04	SW8270	{ND on all 78} analytes			II	1.5	2	208C
HC208D1AAA	08/19/04	E314.0	{ND on all 1} analytes			II	0	0.5	208D
HC208D1AAA	08/19/04	D2216M	MOISTURE	17	PERCENT	II	0	0.5	208D
HC208D1AAA	08/19/04	IM40HG	{ND on all 1} analytes			II	0	0.5	208D
HC208D1AAA	08/19/04	IM40MB	ALUMINUM	11300	MG/KG	II	0	0.5	208D
HC208D1AAA	08/19/04	IM40MB	ARSENIC	3.5	MG/KG	II	0	0.5	208D
HC208D1AAA	08/19/04	IM40MB	BARIUM	8.8	MG/KG	II	0	0.5	208D
HC208D1AAA	08/19/04	IM40MB	BERYLLIUM	0.24	MG/KG	II	0	0.5	208D
HC208D1AAA	08/19/04	IM40MB	CALCIUM	62.8 J	MG/KG	II	0	0.5	208D
HC208D1AAA	08/19/04	IM40MB	CHROMIUM, TOTAL	13.5	MG/KG	II	0	0.5	208D
HC208D1AAA	08/19/04	IM40MB	COBALT	3	MG/KG	II	0	0.5	208D
HC208D1AAA	08/19/04	IM40MB	COPPER	10.6	MG/KG	II	0	0.5	208D
HC208D1AAA	08/19/04	IM40MB	IRON	11500	MG/KG	II	0	0.5	208D
HC208D1AAA	08/19/04	IM40MB	LEAD	68.2	MG/KG	II	0	0.5	208D
HC208D1AAA	08/19/04	IM40MB	MAGNESIUM	1180	MG/KG	II	0	0.5	208D
HC208D1AAA	08/19/04	IM40MB	MANGANESE	57.5	MG/KG	II	0	0.5	208D
HC208D1AAA	08/19/04	IM40MB	MOLYBDENUM	0.57 J	MG/KG	II	0	0.5	208D
HC208D1AAA	08/19/04	IM40MB	NICKEL	6.5	MG/KG	II	0	0.5	208D

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AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC		UNITS	VAL LEVEL	SBD	SED	LOC ID
HC208D1AAA	08/19/04	IM40MB	POTASSIUM	446		MG/KG	II	0	0.5	208D
HC208D1AAA	08/19/04	IM40MB	SELENIUM	0.82	J	MG/KG	II	0	0.5	208D
HC208D1AAA	08/19/04	IM40MB	VANADIUM	21.4		MG/KG	II	0	0.5	208D
HC208D1AAA	08/19/04	IM40MB	ZINC	13.1		MG/KG	II	0	0.5	208D
HC208D1AAA	08/19/04	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	32	J	UG/KG	II	0	0.5	208D
HC208D1BAA	08/19/04	E314.0	{ND on all 1} analytes				II	1.5	2	208D
HC208D1BAA	08/19/04	D2216M	MOISTURE	16		PERCENT	II	1.5	2	208D
HC208D1BAA	08/19/04	IM40HG	{ND on all 1} analytes				II	1.5	2	208D
HC208D1BAA	08/19/04	IM40MB	ALUMINUM	15000		MG/KG	II	1.5	2	208D
HC208D1BAA	08/19/04	IM40MB	ARSENIC	4.8		MG/KG	II	1.5	2	208D
HC208D1BAA	08/19/04	IM40MB	BARIUM	20.9		MG/KG	II	1.5	2	208D
HC208D1BAA	08/19/04	IM40MB	BERYLLIUM	0.44		MG/KG	II	1.5	2	208D
HC208D1BAA	08/19/04	IM40MB	CALCIUM	58.5	J	MG/KG	II	1.5	2	208D
HC208D1BAA	08/19/04	IM40MB	CHROMIUM, TOTAL	17.9		MG/KG	II	1.5	2	208D
HC208D1BAA	08/19/04	IM40MB	COBALT	4.9		MG/KG	II	1.5	2	208D
HC208D1BAA	08/19/04	IM40MB	COPPER	5.9		MG/KG	II	1.5	2	208D
HC208D1BAA	08/19/04	IM40MB	IRON	14800		MG/KG	II	1.5	2	208D
HC208D1BAA	08/19/04	IM40MB	LEAD	12.9		MG/KG	II	1.5	2	208D
HC208D1BAA	08/19/04	IM40MB	MAGNESIUM	1970		MG/KG	II	1.5	2	208D
HC208D1BAA	08/19/04	IM40MB	MANGANESE	81.9		MG/KG	II	1.5	2	208D
HC208D1BAA	08/19/04	IM40MB	MOLYBDENUM	0.39	J	MG/KG	II	1.5	2	208D
HC208D1BAA	08/19/04	IM40MB	NICKEL	9.1		MG/KG	II	1.5	2	208D
HC208D1BAA	08/19/04	IM40MB	POTASSIUM	613		MG/KG	II	1.5	2	208D
HC208D1BAA	08/19/04	IM40MB	VANADIUM	24.3		MG/KG	II	1.5	2	208D
HC208D1BAA	08/19/04	IM40MB	ZINC	20.6		MG/KG	II	1.5	2	208D
HC208D1BAA	08/19/04	SW8270	{ND on all 78} analytes				II	1.5	2	208D
HC208E1AAA	08/20/04	E314.0	{ND on all 1} analytes				II	0	0.5	208E
HC208E1AAA	08/20/04	D2216M	MOISTURE	14		PERCENT	II	0	0.5	208E
HC208E1AAA	08/20/04	IM40HG	{ND on all 1} analytes				II	0	0.5	208E
HC208E1AAA	08/20/04	IM40MB	ALUMINUM	8360		MG/KG	II	0	0.5	208E
HC208E1AAA	08/20/04	IM40MB	ARSENIC	3.2		MG/KG	II	0	0.5	208E
HC208E1AAA	08/20/04	IM40MB	BARIUM	7.3		MG/KG	II	0	0.5	208E
HC208E1AAA	08/20/04	IM40MB	BERYLLIUM	0.19		MG/KG	II	0	0.5	208E
HC208E1AAA	08/20/04	IM40MB	CALCIUM	53.4	J	MG/KG	II	0	0.5	208E
HC208E1AAA	08/20/04	IM40MB	CHROMIUM, TOTAL	9		MG/KG	II	0	0.5	208E
HC208E1AAA	08/20/04	IM40MB	COPPER	19.3		MG/KG	II	0	0.5	208E
HC208E1AAA	08/20/04	IM40MB	IRON	9190		MG/KG	II	0	0.5	208E
HC208E1AAA	08/20/04	IM40MB	LEAD	115		MG/KG	II	0	0.5	208E
HC208E1AAA	08/20/04	IM40MB	MAGNESIUM	703		MG/KG	II	0	0.5	208E
HC208E1AAA	08/20/04	IM40MB	MANGANESE	36.4		MG/KG	II	0	0.5	208E
HC208E1AAA	08/20/04	IM40MB	NICKEL	4.6		MG/KG	II	0	0.5	208E
HC208E1AAA	08/20/04	IM40MB	VANADIUM	16.6		MG/KG	II	0	0.5	208E
HC208E1AAA	08/20/04	IM40MB	ZINC	11.6		MG/KG	II	0	0.5	208E
HC208E1AAA	08/20/04	SW8270	{ND on all 78} analytes				II	0	0.5	208E
HC208E1BAA	08/20/04	E314.0	{ND on all 1} analytes				II	1.5	2	208E
HC208E1BAA	08/20/04	D2216M	MOISTURE	15		PERCENT	II	1.5	2	208E
HC208E1BAA	08/20/04	IM40HG	{ND on all 1} analytes				II	1.5	2	208E
HC208E1BAA	08/20/04	IM40MB	ALUMINUM	12000		MG/KG	II	1.5	2	208E
HC208E1BAA	08/20/04	IM40MB	ARSENIC	4		MG/KG	II	1.5	2	208E
HC208E1BAA	08/20/04	IM40MB	BARIUM	11.9		MG/KG	II	1.5	2	208E
HC208E1BAA	08/20/04	IM40MB	BERYLLIUM	0.33		MG/KG	II	1.5	2	208E
HC208E1BAA	08/20/04	IM40MB	CALCIUM	59.8		MG/KG	II	1.5	2	208E
HC208E1BAA	08/20/04	IM40MB	CHROMIUM, TOTAL	13.6		MG/KG	II	1.5	2	208E
HC208E1BAA	08/20/04	IM40MB	COBALT	4.3		MG/KG	II	1.5	2	208E
HC208E1BAA	08/20/04	IM40MB	COPPER	4.7		MG/KG	II	1.5	2	208E
HC208E1BAA	08/20/04	IM40MB	IRON	12000		MG/KG	II	1.5	2	208E
HC208E1BAA	08/20/04	IM40MB	LEAD	13.1		MG/KG	II	1.5	2	208E
HC208E1BAA	08/20/04	IM40MB	MAGNESIUM	1440		MG/KG	II	1.5	2	208E
HC208E1BAA	08/20/04	IM40MB	MANGANESE	70.3		MG/KG	II	1.5	2	208E
HC208E1BAA	08/20/04	IM40MB	NICKEL	8.2		MG/KG	II	1.5	2	208E
HC208E1BAA	08/20/04	IM40MB	VANADIUM	18.1		MG/KG	II	1.5	2	208E
HC208E1BAA	08/20/04	IM40MB	ZINC	15.9		MG/KG	II	1.5	2	208E

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AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC		UNITS	VAL LEVEL	SBD	SED	LOC ID
HC208E1BAA	08/20/04	SW8270	{ND on all 78} analytes				II	1.5	2	208E
HC208F1AAA	08/20/04	E314.0	{ND on all 1} analytes				II	0	0.5	208F
HC208F1AAA	08/20/04	D2216M	MOISTURE	19		PERCENT	II	0	0.5	208F
HC208F1AAA	08/20/04	IM40HG	{ND on all 1} analytes				II	0	0.5	208F
HC208F1AAA	08/20/04	IM40MB	ALUMINUM	12000		MG/KG	II	0	0.5	208F
HC208F1AAA	08/20/04	IM40MB	ARSENIC	3.9		MG/KG	II	0	0.5	208F
HC208F1AAA	08/20/04	IM40MB	BARIUM	10.2		MG/KG	II	0	0.5	208F
HC208F1AAA	08/20/04	IM40MB	BERYLLIUM	0.21		MG/KG	II	0	0.5	208F
HC208F1AAA	08/20/04	IM40MB	CALCIUM	72.2		MG/KG	II	0	0.5	208F
HC208F1AAA	08/20/04	IM40MB	CHROMIUM, TOTAL	12.7		MG/KG	II	0	0.5	208F
HC208F1AAA	08/20/04	IM40MB	COPPER	14.7		MG/KG	II	0	0.5	208F
HC208F1AAA	08/20/04	IM40MB	IRON	12500		MG/KG	II	0	0.5	208F
HC208F1AAA	08/20/04	IM40MB	LEAD	100		MG/KG	II	0	0.5	208F
HC208F1AAA	08/20/04	IM40MB	MAGNESIUM	753		MG/KG	II	0	0.5	208F
HC208F1AAA	08/20/04	IM40MB	MANGANESE	43.6		MG/KG	II	0	0.5	208F
HC208F1AAA	08/20/04	IM40MB	NICKEL	5.1		MG/KG	II	0	0.5	208F
HC208F1AAA	08/20/04	IM40MB	VANADIUM	24.5		MG/KG	II	0	0.5	208F
HC208F1AAA	08/20/04	IM40MB	ZINC	11.3		MG/KG	II	0	0.5	208F
HC208F1AAA	08/20/04	SW8270	BENZOIC ACID	250	J	UG/KG	II	0	0.5	208F
HC208F1AAA	08/20/04	SW8270	PYRENE	21	J	UG/KG	II	0	0.5	208F
HC208F1BAA	08/20/04	E314.0	{ND on all 1} analytes				II	1.5	2	208F
HC208F1BAA	08/20/04	D2216M	MOISTURE	15		PERCENT	II	1.5	2	208F
HC208F1BAA	08/20/04	IM40HG	{ND on all 1} analytes				II	1.5	2	208F
HC208F1BAA	08/20/04	IM40MB	ALUMINUM	15400		MG/KG	II	1.5	2	208F
HC208F1BAA	08/20/04	IM40MB	ARSENIC	3.7		MG/KG	II	1.5	2	208F
HC208F1BAA	08/20/04	IM40MB	BARIUM	15.3		MG/KG	II	1.5	2	208F
HC208F1BAA	08/20/04	IM40MB	BERYLLIUM	0.33		MG/KG	II	1.5	2	208F
HC208F1BAA	08/20/04	IM40MB	CALCIUM	56.3	J	MG/KG	II	1.5	2	208F
HC208F1BAA	08/20/04	IM40MB	CHROMIUM, TOTAL	16.6		MG/KG	II	1.5	2	208F
HC208F1BAA	08/20/04	IM40MB	COBALT	3.9		MG/KG	II	1.5	2	208F
HC208F1BAA	08/20/04	IM40MB	COPPER	4.5		MG/KG	II	1.5	2	208F
HC208F1BAA	08/20/04	IM40MB	IRON	13500		MG/KG	II	1.5	2	208F
HC208F1BAA	08/20/04	IM40MB	LEAD	10.9		MG/KG	II	1.5	2	208F
HC208F1BAA	08/20/04	IM40MB	MAGNESIUM	1540		MG/KG	II	1.5	2	208F
HC208F1BAA	08/20/04	IM40MB	MANGANESE	61.9		MG/KG	II	1.5	2	208F
HC208F1BAA	08/20/04	IM40MB	MOLYBDENUM	0.66		MG/KG	II	1.5	2	208F
HC208F1BAA	08/20/04	IM40MB	NICKEL	8.1		MG/KG	II	1.5	2	208F
HC208F1BAA	08/20/04	IM40MB	POTASSIUM	467		MG/KG	II	1.5	2	208F
HC208F1BAA	08/20/04	IM40MB	VANADIUM	23		MG/KG	II	1.5	2	208F
HC208F1BAA	08/20/04	IM40MB	ZINC	15.7		MG/KG	II	1.5	2	208F
HC208F1BAA	08/20/04	SW8270	{ND on all 78} analytes				II	1.5	2	208F
HC208G1AAA	08/20/04	E314.0	{ND on all 1} analytes				3	0	0.5	208G
HC208G1AAA	08/20/04	D2216M	MOISTURE	16		PERCENT	II	0	0.5	208G
HC208G1AAA	08/20/04	IM40HG	{ND on all 1} analytes				II	0	0.5	208G
HC208G1AAA	08/20/04	IM40MB	ALUMINUM	9720		MG/KG	II	0	0.5	208G
HC208G1AAA	08/20/04	IM40MB	ARSENIC	4	J	MG/KG	II	0	0.5	208G
HC208G1AAA	08/20/04	IM40MB	BARIUM	8.7		MG/KG	II	0	0.5	208G
HC208G1AAA	08/20/04	IM40MB	CHROMIUM, TOTAL	8.8		MG/KG	II	0	0.5	208G
HC208G1AAA	08/20/04	IM40MB	COBALT	1.8		MG/KG	II	0	0.5	208G
HC208G1AAA	08/20/04	IM40MB	COPPER	18.6		MG/KG	II	0	0.5	208G
HC208G1AAA	08/20/04	IM40MB	IRON	9410		MG/KG	II	0	0.5	208G
HC208G1AAA	08/20/04	IM40MB	LEAD	40.2		MG/KG	II	0	0.5	208G
HC208G1AAA	08/20/04	IM40MB	MAGNESIUM	1060		MG/KG	II	0	0.5	208G
HC208G1AAA	08/20/04	IM40MB	MANGANESE	37.1		MG/KG	II	0	0.5	208G
HC208G1AAA	08/20/04	IM40MB	MOLYBDENUM	0.61	J	MG/KG	II	0	0.5	208G
HC208G1AAA	08/20/04	IM40MB	NICKEL	4.7		MG/KG	II	0	0.5	208G
HC208G1AAA	08/20/04	IM40MB	SODIUM	287	J	MG/KG	II	0	0.5	208G
HC208G1AAA	08/20/04	IM40MB	VANADIUM	17.7		MG/KG	II	0	0.5	208G
HC208G1AAA	08/20/04	IM40MB	ZINC	12.5		MG/KG	II	0	0.5	208G
HC208G1AAA	08/20/04	SW8270	{ND on all 78} analytes				II	0	0.5	208G
HC208G1BAA	08/20/04	E314.0	{ND on all 1} analytes				3	1.5	2	208G
HC208G1BAA	08/20/04	D2216M	MOISTURE	15		PERCENT	II	1.5	2	208G

Table A-2
Project Note 2 Analytical Results
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AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	UNITS	VAL LEVEL	SBD	SED	LOC ID
HC208G1BAA	08/20/04	IM40HG	{ND on all 1} analytes			II	1.5	2	208G
HC208G1BAA	08/20/04	IM40MB	ALUMINUM	12000	MG/KG	II	1.5	2	208G
HC208G1BAA	08/20/04	IM40MB	ARSENIC	3.8 J	MG/KG	II	1.5	2	208G
HC208G1BAA	08/20/04	IM40MB	BARIUM	18.2	MG/KG	II	1.5	2	208G
HC208G1BAA	08/20/04	IM40MB	BERYLLIUM	0.28 J	MG/KG	II	1.5	2	208G
HC208G1BAA	08/20/04	IM40MB	BORON	2.1 J	MG/KG	II	1.5	2	208G
HC208G1BAA	08/20/04	IM40MB	CHROMIUM, TOTAL	11.1	MG/KG	II	1.5	2	208G
HC208G1BAA	08/20/04	IM40MB	COBALT	2.8	MG/KG	II	1.5	2	208G
HC208G1BAA	08/20/04	IM40MB	COPPER	11.4	MG/KG	II	1.5	2	208G
HC208G1BAA	08/20/04	IM40MB	IRON	12000	MG/KG	II	1.5	2	208G
HC208G1BAA	08/20/04	IM40MB	LEAD	13.1	MG/KG	II	1.5	2	208G
HC208G1BAA	08/20/04	IM40MB	MAGNESIUM	1350	MG/KG	II	1.5	2	208G
HC208G1BAA	08/20/04	IM40MB	MANGANESE	66.4	MG/KG	II	1.5	2	208G
HC208G1BAA	08/20/04	IM40MB	MOLYBDENUM	0.63 J	MG/KG	II	1.5	2	208G
HC208G1BAA	08/20/04	IM40MB	NICKEL	5.8	MG/KG	II	1.5	2	208G
HC208G1BAA	08/20/04	IM40MB	POTASSIUM	736	MG/KG	II	1.5	2	208G
HC208G1BAA	08/20/04	IM40MB	SODIUM	348	MG/KG	II	1.5	2	208G
HC208G1BAA	08/20/04	IM40MB	VANADIUM	20.6	MG/KG	II	1.5	2	208G
HC208G1BAA	08/20/04	IM40MB	ZINC	16.2	MG/KG	II	1.5	2	208G
HC208G1BAA	08/20/04	SW8270	{ND on all 78} analytes			II	1.5	2	208G
HC208H1AAA	08/20/04	E314.0	{ND on all 1} analytes			II	0	0.5	208H
HC208H1AAA	08/20/04	D2216M	MOISTURE	40	PERCENT	II	0	0.5	208H
HC208H1AAA	08/20/04	IM40HG	{ND on all 1} analytes			II	0	0.5	208H
HC208H1AAA	08/20/04	IM40MB	ALUMINUM	10500	MG/KG	II	0	0.5	208H
HC208H1AAA	08/20/04	IM40MB	ARSENIC	3.2	MG/KG	II	0	0.5	208H
HC208H1AAA	08/20/04	IM40MB	BARIUM	9.4	MG/KG	II	0	0.5	208H
HC208H1AAA	08/20/04	IM40MB	BERYLLIUM	0.13 J	MG/KG	II	0	0.5	208H
HC208H1AAA	08/20/04	IM40MB	CALCIUM	170	MG/KG	II	0	0.5	208H
HC208H1AAA	08/20/04	IM40MB	CHROMIUM, TOTAL	9.9	MG/KG	II	0	0.5	208H
HC208H1AAA	08/20/04	IM40MB	COPPER	5.7	MG/KG	II	0	0.5	208H
HC208H1AAA	08/20/04	IM40MB	IRON	13300	MG/KG	II	0	0.5	208H
HC208H1AAA	08/20/04	IM40MB	LEAD	14.4	MG/KG	II	0	0.5	208H
HC208H1AAA	08/20/04	IM40MB	MAGNESIUM	661	MG/KG	II	0	0.5	208H
HC208H1AAA	08/20/04	IM40MB	MANGANESE	41.6	MG/KG	II	0	0.5	208H
HC208H1AAA	08/20/04	IM40MB	MOLYBDENUM	1.2	MG/KG	II	0	0.5	208H
HC208H1AAA	08/20/04	IM40MB	NICKEL	5.1	MG/KG	II	0	0.5	208H
HC208H1AAA	08/20/04	IM40MB	POTASSIUM	476	MG/KG	II	0	0.5	208H
HC208H1AAA	08/20/04	IM40MB	SELENIUM	2.2 J	MG/KG	II	0	0.5	208H
HC208H1AAA	08/20/04	IM40MB	VANADIUM	25.3	MG/KG	II	0	0.5	208H
HC208H1AAA	08/20/04	IM40MB	ZINC	11.3	MG/KG	II	0	0.5	208H
HC208H1AAA	08/20/04	SW8270	BENZOIC ACID	100 J	UG/KG	II	0	0.5	208H
HC208H1AAD	08/20/04	E314.0	{ND on all 1} analytes			II	0	0.5	208H
HC208H1AAD	08/20/04	D2216M	MOISTURE	21	PERCENT	II	0	0.5	208H
HC208H1AAD	08/20/04	IM40HG	{ND on all 1} analytes			II	0	0.5	208H
HC208H1AAD	08/20/04	IM40MB	ALUMINUM	6860	MG/KG	II	0	0.5	208H
HC208H1AAD	08/20/04	IM40MB	ARSENIC	2.2	MG/KG	II	0	0.5	208H
HC208H1AAD	08/20/04	IM40MB	BARIUM	6	MG/KG	II	0	0.5	208H
HC208H1AAD	08/20/04	IM40MB	BERYLLIUM	0.13 J	MG/KG	II	0	0.5	208H
HC208H1AAD	08/20/04	IM40MB	CALCIUM	91.4	MG/KG	II	0	0.5	208H
HC208H1AAD	08/20/04	IM40MB	CHROMIUM, TOTAL	6.6	MG/KG	II	0	0.5	208H
HC208H1AAD	08/20/04	IM40MB	COPPER	3.9	MG/KG	II	0	0.5	208H
HC208H1AAD	08/20/04	IM40MB	IRON	8430	MG/KG	II	0	0.5	208H
HC208H1AAD	08/20/04	IM40MB	LEAD	9.2	MG/KG	II	0	0.5	208H
HC208H1AAD	08/20/04	IM40MB	MAGNESIUM	536	MG/KG	II	0	0.5	208H
HC208H1AAD	08/20/04	IM40MB	MANGANESE	35.9	MG/KG	II	0	0.5	208H
HC208H1AAD	08/20/04	IM40MB	MOLYBDENUM	0.83	MG/KG	II	0	0.5	208H
HC208H1AAD	08/20/04	IM40MB	NICKEL	3.7	MG/KG	II	0	0.5	208H
HC208H1AAD	08/20/04	IM40MB	POTASSIUM	282	MG/KG	II	0	0.5	208H
HC208H1AAD	08/20/04	IM40MB	VANADIUM	16	MG/KG	II	0	0.5	208H
HC208H1AAD	08/20/04	IM40MB	ZINC	9.1	MG/KG	II	0	0.5	208H
HC208H1AAD	08/20/04	SW8270	{ND on all 78} analytes			II	0	0.5	208H
HC208H1BAA	08/20/04	E314.0	{ND on all 1} analytes			II	1.5	2	208H

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AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC		UNITS	VAL LEVEL	SBD	SED	LOC ID
HC208H1BAA	08/20/04	D2216M	MOISTURE	18		PERCENT	II	1.5	2	208H
HC208H1BAA	08/20/04	IM40HG	{ND on all 1} analytes				II	1.5	2	208H
HC208H1BAA	08/20/04	IM40MB	ALUMINUM	7160		MG/KG	II	1.5	2	208H
HC208H1BAA	08/20/04	IM40MB	ARSENIC	2.3		MG/KG	II	1.5	2	208H
HC208H1BAA	08/20/04	IM40MB	BARIUM	6.6		MG/KG	II	1.5	2	208H
HC208H1BAA	08/20/04	IM40MB	BERYLLIUM	0.14		MG/KG	II	1.5	2	208H
HC208H1BAA	08/20/04	IM40MB	CALCIUM	41.9	J	MG/KG	II	1.5	2	208H
HC208H1BAA	08/20/04	IM40MB	CHROMIUM, TOTAL	7		MG/KG	II	1.5	2	208H
HC208H1BAA	08/20/04	IM40MB	COPPER	2.5		MG/KG	II	1.5	2	208H
HC208H1BAA	08/20/04	IM40MB	IRON	6590		MG/KG	II	1.5	2	208H
HC208H1BAA	08/20/04	IM40MB	LEAD	5		MG/KG	II	1.5	2	208H
HC208H1BAA	08/20/04	IM40MB	MAGNESIUM	634		MG/KG	II	1.5	2	208H
HC208H1BAA	08/20/04	IM40MB	MANGANESE	45.9		MG/KG	II	1.5	2	208H
HC208H1BAA	08/20/04	IM40MB	MOLYBDENUM	0.66		MG/KG	II	1.5	2	208H
HC208H1BAA	08/20/04	IM40MB	NICKEL	3.7		MG/KG	II	1.5	2	208H
HC208H1BAA	08/20/04	IM40MB	POTASSIUM	386		MG/KG	II	1.5	2	208H
HC208H1BAA	08/20/04	IM40MB	VANADIUM	10.7		MG/KG	II	1.5	2	208H
HC208H1BAA	08/20/04	IM40MB	ZINC	11.5		MG/KG	II	1.5	2	208H
HC208H1BAA	08/20/04	SW8270	{ND on all 78} analytes				II	1.5	2	208H
HC208I1AAA	08/17/04	E314.0	{ND on all 1} analytes				II	0	0.5	208I
HC208I1AAD	08/17/04	E314.0	{ND on all 1} analytes				II	0	0.5	208I
HC208I1BAA	08/17/04	E314.0	{ND on all 1} analytes				II	1.5	2	208I
HC208J1AAA	08/17/04	E314.0	{ND on all 1} analytes				II	0	0.5	208J
HC208J1BAA	08/17/04	E314.0	{ND on all 1} analytes				II	1.5	2	208J
HC208K1AAA	08/18/04	E314.0	PERCHLORATE	3.08	J	UG/KG	II	0	0.5	208K
HC208K1BAA	08/18/04	E314.0	{ND on all 1} analytes				II	1.5	2	208K
HC208L1AAA	08/18/04	E314.0	{ND on all 1} analytes				II	0	0.5	208L
HC208L1BAA	08/18/04	E314.0	{ND on all 1} analytes				II	1.5	2	208L
HC208M1AAA	08/18/04	E314.0	{ND on all 1} analytes				II	0	0.5	208M
HC208M1AAD	08/18/04	E314.0	{ND on all 1} analytes				II	0	0.5	208H
HC208M1BAA	08/18/04	E314.0	{ND on all 1} analytes				II	1.5	2	208M
HC208N1AAA	08/18/04	E314.0	{ND on all 1} analytes				II	0	0.5	208N
HC208N1BAA	08/18/04	E314.0	{ND on all 1} analytes				II	1.5	2	208N
HC208O1AAA	08/23/04	E314.0	{ND on all 1} analytes				3	0	0.5	208O
HC208O1BAA	08/23/04	E314.0	{ND on all 1} analytes				3	1.5	2	208O
HD208AB1AAA	10/08/04	D2216M	MOISTURE	18	*	PERCENT	*	0	0.5	208AB
HD208AB1AAA	10/08/04	IM40HG	{ND on all 1} analytes				*	0	0.5	208AB
HD208AB1AAA	10/08/04	IM40MB	ALUMINUM	12800	*	MG/KG	*	0	0.5	208AB
HD208AB1AAA	10/08/04	IM40MB	ARSENIC	3.6	*	MG/KG	*	0	0.5	208AB
HD208AB1AAA	10/08/04	IM40MB	BARIUM	6.5	*	MG/KG	*	0	0.5	208AB
HD208AB1AAA	10/08/04	IM40MB	BERYLLIUM	0.21	*	MG/KG	*	0	0.5	208AB
HD208AB1AAA	10/08/04	IM40MB	CADMIUM	0.28	*	MG/KG	*	0	0.5	208AB
HD208AB1AAA	10/08/04	IM40MB	CHROMIUM, TOTAL	11.6	*	MG/KG	*	0	0.5	208AB
HD208AB1AAA	10/08/04	IM40MB	COBALT	1.1	J*	MG/KG	*	0	0.5	208AB
HD208AB1AAA	10/08/04	IM40MB	COPPER	13.4	J*	MG/KG	*	0	0.5	208AB
HD208AB1AAA	10/08/04	IM40MB	IRON	11600	*	MG/KG	*	0	0.5	208AB
HD208AB1AAA	10/08/04	IM40MB	LEAD	354	*	MG/KG	*	0	0.5	208AB
HD208AB1AAA	10/08/04	IM40MB	MAGNESIUM	546	*	MG/KG	*	0	0.5	208AB
HD208AB1AAA	10/08/04	IM40MB	MANGANESE	27.1	*	MG/KG	*	0	0.5	208AB
HD208AB1AAA	10/08/04	IM40MB	MOLYBDENUM	0.99	*	MG/KG	*	0	0.5	208AB
HD208AB1AAA	10/08/04	IM40MB	NICKEL	4.6	*	MG/KG	*	0	0.5	208AB
HD208AB1AAA	10/08/04	IM40MB	POTASSIUM	267	*	MG/KG	*	0	0.5	208AB
HD208AB1AAA	10/08/04	IM40MB	VANADIUM	18.9	*	MG/KG	*	0	0.5	208AB
HD208AB1AAA	10/08/04	IM40MB	ZINC	9.9	*	MG/KG	*	0	0.5	208AB
HD208AB1AAA	10/08/04	6010B_T	BARIUM	37.6	*	UG/L	*	0	0.5	208AB
HD208AB1AAA	10/08/04	6010B_T	CADMIUM	0.51	J*	UG/L	*	0	0.5	208AB
HD208AB1AAA	10/08/04	6010B_T	CHROMIUM, TOTAL	1.2	J*	UG/L	*	0	0.5	208AB
HD208AB1AAA	10/08/04	6010B_T	LEAD	902	*	UG/L	*	0	0.5	208AB
HD208AB1AAA	10/08/04	6010B_T	SELENIUM	6.4	*	UG/L	*	0	0.5	208AB
HD208AB1AAA	10/08/04	7470A_T	{ND on all 1} analytes				*	0	0.5	208AB
HD208AB1AAD	10/08/04	D2216M	MOISTURE	17	*	PERCENT	*	0	0.5	208AB
HD208AB1AAD	10/08/04	IM40HG	{ND on all 1} analytes				*	0	0.5	208AB

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AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC		UNITS	VAL LEVEL	SBD	SED	LOC ID
HD208AB1AAD	10/08/04	IM40MB	ALUMINUM	13200	*	MG/KG	*	0	0.5	208AB
HD208AB1AAD	10/08/04	IM40MB	ARSENIC	3.7	*	MG/KG	*	0	0.5	208AB
HD208AB1AAD	10/08/04	IM40MB	BARIUM	5.8	*	MG/KG	*	0	0.5	208AB
HD208AB1AAD	10/08/04	IM40MB	BERYLLIUM	0.21	*	MG/KG	*	0	0.5	208AB
HD208AB1AAD	10/08/04	IM40MB	CADMIUM	0.32	*	MG/KG	*	0	0.5	208AB
HD208AB1AAD	10/08/04	IM40MB	CHROMIUM, TOTAL	11.7	*	MG/KG	*	0	0.5	208AB
HD208AB1AAD	10/08/04	IM40MB	COBALT	1	J*	MG/KG	*	0	0.5	208AB
HD208AB1AAD	10/08/04	IM40MB	COPPER	10.5	J*	MG/KG	*	0	0.5	208AB
HD208AB1AAD	10/08/04	IM40MB	IRON	11800	*	MG/KG	*	0	0.5	208AB
HD208AB1AAD	10/08/04	IM40MB	LEAD	283	*	MG/KG	*	0	0.5	208AB
HD208AB1AAD	10/08/04	IM40MB	MAGNESIUM	548	*	MG/KG	*	0	0.5	208AB
HD208AB1AAD	10/08/04	IM40MB	MANGANESE	31.4	*	MG/KG	*	0	0.5	208AB
HD208AB1AAD	10/08/04	IM40MB	MOLYBDENUM	1.1	*	MG/KG	*	0	0.5	208AB
HD208AB1AAD	10/08/04	IM40MB	NICKEL	4.7	*	MG/KG	*	0	0.5	208AB
HD208AB1AAD	10/08/04	IM40MB	POTASSIUM	238	*	MG/KG	*	0	0.5	208AB
HD208AB1AAD	10/08/04	IM40MB	VANADIUM	19.3	*	MG/KG	*	0	0.5	208AB
HD208AB1AAD	10/08/04	IM40MB	ZINC	9.9	*	MG/KG	*	0	0.5	208AB
HD208AB1AAD	10/08/04	6010B_T	BARIUM	60.7	*	UG/L	*	0	0.5	208AB
HD208AB1AAD	10/08/04	6010B_T	CADMIUM	0.85	J*	UG/L	*	0	0.5	208AB
HD208AB1AAD	10/08/04	6010B_T	CHROMIUM, TOTAL	1.9	J*	UG/L	*	0	0.5	208AB
HD208AB1AAD	10/08/04	6010B_T	LEAD	3950	*	UG/L	*	0	0.5	208AB
HD208AB1AAD	10/08/04	6010B_T	SELENIUM	7.6	*	UG/L	*	0	0.5	208AB
HD208AB1AAD	10/08/04	7470A_T	{ND on all 1} analytes				*	0	0.5	208AB
HD208AB1BAA	10/08/04	D2216M	MOISTURE	17	*	PERCENT	*	1.5	2	208AB
HD208AB1BAA	10/08/04	IM40HG	{ND on all 1} analytes				*	1.5	2	208AB
HD208AB1BAA	10/08/04	IM40MB	ALUMINUM	15300	*	MG/KG	*	1.5	2	208AB
HD208AB1BAA	10/08/04	IM40MB	ARSENIC	4.3	*	MG/KG	*	1.5	2	208AB
HD208AB1BAA	10/08/04	IM40MB	BARIUM	17.1	*	MG/KG	*	1.5	2	208AB
HD208AB1BAA	10/08/04	IM40MB	BERYLLIUM	0.36	*	MG/KG	*	1.5	2	208AB
HD208AB1BAA	10/08/04	IM40MB	BORON	1.9	J*	MG/KG	*	1.5	2	208AB
HD208AB1BAA	10/08/04	IM40MB	CADMIUM	0.45	*	MG/KG	*	1.5	2	208AB
HD208AB1BAA	10/08/04	IM40MB	CHROMIUM, TOTAL	16.5	*	MG/KG	*	1.5	2	208AB
HD208AB1BAA	10/08/04	IM40MB	COBALT	3.8	*	MG/KG	*	1.5	2	208AB
HD208AB1BAA	10/08/04	IM40MB	COPPER	4.4	J*	MG/KG	*	1.5	2	208AB
HD208AB1BAA	10/08/04	IM40MB	IRON	14700	*	MG/KG	*	1.5	2	208AB
HD208AB1BAA	10/08/04	IM40MB	LEAD	8.4	*	MG/KG	*	1.5	2	208AB
HD208AB1BAA	10/08/04	IM40MB	MAGNESIUM	2000	*	MG/KG	*	1.5	2	208AB
HD208AB1BAA	10/08/04	IM40MB	MANGANESE	89.4	*	MG/KG	*	1.5	2	208AB
HD208AB1BAA	10/08/04	IM40MB	NICKEL	8.5	*	MG/KG	*	1.5	2	208AB
HD208AB1BAA	10/08/04	IM40MB	POTASSIUM	656	*	MG/KG	*	1.5	2	208AB
HD208AB1BAA	10/08/04	IM40MB	VANADIUM	22.2	*	MG/KG	*	1.5	2	208AB
HD208AB1BAA	10/08/04	IM40MB	ZINC	18.1	*	MG/KG	*	1.5	2	208AB
HD208AB1BAA	10/08/04	6010B_T	BARIUM	253	*	UG/L	*	1.5	2	208AB
HD208AB1BAA	10/08/04	6010B_T	CADMIUM	0.5	J*	UG/L	*	1.5	2	208AB
HD208AB1BAA	10/08/04	6010B_T	CHROMIUM, TOTAL	1.8	J*	UG/L	*	1.5	2	208AB
HD208AB1BAA	10/08/04	6010B_T	LEAD	11.4	*	UG/L	*	1.5	2	208AB
HD208AB1BAA	10/08/04	6010B_T	SELENIUM	8.6	*	UG/L	*	1.5	2	208AB
HD208AB1BAA	10/08/04	7470A_T	{ND on all 1} analytes				*	1.5	2	208AB
HD208BB1AAA	10/08/04	D2216M	MOISTURE	23	*	PERCENT	*	0	0.5	208BB
HD208BB1AAA	10/08/04	IM40HG	{ND on all 1} analytes				*	0	0.5	208BB
HD208BB1AAA	10/08/04	IM40MB	ALUMINUM	13300	*	MG/KG	*	0	0.5	208BB
HD208BB1AAA	10/08/04	IM40MB	ARSENIC	4.4	*	MG/KG	*	0	0.5	208BB
HD208BB1AAA	10/08/04	IM40MB	BARIUM	9.2	*	MG/KG	*	0	0.5	208BB
HD208BB1AAA	10/08/04	IM40MB	BERYLLIUM	0.11	J*	MG/KG	*	0	0.5	208BB
HD208BB1AAA	10/08/04	IM40MB	CADMIUM	0.43	*	MG/KG	*	0	0.5	208BB
HD208BB1AAA	10/08/04	IM40MB	CHROMIUM, TOTAL	12.1	*	MG/KG	*	0	0.5	208BB
HD208BB1AAA	10/08/04	IM40MB	COPPER	7.2	J*	MG/KG	*	0	0.5	208BB
HD208BB1AAA	10/08/04	IM40MB	IRON	14600	*	MG/KG	*	0	0.5	208BB
HD208BB1AAA	10/08/04	IM40MB	LEAD	35	*	MG/KG	*	0	0.5	208BB
HD208BB1AAA	10/08/04	IM40MB	MAGNESIUM	472	*	MG/KG	*	0	0.5	208BB
HD208BB1AAA	10/08/04	IM40MB	MANGANESE	22.3	*	MG/KG	*	0	0.5	208BB
HD208BB1AAA	10/08/04	IM40MB	MOLYBDENUM	0.91	J*	MG/KG	*	0	0.5	208BB

Table A-2
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AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC		UNITS	VAL LEVEL	SBD	SED	LOC ID
HD208BB1AAA	10/08/04	IM40MB	NICKEL	3.8	*	MG/KG	*	0	0.5	208BB
HD208BB1AAA	10/08/04	IM40MB	POTASSIUM	342	*	MG/KG	*	0	0.5	208BB
HD208BB1AAA	10/08/04	IM40MB	SELENIUM	1.1	J*	MG/KG	*	0	0.5	208BB
HD208BB1AAA	10/08/04	IM40MB	VANADIUM	23.5	*	MG/KG	*	0	0.5	208BB
HD208BB1AAA	10/08/04	IM40MB	ZINC	8.9	*	MG/KG	*	0	0.5	208BB
HD208BB1AAA	10/08/04	6010B_T	BARIUM	63.4	*	UG/L	*	0	0.5	208BB
HD208BB1AAA	10/08/04	6010B_T	CHROMIUM, TOTAL	2	J*	UG/L	*	0	0.5	208BB
HD208BB1AAA	10/08/04	6010B_T	LEAD	29.7	*	UG/L	*	0	0.5	208BB
HD208BB1AAA	10/08/04	6010B_T	SELENIUM	5.3	J*	UG/L	*	0	0.5	208BB
HD208BB1AAA	10/08/04	7470A_T	{ND on all 1} analytes				*	0	0.5	208BB
HD208BB1BAA	10/08/04	D2216M	MOISTURE	18	*	PERCENT	*	1.5	2	208BB
HD208BB1BAA	10/08/04	IM40HG	{ND on all 1} analytes				*	1.5	2	208BB
HD208BB1BAA	10/08/04	IM40MB	ALUMINUM	13600	*	MG/KG	*	1.5	2	208BB
HD208BB1BAA	10/08/04	IM40MB	ARSENIC	5	*	MG/KG	*	1.5	2	208BB
HD208BB1BAA	10/08/04	IM40MB	BARIUM	14.5	*	MG/KG	*	1.5	2	208BB
HD208BB1BAA	10/08/04	IM40MB	BERYLLIUM	0.34	*	MG/KG	*	1.5	2	208BB
HD208BB1BAA	10/08/04	IM40MB	CADMIUM	0.34	*	MG/KG	*	1.5	2	208BB
HD208BB1BAA	10/08/04	IM40MB	CHROMIUM, TOTAL	15.2	*	MG/KG	*	1.5	2	208BB
HD208BB1BAA	10/08/04	IM40MB	COBALT	3.5	*	MG/KG	*	1.5	2	208BB
HD208BB1BAA	10/08/04	IM40MB	COPPER	5.2	J*	MG/KG	*	1.5	2	208BB
HD208BB1BAA	10/08/04	IM40MB	IRON	14800	*	MG/KG	*	1.5	2	208BB
HD208BB1BAA	10/08/04	IM40MB	LEAD	8	*	MG/KG	*	1.5	2	208BB
HD208BB1BAA	10/08/04	IM40MB	MAGNESIUM	1960	*	MG/KG	*	1.5	2	208BB
HD208BB1BAA	10/08/04	IM40MB	MANGANESE	82	*	MG/KG	*	1.5	2	208BB
HD208BB1BAA	10/08/04	IM40MB	NICKEL	8	*	MG/KG	*	1.5	2	208BB
HD208BB1BAA	10/08/04	IM40MB	POTASSIUM	656	*	MG/KG	*	1.5	2	208BB
HD208BB1BAA	10/08/04	IM40MB	VANADIUM	20.6	*	MG/KG	*	1.5	2	208BB
HD208BB1BAA	10/08/04	IM40MB	ZINC	18.1	*	MG/KG	*	1.5	2	208BB
HD208BB1BAA	10/08/04	6010B_T	BARIUM	97.1	*	UG/L	*	1.5	2	208BB
HD208BB1BAA	10/08/04	6010B_T	LEAD	9.7	*	UG/L	*	1.5	2	208BB
HD208BB1BAA	10/08/04	6010B_T	SELENIUM	7	*	UG/L	*	1.5	2	208BB
HD208BB1BAA	10/08/04	7470A_T	{ND on all 1} analytes				*	1.5	2	208BB
HD208CB1AAA	10/08/04	D2216M	MOISTURE	20	*	PERCENT	*	0	0.5	208CB
HD208CB1AAA	10/08/04	IM40HG	{ND on all 1} analytes				*	0	0.5	208CB
HD208CB1AAA	10/08/04	IM40MB	ALUMINUM	5980	*	MG/KG	*	0	0.5	208CB
HD208CB1AAA	10/08/04	IM40MB	ARSENIC	2.4	J*	MG/KG	*	0	0.5	208CB
HD208CB1AAA	10/08/04	IM40MB	BARIUM	8.3	*	MG/KG	*	0	0.5	208CB
HD208CB1AAA	10/08/04	IM40MB	CADMIUM	0.29	*	MG/KG	*	0	0.5	208CB
HD208CB1AAA	10/08/04	IM40MB	CHROMIUM, TOTAL	5.9	*	MG/KG	*	0	0.5	208CB
HD208CB1AAA	10/08/04	IM40MB	COPPER	3.3	J*	MG/KG	*	0	0.5	208CB
HD208CB1AAA	10/08/04	IM40MB	IRON	9580	*	MG/KG	*	0	0.5	208CB
HD208CB1AAA	10/08/04	IM40MB	LEAD	14	*	MG/KG	*	0	0.5	208CB
HD208CB1AAA	10/08/04	IM40MB	MAGNESIUM	233	*	MG/KG	*	0	0.5	208CB
HD208CB1AAA	10/08/04	IM40MB	MANGANESE	13.6	*	MG/KG	*	0	0.5	208CB
HD208CB1AAA	10/08/04	IM40MB	MOLYBDENUM	0.81	J*	MG/KG	*	0	0.5	208CB
HD208CB1AAA	10/08/04	IM40MB	NICKEL	2.3	*	MG/KG	*	0	0.5	208CB
HD208CB1AAA	10/08/04	IM40MB	POTASSIUM	265	*	MG/KG	*	0	0.5	208CB
HD208CB1AAA	10/08/04	IM40MB	VANADIUM	18.2	*	MG/KG	*	0	0.5	208CB
HD208CB1AAA	10/08/04	IM40MB	ZINC	5.8	*	MG/KG	*	0	0.5	208CB
HD208CB1AAA	10/08/04	6010B_T	BARIUM	60.8	*	UG/L	*	0	0.5	208CB
HD208CB1AAA	10/08/04	6010B_T	CADMIUM	0.51	J*	UG/L	*	0	0.5	208CB
HD208CB1AAA	10/08/04	6010B_T	CHROMIUM, TOTAL	1.8	J*	UG/L	*	0	0.5	208CB
HD208CB1AAA	10/08/04	6010B_T	LEAD	9.6	*	UG/L	*	0	0.5	208CB
HD208CB1AAA	10/08/04	6010B_T	SELENIUM	8.5	*	UG/L	*	0	0.5	208CB
HD208CB1AAA	10/08/04	7470A_T	{ND on all 1} analytes				*	0	0.5	208CB
HD208CB1BAA	10/08/04	D2216M	MOISTURE	17	*	PERCENT	*	1.5	2	208CB
HD208CB1BAA	10/08/04	IM40HG	{ND on all 1} analytes				*	1.5	2	208CB
HD208CB1BAA	10/08/04	IM40MB	ALUMINUM	15900	*	MG/KG	*	1.5	2	208CB
HD208CB1BAA	10/08/04	IM40MB	ARSENIC	5.5	*	MG/KG	*	1.5	2	208CB
HD208CB1BAA	10/08/04	IM40MB	BARIUM	13	*	MG/KG	*	1.5	2	208CB
HD208CB1BAA	10/08/04	IM40MB	BERYLLIUM	0.3	*	MG/KG	*	1.5	2	208CB
HD208CB1BAA	10/08/04	IM40MB	CADMIUM	0.44	*	MG/KG	*	1.5	2	208CB

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AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC		UNITS	VAL LEVEL	SBD	SED	LOC ID
HD208CB1BAA	10/08/04	IM40MB	CHROMIUM, TOTAL	16.6	*	MG/KG	*	1.5	2	208CB
HD208CB1BAA	10/08/04	IM40MB	COBALT	2.7	*	MG/KG	*	1.5	2	208CB
HD208CB1BAA	10/08/04	IM40MB	COPPER	3	J*	MG/KG	*	1.5	2	208CB
HD208CB1BAA	10/08/04	IM40MB	IRON	15400	*	MG/KG	*	1.5	2	208CB
HD208CB1BAA	10/08/04	IM40MB	LEAD	8.8	*	MG/KG	*	1.5	2	208CB
HD208CB1BAA	10/08/04	IM40MB	MAGNESIUM	1410	*	MG/KG	*	1.5	2	208CB
HD208CB1BAA	10/08/04	IM40MB	MANGANESE	62.6	*	MG/KG	*	1.5	2	208CB
HD208CB1BAA	10/08/04	IM40MB	MOLYBDENUM	0.56	J*	MG/KG	*	1.5	2	208CB
HD208CB1BAA	10/08/04	IM40MB	NICKEL	7.7	*	MG/KG	*	1.5	2	208CB
HD208CB1BAA	10/08/04	IM40MB	POTASSIUM	497	*	MG/KG	*	1.5	2	208CB
HD208CB1BAA	10/08/04	IM40MB	VANADIUM	22.7	*	MG/KG	*	1.5	2	208CB
HD208CB1BAA	10/08/04	IM40MB	ZINC	14	*	MG/KG	*	1.5	2	208CB
HD208CB1BAA	10/08/04	6010B_T	BARIUM	143	*	UG/L	*	1.5	2	208CB
HD208CB1BAA	10/08/04	6010B_T	CADMIUM	0.51	J*	UG/L	*	1.5	2	208CB
HD208CB1BAA	10/08/04	6010B_T	CHROMIUM, TOTAL	3.2	*	UG/L	*	1.5	2	208CB
HD208CB1BAA	10/08/04	6010B_T	LEAD	16.6	*	UG/L	*	1.5	2	208CB
HD208CB1BAA	10/08/04	6010B_T	SELENIUM	7.3	*	UG/L	*	1.5	2	208CB
HD208CB1BAA	10/08/04	6010B_T	SILVER	2.9	J*	UG/L	*	1.5	2	208CB
HD208CB1BAA	10/08/04	7470A_T	{ND on all 1} analytes				*	1.5	2	208CB
HD208DB1AAA	10/08/04	D2216M	MOISTURE	15	*	PERCENT	*	0	0.5	208DB
HD208DB1AAA	10/08/04	IM40HG	{ND on all 1} analytes				*	0	0.5	208DB
HD208DB1AAA	10/08/04	IM40MB	ALUMINUM	10700	*	MG/KG	*	0	0.5	208DB
HD208DB1AAA	10/08/04	IM40MB	ARSENIC	3.7	*	MG/KG	*	0	0.5	208DB
HD208DB1AAA	10/08/04	IM40MB	BARIUM	15.5	*	MG/KG	*	0	0.5	208DB
HD208DB1AAA	10/08/04	IM40MB	BERYLLIUM	0.3	*	MG/KG	*	0	0.5	208DB
HD208DB1AAA	10/08/04	IM40MB	CADMIUM	0.13	J*	MG/KG	*	0	0.5	208DB
HD208DB1AAA	10/08/04	IM40MB	CHROMIUM, TOTAL	12.6	*	MG/KG	*	0	0.5	208DB
HD208DB1AAA	10/08/04	IM40MB	COBALT	4.3	*	MG/KG	*	0	0.5	208DB
HD208DB1AAA	10/08/04	IM40MB	COPPER	5.4	*	MG/KG	*	0	0.5	208DB
HD208DB1AAA	10/08/04	IM40MB	IRON	11800	*	MG/KG	*	0	0.5	208DB
HD208DB1AAA	10/08/04	IM40MB	LEAD	8.7	*	MG/KG	*	0	0.5	208DB
HD208DB1AAA	10/08/04	IM40MB	MAGNESIUM	1880	*	MG/KG	*	0	0.5	208DB
HD208DB1AAA	10/08/04	IM40MB	MANGANESE	71.6	*	MG/KG	*	0	0.5	208DB
HD208DB1AAA	10/08/04	IM40MB	NICKEL	7.1	*	MG/KG	*	0	0.5	208DB
HD208DB1AAA	10/08/04	IM40MB	POTASSIUM	827	J*	MG/KG	*	0	0.5	208DB
HD208DB1AAA	10/08/04	IM40MB	VANADIUM	16.3	*	MG/KG	*	0	0.5	208DB
HD208DB1AAA	10/08/04	IM40MB	ZINC	16.8	*	MG/KG	*	0	0.5	208DB
HD208DB1AAA	10/08/04	6010B_T	BARIUM	127	*	UG/L	*	0	0.5	208DB
HD208DB1AAA	10/08/04	6010B_T	CADMIUM	0.51	J*	UG/L	*	0	0.5	208DB
HD208DB1AAA	10/08/04	6010B_T	CHROMIUM, TOTAL	2.4	*	UG/L	*	0	0.5	208DB
HD208DB1AAA	10/08/04	6010B_T	LEAD	11	*	UG/L	*	0	0.5	208DB
HD208DB1AAA	10/08/04	6010B_T	SELENIUM	7	J*	UG/L	*	0	0.5	208DB
HD208DB1AAA	10/08/04	6010B_T	SILVER	2.4	*	UG/L	*	0	0.5	208DB
HD208DB1AAA	10/08/04	7470A_T	{ND on all 1} analytes				*	0	0.5	208DB
HD208DB1BAA	10/08/04	D2216M	MOISTURE	16	*	PERCENT	*	1.5	2	208DB
HD208DB1BAA	10/08/04	IM40HG	{ND on all 1} analytes				*	1.5	2	208DB
HD208DB1BAA	10/08/04	IM40MB	ALUMINUM	15300	*	MG/KG	*	1.5	2	208DB
HD208DB1BAA	10/08/04	IM40MB	ARSENIC	3.7	*	MG/KG	*	1.5	2	208DB
HD208DB1BAA	10/08/04	IM40MB	BARIUM	14.3	*	MG/KG	*	1.5	2	208DB
HD208DB1BAA	10/08/04	IM40MB	BERYLLIUM	0.22	*	MG/KG	*	1.5	2	208DB
HD208DB1BAA	10/08/04	IM40MB	CADMIUM	0.21	J*	MG/KG	*	1.5	2	208DB
HD208DB1BAA	10/08/04	IM40MB	CHROMIUM, TOTAL	15.4	*	MG/KG	*	1.5	2	208DB
HD208DB1BAA	10/08/04	IM40MB	COBALT	3.1	*	MG/KG	*	1.5	2	208DB
HD208DB1BAA	10/08/04	IM40MB	COPPER	4.4	*	MG/KG	*	1.5	2	208DB
HD208DB1BAA	10/08/04	IM40MB	IRON	13600	*	MG/KG	*	1.5	2	208DB
HD208DB1BAA	10/08/04	IM40MB	LEAD	12.3	*	MG/KG	*	1.5	2	208DB
HD208DB1BAA	10/08/04	IM40MB	MAGNESIUM	1360	*	MG/KG	*	1.5	2	208DB
HD208DB1BAA	10/08/04	IM40MB	MANGANESE	50.7	*	MG/KG	*	1.5	2	208DB
HD208DB1BAA	10/08/04	IM40MB	NICKEL	6.4	*	MG/KG	*	1.5	2	208DB
HD208DB1BAA	10/08/04	IM40MB	VANADIUM	20	*	MG/KG	*	1.5	2	208DB
HD208DB1BAA	10/08/04	IM40MB	ZINC	12.9	*	MG/KG	*	1.5	2	208DB
HD208DB1BAA	10/08/04	6010B_T	BARIUM	180	*	UG/L	*	1.5	2	208DB

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AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC		UNITS	VAL LEVEL	SBD	SED	LOC ID
HD208DB1BAA	10/08/04	6010B_T	CADMIUM	1.6	*	UG/L	*	1.5	2	208DB
HD208DB1BAA	10/08/04	6010B_T	CHROMIUM, TOTAL	7.3	*	UG/L	*	1.5	2	208DB
HD208DB1BAA	10/08/04	6010B_T	LEAD	26.8	*	UG/L	*	1.5	2	208DB
HD208DB1BAA	10/08/04	6010B_T	SELENIUM	7.3	J*	UG/L	*	1.5	2	208DB
HD208DB1BAA	10/08/04	6010B_T	SILVER	6.3	*	UG/L	*	1.5	2	208DB
HD208DB1BAA	10/08/04	7470A_T	{ND on all 1} analytes				*	1.5	2	208DB
HD208EB1AAA	10/08/04	D2216M	MOISTURE	18	*	PERCENT	*	0	0.5	208EB
HD208EB1AAA	10/08/04	IM40HG	{ND on all 1} analytes				*	0	0.5	208EB
HD208EB1AAA	10/08/04	IM40MB	ALUMINUM	13500	*	MG/KG	*	0	0.5	208EB
HD208EB1AAA	10/08/04	IM40MB	ARSENIC	3.8	*	MG/KG	*	0	0.5	208EB
HD208EB1AAA	10/08/04	IM40MB	BARIUM	10.2	*	MG/KG	*	0	0.5	208EB
HD208EB1AAA	10/08/04	IM40MB	BERYLLIUM	0.23	*	MG/KG	*	0	0.5	208EB
HD208EB1AAA	10/08/04	IM40MB	CADMIUM	0.2	J*	MG/KG	*	0	0.5	208EB
HD208EB1AAA	10/08/04	IM40MB	CHROMIUM, TOTAL	13.5	*	MG/KG	*	0	0.5	208EB
HD208EB1AAA	10/08/04	IM40MB	COBALT	2.9	*	MG/KG	*	0	0.5	208EB
HD208EB1AAA	10/08/04	IM40MB	COPPER	3.9	*	MG/KG	*	0	0.5	208EB
HD208EB1AAA	10/08/04	IM40MB	IRON	13400	*	MG/KG	*	0	0.5	208EB
HD208EB1AAA	10/08/04	IM40MB	LEAD	27.8	*	MG/KG	*	0	0.5	208EB
HD208EB1AAA	10/08/04	IM40MB	MAGNESIUM	1080	*	MG/KG	*	0	0.5	208EB
HD208EB1AAA	10/08/04	IM40MB	MANGANESE	48.8	*	MG/KG	*	0	0.5	208EB
HD208EB1AAA	10/08/04	IM40MB	MOLYBDENUM	0.64	J*	MG/KG	*	0	0.5	208EB
HD208EB1AAA	10/08/04	IM40MB	NICKEL	6.1	*	MG/KG	*	0	0.5	208EB
HD208EB1AAA	10/08/04	IM40MB	VANADIUM	18.5	*	MG/KG	*	0	0.5	208EB
HD208EB1AAA	10/08/04	IM40MB	ZINC	11.9	*	MG/KG	*	0	0.5	208EB
HD208EB1AAA	10/08/04	6010B_T	BARIUM	71.3	*	UG/L	*	0	0.5	208EB
HD208EB1AAA	10/08/04	6010B_T	CHROMIUM, TOTAL	1.8	*	UG/L	*	0	0.5	208EB
HD208EB1AAA	10/08/04	6010B_T	LEAD	77.4	*	UG/L	*	0	0.5	208EB
HD208EB1AAA	10/08/04	7470A_T	{ND on all 1} analytes				*	0	0.5	208EB
HD208EB1AAD	10/08/04	D2216M	MOISTURE	20	*	PERCENT	*	0	0.5	208EB
HD208EB1AAD	10/08/04	IM40HG	{ND on all 1} analytes				*	0	0.5	208EB
HD208EB1AAD	10/08/04	IM40MB	ALUMINUM	13800	*	MG/KG	*	0	0.5	208EB
HD208EB1AAD	10/08/04	IM40MB	ARSENIC	4.5	*	MG/KG	*	0	0.5	208EB
HD208EB1AAD	10/08/04	IM40MB	BARIUM	9.5	*	MG/KG	*	0	0.5	208EB
HD208EB1AAD	10/08/04	IM40MB	BERYLLIUM	0.25	*	MG/KG	*	0	0.5	208EB
HD208EB1AAD	10/08/04	IM40MB	CADMIUM	0.21	J*	MG/KG	*	0	0.5	208EB
HD208EB1AAD	10/08/04	IM40MB	CHROMIUM, TOTAL	13.3	*	MG/KG	*	0	0.5	208EB
HD208EB1AAD	10/08/04	IM40MB	COBALT	2.9	*	MG/KG	*	0	0.5	208EB
HD208EB1AAD	10/08/04	IM40MB	COPPER	3.7	*	MG/KG	*	0	0.5	208EB
HD208EB1AAD	10/08/04	IM40MB	IRON	13500	*	MG/KG	*	0	0.5	208EB
HD208EB1AAD	10/08/04	IM40MB	LEAD	24.8	*	MG/KG	*	0	0.5	208EB
HD208EB1AAD	10/08/04	IM40MB	MAGNESIUM	1050	*	MG/KG	*	0	0.5	208EB
HD208EB1AAD	10/08/04	IM40MB	MANGANESE	48.2	*	MG/KG	*	0	0.5	208EB
HD208EB1AAD	10/08/04	IM40MB	MOLYBDENUM	0.48	J*	MG/KG	*	0	0.5	208EB
HD208EB1AAD	10/08/04	IM40MB	NICKEL	5.7	*	MG/KG	*	0	0.5	208EB
HD208EB1AAD	10/08/04	IM40MB	VANADIUM	18.2	*	MG/KG	*	0	0.5	208EB
HD208EB1AAD	10/08/04	IM40MB	ZINC	11.7	*	MG/KG	*	0	0.5	208EB
HD208EB1AAD	10/08/04	6010B_T	BARIUM	65.2	*	UG/L	*	0	0.5	208EB
HD208EB1AAD	10/08/04	6010B_T	LEAD	63.7	*	UG/L	*	0	0.5	208EB
HD208EB1AAD	10/08/04	6010B_T	SELENIUM	5.7	J*	UG/L	*	0	0.5	208EB
HD208EB1AAD	10/08/04	7470A_T	{ND on all 1} analytes				*	0	0.5	208EB
HD208EB1BAA	10/08/04	D2216M	MOISTURE	17	*	PERCENT	*	1.5	2	208EB
HD208EB1BAA	10/08/04	IM40HG	{ND on all 1} analytes				*	1.5	2	208EB
HD208EB1BAA	10/08/04	IM40MB	ALUMINUM	13100	*	MG/KG	*	1.5	2	208EB
HD208EB1BAA	10/08/04	IM40MB	ARSENIC	4.8	*	MG/KG	*	1.5	2	208EB
HD208EB1BAA	10/08/04	IM40MB	BARIUM	7.4	*	MG/KG	*	1.5	2	208EB
HD208EB1BAA	10/08/04	IM40MB	BERYLLIUM	0.22	*	MG/KG	*	1.5	2	208EB
HD208EB1BAA	10/08/04	IM40MB	CADMIUM	0.17	J*	MG/KG	*	1.5	2	208EB
HD208EB1BAA	10/08/04	IM40MB	CHROMIUM, TOTAL	11.5	*	MG/KG	*	1.5	2	208EB
HD208EB1BAA	10/08/04	IM40MB	COBALT	2.2	*	MG/KG	*	1.5	2	208EB
HD208EB1BAA	10/08/04	IM40MB	COPPER	2.5	*	MG/KG	*	1.5	2	208EB
HD208EB1BAA	10/08/04	IM40MB	IRON	13800	*	MG/KG	*	1.5	2	208EB
HD208EB1BAA	10/08/04	IM40MB	LEAD	7.7	*	MG/KG	*	1.5	2	208EB

Table A-2
Project Note 2 Analytical Results
Northwest Corner Study Area

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC		UNITS	VAL LEVEL	SBD	SED	LOC ID
HD208EB1BAA	10/08/04	IM40MB	MAGNESIUM	784	*	MG/KG	*	1.5	2	208EB
HD208EB1BAA	10/08/04	IM40MB	MANGANESE	37	*	MG/KG	*	1.5	2	208EB
HD208EB1BAA	10/08/04	IM40MB	MOLYBDENUM	0.45	J*	MG/KG	*	1.5	2	208EB
HD208EB1BAA	10/08/04	IM40MB	NICKEL	4.8	*	MG/KG	*	1.5	2	208EB
HD208EB1BAA	10/08/04	IM40MB	VANADIUM	17.2	*	MG/KG	*	1.5	2	208EB
HD208EB1BAA	10/08/04	IM40MB	ZINC	11.7	*	MG/KG	*	1.5	2	208EB
HD208EB1BAA	10/08/04	6010B_T	BARIUM	60.7	*	UG/L	*	1.5	2	208EB
HD208EB1BAA	10/08/04	6010B_T	CHROMIUM, TOTAL	1.4	J*	UG/L	*	1.5	2	208EB
HD208EB1BAA	10/08/04	6010B_T	LEAD	4.6	*	UG/L	*	1.5	2	208EB
HD208EB1BAA	10/08/04	6010B_T	SELENIUM	4.4	J*	UG/L	*	1.5	2	208EB
HD208EB1BAA	10/08/04	7470A_T	{ND on all 1} analytes				*	1.5	2	208EB
HD208FB1AAA	10/08/04	D2216M	MOISTURE	16	*	PERCENT	*	0	0.5	208FB
HD208FB1AAA	10/08/04	IM40HG	{ND on all 1} analytes				*	0	0.5	208FB
HD208FB1AAA	10/08/04	IM40MB	ALUMINUM	11100	*	MG/KG	*	0	0.5	208FB
HD208FB1AAA	10/08/04	IM40MB	ARSENIC	3.4	*	MG/KG	*	0	0.5	208FB
HD208FB1AAA	10/08/04	IM40MB	BARIUM	6.2	*	MG/KG	*	0	0.5	208FB
HD208FB1AAA	10/08/04	IM40MB	BERYLLIUM	0.15	*	MG/KG	*	0	0.5	208FB
HD208FB1AAA	10/08/04	IM40MB	CADMIUM	0.18	J*	MG/KG	*	0	0.5	208FB
HD208FB1AAA	10/08/04	IM40MB	CHROMIUM, TOTAL	12	*	MG/KG	*	0	0.5	208FB
HD208FB1AAA	10/08/04	IM40MB	COBALT	2.2	*	MG/KG	*	0	0.5	208FB
HD208FB1AAA	10/08/04	IM40MB	COPPER	40	*	MG/KG	*	0	0.5	208FB
HD208FB1AAA	10/08/04	IM40MB	IRON	11500	*	MG/KG	*	0	0.5	208FB
HD208FB1AAA	10/08/04	IM40MB	LEAD	357	*	MG/KG	*	0	0.5	208FB
HD208FB1AAA	10/08/04	IM40MB	MAGNESIUM	1010	*	MG/KG	*	0	0.5	208FB
HD208FB1AAA	10/08/04	IM40MB	MANGANESE	45.6	*	MG/KG	*	0	0.5	208FB
HD208FB1AAA	10/08/04	IM40MB	MOLYBDENUM	0.5	J*	MG/KG	*	0	0.5	208FB
HD208FB1AAA	10/08/04	IM40MB	NICKEL	4.3	*	MG/KG	*	0	0.5	208FB
HD208FB1AAA	10/08/04	IM40MB	VANADIUM	19.6	*	MG/KG	*	0	0.5	208FB
HD208FB1AAA	10/08/04	IM40MB	ZINC	11.3	*	MG/KG	*	0	0.5	208FB
HD208FB1AAA	10/08/04	6010B_T	BARIUM	42.5	*	UG/L	*	0	0.5	208FB
HD208FB1AAA	10/08/04	6010B_T	CHROMIUM, TOTAL	2.9	*	UG/L	*	0	0.5	208FB
HD208FB1AAA	10/08/04	6010B_T	LEAD	2130	*	UG/L	*	0	0.5	208FB
HD208FB1AAA	10/08/04	6010B_T	SELENIUM	4.8	J*	UG/L	*	0	0.5	208FB
HD208FB1AAA	10/08/04	7470A_T	{ND on all 1} analytes				*	0	0.5	208FB
HD208FB1BAA	10/08/04	D2216M	MOISTURE	13	*	PERCENT	*	1.5	2	208FB
HD208FB1BAA	10/08/04	IM40HG	{ND on all 1} analytes				*	1.5	2	208FB
HD208FB1BAA	10/08/04	IM40MB	ALUMINUM	9150	*	MG/KG	*	1.5	2	208FB
HD208FB1BAA	10/08/04	IM40MB	ARSENIC	3.4	*	MG/KG	*	1.5	2	208FB
HD208FB1BAA	10/08/04	IM40MB	BARIUM	11.8	*	MG/KG	*	1.5	2	208FB
HD208FB1BAA	10/08/04	IM40MB	BERYLLIUM	0.25	*	MG/KG	*	1.5	2	208FB
HD208FB1BAA	10/08/04	IM40MB	CHROMIUM, TOTAL	10.1	*	MG/KG	*	1.5	2	208FB
HD208FB1BAA	10/08/04	IM40MB	COBALT	3.4	*	MG/KG	*	1.5	2	208FB
HD208FB1BAA	10/08/04	IM40MB	COPPER	4.2	*	MG/KG	*	1.5	2	208FB
HD208FB1BAA	10/08/04	IM40MB	IRON	10400	*	MG/KG	*	1.5	2	208FB
HD208FB1BAA	10/08/04	IM40MB	LEAD	6.8	*	MG/KG	*	1.5	2	208FB
HD208FB1BAA	10/08/04	IM40MB	MAGNESIUM	1480	*	MG/KG	*	1.5	2	208FB
HD208FB1BAA	10/08/04	IM40MB	MANGANESE	64	*	MG/KG	*	1.5	2	208FB
HD208FB1BAA	10/08/04	IM40MB	NICKEL	5.7	*	MG/KG	*	1.5	2	208FB
HD208FB1BAA	10/08/04	IM40MB	POTASSIUM	640	J*	MG/KG	*	1.5	2	208FB
HD208FB1BAA	10/08/04	IM40MB	VANADIUM	14	*	MG/KG	*	1.5	2	208FB
HD208FB1BAA	10/08/04	IM40MB	ZINC	14.6	*	MG/KG	*	1.5	2	208FB
HD208FB1BAA	10/08/04	6010B_T	BARIUM	149	*	UG/L	*	1.5	2	208FB
HD208FB1BAA	10/08/04	6010B_T	CADMIUM	0.84	J*	UG/L	*	1.5	2	208FB
HD208FB1BAA	10/08/04	6010B_T	CHROMIUM, TOTAL	3.9	*	UG/L	*	1.5	2	208FB
HD208FB1BAA	10/08/04	6010B_T	LEAD	19.6	*	UG/L	*	1.5	2	208FB
HD208FB1BAA	10/08/04	6010B_T	SILVER	1.8	*	UG/L	*	1.5	2	208FB
HD208FB1BAA	10/08/04	7470A_T	{ND on all 1} analytes				*	1.5	2	208FB
HD208GB1AAA	10/08/04	D2216M	MOISTURE	16	*	PERCENT	*	0	0.5	208GB
HD208GB1AAA	10/08/04	IM40HG	{ND on all 1} analytes				*	0	0.5	208GB
HD208GB1AAA	10/08/04	IM40MB	ALUMINUM	13700	*	MG/KG	*	0	0.5	208GB
HD208GB1AAA	10/08/04	IM40MB	ARSENIC	3.7	*	MG/KG	*	0	0.5	208GB
HD208GB1AAA	10/08/04	IM40MB	BARIUM	7.7	*	MG/KG	*	0	0.5	208GB

Table A-2
Project Note 2 Analytical Results
Northwest Corner Study Area

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC		UNITS	VAL LEVEL	SBD	SED	LOC ID
HD208GB1AAA	10/08/04	IM40MB	BERYLLIUM	0.09	J*	MG/KG	*	0	0.5	208GB
HD208GB1AAA	10/08/04	IM40MB	CADMIUM	0.17	J*	MG/KG	*	0	0.5	208GB
HD208GB1AAA	10/08/04	IM40MB	CHROMIUM, TOTAL	13.4	*	MG/KG	*	0	0.5	208GB
HD208GB1AAA	10/08/04	IM40MB	COBALT	2	*	MG/KG	*	0	0.5	208GB
HD208GB1AAA	10/08/04	IM40MB	COPPER	4.1	*	MG/KG	*	0	0.5	208GB
HD208GB1AAA	10/08/04	IM40MB	IRON	13000	*	MG/KG	*	0	0.5	208GB
HD208GB1AAA	10/08/04	IM40MB	LEAD	11.7	*	MG/KG	*	0	0.5	208GB
HD208GB1AAA	10/08/04	IM40MB	MAGNESIUM	862	*	MG/KG	*	0	0.5	208GB
HD208GB1AAA	10/08/04	IM40MB	MANGANESE	34.1	*	MG/KG	*	0	0.5	208GB
HD208GB1AAA	10/08/04	IM40MB	MOLYBDENUM	0.87	J*	MG/KG	*	0	0.5	208GB
HD208GB1AAA	10/08/04	IM40MB	NICKEL	4.5	*	MG/KG	*	0	0.5	208GB
HD208GB1AAA	10/08/04	IM40MB	VANADIUM	19.4	*	MG/KG	*	0	0.5	208GB
HD208GB1AAA	10/08/04	IM40MB	ZINC	10.3	*	MG/KG	*	0	0.5	208GB
HD208GB1AAA	10/08/04	6010B_T	BARIUM	66.1	*	UG/L	*	0	0.5	208GB
HD208GB1AAA	10/08/04	6010B_T	CHROMIUM, TOTAL	0.96	J*	UG/L	*	0	0.5	208GB
HD208GB1AAA	10/08/04	6010B_T	LEAD	18.6	*	UG/L	*	0	0.5	208GB
HD208GB1AAA	10/08/04	7470A_T	{ND on all 1} analytes				*	0	0.5	208GB
HD208GB1BAA	10/08/04	D2216M	MOISTURE	13	*	PERCENT	*	1.5	2	208GB
HD208GB1BAA	10/08/04	IM40HG	{ND on all 1} analytes				*	1.5	2	208GB
HD208GB1BAA	10/08/04	IM40MB	ALUMINUM	9010	*	MG/KG	*	1.5	2	208GB
HD208GB1BAA	10/08/04	IM40MB	ARSENIC	3	*	MG/KG	*	1.5	2	208GB
HD208GB1BAA	10/08/04	IM40MB	BARIUM	10.8	*	MG/KG	*	1.5	2	208GB
HD208GB1BAA	10/08/04	IM40MB	BERYLLIUM	0.18	*	MG/KG	*	1.5	2	208GB
HD208GB1BAA	10/08/04	IM40MB	CHROMIUM, TOTAL	10	*	MG/KG	*	1.5	2	208GB
HD208GB1BAA	10/08/04	IM40MB	COBALT	3	*	MG/KG	*	1.5	2	208GB
HD208GB1BAA	10/08/04	IM40MB	COPPER	3.5	*	MG/KG	*	1.5	2	208GB
HD208GB1BAA	10/08/04	IM40MB	IRON	9700	*	MG/KG	*	1.5	2	208GB
HD208GB1BAA	10/08/04	IM40MB	LEAD	5.2	*	MG/KG	*	1.5	2	208GB
HD208GB1BAA	10/08/04	IM40MB	MAGNESIUM	1260	*	MG/KG	*	1.5	2	208GB
HD208GB1BAA	10/08/04	IM40MB	MANGANESE	54.2	*	MG/KG	*	1.5	2	208GB
HD208GB1BAA	10/08/04	IM40MB	NICKEL	5.3	*	MG/KG	*	1.5	2	208GB
HD208GB1BAA	10/08/04	IM40MB	POTASSIUM	648	J*	MG/KG	*	1.5	2	208GB
HD208GB1BAA	10/08/04	IM40MB	VANADIUM	13.1	*	MG/KG	*	1.5	2	208GB
HD208GB1BAA	10/08/04	IM40MB	ZINC	11.1	*	MG/KG	*	1.5	2	208GB
HD208GB1BAA	10/08/04	6010B_T	BARIUM	134	*	UG/L	*	1.5	2	208GB
HD208GB1BAA	10/08/04	6010B_T	LEAD	4.9	*	UG/L	*	1.5	2	208GB
HD208GB1BAA	10/08/04	6010B_T	SELENIUM	7.4	J*	UG/L	*	1.5	2	208GB
HD208GB1BAA	10/08/04	7470A_T	{ND on all 1} analytes				*	1.5	2	208GB
HD208HB1AAA	10/08/04	D2216M	MOISTURE	19	*	PERCENT	*	0	0.5	208HB
HD208HB1AAA	10/08/04	IM40HG	{ND on all 1} analytes				*	0	0.5	208HB
HD208HB1AAA	10/08/04	IM40MB	ALUMINUM	5890	*	MG/KG	*	0	0.5	208HB
HD208HB1AAA	10/08/04	IM40MB	ARSENIC	5.1	*	MG/KG	*	0	0.5	208HB
HD208HB1AAA	10/08/04	IM40MB	BARIUM	4.8	J*	MG/KG	*	0	0.5	208HB
HD208HB1AAA	10/08/04	IM40MB	CADMIUM	0.18	J*	MG/KG	*	0	0.5	208HB
HD208HB1AAA	10/08/04	IM40MB	CHROMIUM, TOTAL	6.6	*	MG/KG	*	0	0.5	208HB
HD208HB1AAA	10/08/04	IM40MB	COBALT	1	J*	MG/KG	*	0	0.5	208HB
HD208HB1AAA	10/08/04	IM40MB	COPPER	19.1	*	MG/KG	*	0	0.5	208HB
HD208HB1AAA	10/08/04	IM40MB	IRON	11200	*	MG/KG	*	0	0.5	208HB
HD208HB1AAA	10/08/04	IM40MB	LEAD	15.9	*	MG/KG	*	0	0.5	208HB
HD208HB1AAA	10/08/04	IM40MB	MAGNESIUM	279	*	MG/KG	*	0	0.5	208HB
HD208HB1AAA	10/08/04	IM40MB	MANGANESE	16.6	*	MG/KG	*	0	0.5	208HB
HD208HB1AAA	10/08/04	IM40MB	MOLYBDENUM	0.71	J*	MG/KG	*	0	0.5	208HB
HD208HB1AAA	10/08/04	IM40MB	NICKEL	1.8	*	MG/KG	*	0	0.5	208HB
HD208HB1AAA	10/08/04	IM40MB	VANADIUM	20.3	*	MG/KG	*	0	0.5	208HB
HD208HB1AAA	10/08/04	IM40MB	ZINC	5.7	*	MG/KG	*	0	0.5	208HB
HD208HB1AAA	10/08/04	6010B_T	BARIUM	47	*	UG/L	*	0	0.5	208HB
HD208HB1AAA	10/08/04	6010B_T	CHROMIUM, TOTAL	2.4	*	UG/L	*	0	0.5	208HB
HD208HB1AAA	10/08/04	6010B_T	LEAD	16.9	*	UG/L	*	0	0.5	208HB
HD208HB1AAA	10/08/04	7470A_T	{ND on all 1} analytes				*	0	0.5	208HB
HD208HB1BAA	10/08/04	D2216M	MOISTURE	17	*	PERCENT	*	1.5	2	208HB
HD208HB1BAA	10/08/04	IM40HG	{ND on all 1} analytes				*	1.5	2	208HB
HD208HB1BAA	10/08/04	IM40MB	ALUMINUM	8930	*	MG/KG	*	1.5	2	208HB

Table A-2
Project Note 2 Analytical Results
Northwest Corner Study Area

AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC		UNITS	VAL LEVEL	SBD	SED	LOC ID
HD208HB1BAA	10/08/04	IM40MB	ARSENIC	3.9	*	MG/KG	*	1.5	2	208HB
HD208HB1BAA	10/08/04	IM40MB	BARIUM	6.7	*	MG/KG	*	1.5	2	208HB
HD208HB1BAA	10/08/04	IM40MB	BERYLLIUM	0.08	J*	MG/KG	*	1.5	2	208HB
HD208HB1BAA	10/08/04	IM40MB	CADMIUM	0.14	J*	MG/KG	*	1.5	2	208HB
HD208HB1BAA	10/08/04	IM40MB	CALCIUM	89.4	J*	MG/KG	*	1.5	2	208HB
HD208HB1BAA	10/08/04	IM40MB	CHROMIUM, TOTAL	9	*	MG/KG	*	1.5	2	208HB
HD208HB1BAA	10/08/04	IM40MB	COBALT	1.7	*	MG/KG	*	1.5	2	208HB
HD208HB1BAA	10/08/04	IM40MB	COPPER	3.9	*	MG/KG	*	1.5	2	208HB
HD208HB1BAA	10/08/04	IM40MB	IRON	9840	*	MG/KG	*	1.5	2	208HB
HD208HB1BAA	10/08/04	IM40MB	LEAD	12.5	*	MG/KG	*	1.5	2	208HB
HD208HB1BAA	10/08/04	IM40MB	MAGNESIUM	643	*	MG/KG	*	1.5	2	208HB
HD208HB1BAA	10/08/04	IM40MB	MANGANESE	32.7	*	MG/KG	*	1.5	2	208HB
HD208HB1BAA	10/08/04	IM40MB	MOLYBDENUM	0.87	J*	MG/KG	*	1.5	2	208HB
HD208HB1BAA	10/08/04	IM40MB	NICKEL	3.7	*	MG/KG	*	1.5	2	208HB
HD208HB1BAA	10/08/04	IM40MB	VANADIUM	17.6	*	MG/KG	*	1.5	2	208HB
HD208HB1BAA	10/08/04	IM40MB	ZINC	10.3	*	MG/KG	*	1.5	2	208HB
HD208HB1BAA	10/08/04	6010B_T	BARIUM	57.3	*	UG/L	*	1.5	2	208HB
HD208HB1BAA	10/08/04	6010B_T	CADMIUM	0.62	J*	UG/L	*	1.5	2	208HB
HD208HB1BAA	10/08/04	6010B_T	CHROMIUM, TOTAL	4	*	UG/L	*	1.5	2	208HB
HD208HB1BAA	10/08/04	6010B_T	LEAD	9.3	*	UG/L	*	1.5	2	208HB
HD208HB1BAA	10/08/04	6010B_T	SELENIUM	7.3	J*	UG/L	*	1.5	2	208HB
HD208HB1BAA	10/08/04	6010B_T	SILVER	1.5	J*	UG/L	*	1.5	2	208HB
HD208HB1BAA	10/08/04	7470A_T	{ND on all 1} analytes				*	1.5	2	208HB

Notes:
J = Estimated concentration
* = Unvalidated data
SBD = Sample begin depth
SED = Sample end depth
CONC = Concentration
VAL = Validation; II - Tier 2; 3 - Tier 3.

Table A-3

Groundwater Analytical Detections (MW-65 and MW-66)
Gun and Mortar Postions

WELL ID	AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	Units	SBD	SED	BWTE	BWTS	MCL/HA	Excd
MW-65	W65SSA	10/26/99	300.0	CHLORIDE (AS CL)	9.4	MG/L	116	126	10	0		
MW-65	W65SSA	10/26/99	300.0	SULFATE (AS SO4)	5	MG/L	116	126	10	0		
MW-65	W65SSA	10/26/99	310.1	ALKALINITY, BICARBONATE (AS CACO3)	3	MG/L	116	126	10	0		
MW-65	W65SSA	10/26/99	310.1	ALKALINITY, TOTAL (AS CACO3)	3	MG/L	116	126	10	0		
MW-65	W65SSA	10/26/99	350.2M	{ND on all 1} analytes			116	126	10	0		
MW-65	W65SSA	10/26/99	353.2M	NITRATE/NITRITE (AS N)	0.1	MG/L	116	126	10	0	10	
MW-65	W65SSA	10/26/99	365.2	{ND on all 1} analytes			116	126	10	0		
MW-65	W65SSA	10/26/99	504	{ND on all 1} analytes			116	126	10	0		
MW-65	W65SSA	10/26/99	8021W	{ND on all 1} analytes			116	126	10	0		
MW-65	W65SSA	10/26/99	8151	2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	0.12 J	UG/L	116	126	10	0	70	
MW-65	W65SSA	10/26/99	8330N	{ND on all 19} analytes			116	126	10	0		
MW-65	W65SSA	10/26/99	CYAN	{ND on all 1} analytes			116	126	10	0		
MW-65	W65SSA	10/26/99	IM40HD	{ND on all 1} analytes			116	126	10	0		
MW-65	W65SSA	10/26/99	IM40HG	MERCURY	0.15 J	UG/L	116	126	10	0	2	
MW-65	W65SSA	10/26/99	IM40MB	BORON	8.4	UG/L	116	126	10	0	600	
MW-65	W65SSA	10/26/99	IM40MB	CALCIUM	1500	UG/L	116	126	10	0		
MW-65	W65SSA	10/26/99	IM40MB	IRON	56.2 J	UG/L	116	126	10	0		
MW-65	W65SSA	10/26/99	IM40MB	MAGNESIUM	1220	UG/L	116	126	10	0		
MW-65	W65SSA	10/26/99	IM40MB	MANGANESE	78.1	UG/L	116	126	10	0		
MW-65	W65SSA	10/26/99	IM40MB	POTASSIUM	673	UG/L	116	126	10	0		
MW-65	W65SSA	10/26/99	IM40MB	SODIUM	5820	UG/L	116	126	10	0	20000	
MW-65	W65SSA	10/26/99	IM40MB	ZINC	2.7 J	UG/L	116	126	10	0	2000	
MW-65	W65SSA	10/26/99	OC21B	{ND on all 64} analytes			116	126	10	0		
MW-65	W65SSA	10/26/99	OC21V	CHLOROFORM	1	UG/L	116	126	10	0	80	
MW-65	W65SSA	10/26/99	OL21P	{ND on all 28} analytes			116	126	10	0		
MW-65	W65SSA	10/26/99	TOC	{ND on all 1} analytes			116	126	10	0		
MW-65	W65SSA	02/10/00	300.0	CHLORIDE (AS CL)	9.4	MG/L	116	126	10	0		
MW-65	W65SSA	02/10/00	300.0	SULFATE (AS SO4)	5.4	MG/L	116	126	10	0		
MW-65	W65SSA	02/10/00	310.1	ALKALINITY, BICARBONATE (AS CACO3)	4	MG/L	116	126	10	0		
MW-65	W65SSA	02/10/00	310.1	ALKALINITY, TOTAL (AS CACO3)	4	MG/L	116	126	10	0		
MW-65	W65SSA	02/10/00	350.2M	NITROGEN, AMMONIA (AS N)	0.03	MG/L	116	126	10	0	30	
MW-65	W65SSA	02/10/00	353.2M	NITRATE/NITRITE (AS N)	0.04	MG/L	116	126	10	0	10	
MW-65	W65SSA	02/10/00	365.2	{ND on all 1} analytes			116	126	10	0		
MW-65	W65SSA	02/10/00	504	{ND on all 1} analytes			116	126	10	0		
MW-65	W65SSA	02/10/00	8021W	{ND on all 1} analytes			116	126	10	0		
MW-65	W65SSA	02/10/00	8151	{ND on all 18} analytes			116	126	10	0		
MW-65	W65SSA	02/10/00	8330N	{ND on all 19} analytes			116	126	10	0		
MW-65	W65SSA	02/10/00	CYAN	{ND on all 1} analytes			116	126	10	0		
MW-65	W65SSA	02/10/00	IM40HD	{ND on all 1} analytes			116	126	10	0		
MW-65	W65SSA	02/10/00	IM40HG	{ND on all 1} analytes			116	126	10	0		

Table A-3

Groundwater Analytical Detections (MW-65 and MW-66)
Gun and Mortar Postions

WELL ID	AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	Units	SBD	SED	BWTE	BWTS	MCL/HA	Excd
MW-65	W65SSA	02/10/00	IM40MB	ANTIMONY	2.7 J	UG/L	116	126	10	0	6	
MW-65	W65SSA	02/10/00	IM40MB	BORON	7	UG/L	116	126	10	0	600	
MW-65	W65SSA	02/10/00	IM40MB	CALCIUM	1490	UG/L	116	126	10	0		
MW-65	W65SSA	02/10/00	IM40MB	MAGNESIUM	1380	UG/L	116	126	10	0		
MW-65	W65SSA	02/10/00	IM40MB	MANGANESE	4.9	UG/L	116	126	10	0		
MW-65	W65SSA	02/10/00	IM40MB	SODIUM	5570	UG/L	116	126	10	0	20000	
MW-65	W65SSA	02/10/00	OC21B	{ND on all 64} analytes			116	126	10	0		
MW-65	W65SSA	02/10/00	OC21V	CHLOROFORM	1	UG/L	116	126	10	0	80	
MW-65	W65SSA	02/10/00	OL21P	{ND on all 28} analytes			116	126	10	0		
MW-65	W65SSA	02/10/00	TOC	{ND on all 1} analytes			116	126	10	0		
MW-65	W65SSA	04/27/00	300.0	CHLORIDE (AS CL)	9.9	MG/L	116	126	10	0		
MW-65	W65SSA	04/27/00	300.0	SULFATE (AS SO4)	4.9	MG/L	116	126	10	0		
MW-65	W65SSA	04/27/00	310.1	ALKALINITY, BICARBONATE (AS CACO3)	4	MG/L	116	126	10	0		
MW-65	W65SSA	04/27/00	310.1	ALKALINITY, TOTAL (AS CACO3)	4	MG/L	116	126	10	0		
MW-65	W65SSA	04/27/00	350.2M	{ND on all 1} analytes			116	126	10	0		
MW-65	W65SSA	04/27/00	353.2M	NITRATE/NITRITE (AS N)	0.15	MG/L	116	126	10	0	10	
MW-65	W65SSA	04/27/00	365.2	{ND on all 1} analytes			116	126	10	0		
MW-65	W65SSA	04/27/00	504	{ND on all 1} analytes			116	126	10	0		
MW-65	W65SSA	04/27/00	8021W	{ND on all 1} analytes			116	126	10	0		
MW-65	W65SSA	04/27/00	8151	CHLORAMBEN	0.14 NJ	UG/L	116	126	10	0	100	
MW-65	W65SSA	04/27/00	8330N	{ND on all 19} analytes			116	126	10	0		
MW-65	W65SSA	04/27/00	CYAN	{ND on all 1} analytes			116	126	10	0		
MW-65	W65SSA	04/27/00	IM40HD	{ND on all 1} analytes			116	126	10	0		
MW-65	W65SSA	04/27/00	IM40HG	{ND on all 1} analytes			116	126	10	0		
MW-65	W65SSA	04/27/00	IM40MB	BORON	8	UG/L	116	126	10	0	600	
MW-65	W65SSA	04/27/00	IM40MB	CALCIUM	1580	UG/L	116	126	10	0		
MW-65	W65SSA	04/27/00	IM40MB	LEAD	4.3 J	UG/L	116	126	10	0	15	
MW-65	W65SSA	04/27/00	IM40MB	MAGNESIUM	1320	UG/L	116	126	10	0		
MW-65	W65SSA	04/27/00	IM40MB	MANGANESE	4.2	UG/L	116	126	10	0		
MW-65	W65SSA	04/27/00	IM40MB	POTASSIUM	592 J	UG/L	116	126	10	0		
MW-65	W65SSA	04/27/00	IM40MB	SODIUM	5930	UG/L	116	126	10	0	20000	
MW-65	W65SSA	04/27/00	OC21B	{ND on all 64} analytes			116	126	10	0		
MW-65	W65SSA	04/27/00	OC21V	CHLOROFORM	1	UG/L	116	126	10	0	80	
MW-65	W65SSA	04/27/00	OL21P	{ND on all 28} analytes			116	126	10	0		
MW-65	W65SSA	04/27/00	TOC	{ND on all 1} analytes			116	126	10	0		
MW-65	W65SSA	08/31/00	300.0	CHLORIDE (AS CL)	7.2	MG/L	116	126	10	0		
MW-65	W65SSA	08/31/00	300.0	SULFATE (AS SO4)	4.4	MG/L	116	126	10	0		
MW-65	W65SSA	08/31/00	310.1	{ND on all 4} analytes			116	126	10	0		
MW-65	W65SSA	08/31/00	350.2M	NITROGEN, AMMONIA (AS N)	0.11 J	MG/L	116	126	10	0	30	

Table A-3

Groundwater Analytical Detections (MW-65 and MW-66)
Gun and Mortar Postions

WELL ID	AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	Units	SBD	SED	BWTE	BWTS	MCL/HA	Excd
MW-65	W65SSA	08/31/00	353.2M	NITRATE/NITRITE (AS N)	0.04	MG/L	116	126	10	0	10	
MW-65	W65SSA	08/31/00	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS	0.01	MG/L	116	126	10	0		
MW-65	W65SSA	08/31/00	504	{ND on all 1} analytes			116	126	10	0		
MW-65	W65SSA	08/31/00	8021W	{ND on all 1} analytes			116	126	10	0		
MW-65	W65SSA	08/31/00	8151	{ND on all 18} analytes			116	126	10	0		
MW-65	W65SSA	08/31/00	8330N	{ND on all 19} analytes			116	126	10	0		
MW-65	W65SSA	08/31/00	CYAN	{ND on all 1} analytes			116	126	10	0		
MW-65	W65SSA	08/31/00	E314.0	{ND on all 1} analytes			116	126	10	0		
MW-65	W65SSA	08/31/00	IM40HD	{ND on all 1} analytes			116	126	10	0		
MW-65	W65SSA	08/31/00	IM40HG	{ND on all 1} analytes			116	126	10	0		
MW-65	W65SSA	08/31/00	IM40MB	CALCIUM	1400	UG/L	116	126	10	0		
MW-65	W65SSA	08/31/00	IM40MB	MAGNESIUM	1150	UG/L	116	126	10	0		
MW-65	W65SSA	08/31/00	IM40MB	MANGANESE	4	UG/L	116	126	10	0		
MW-65	W65SSA	08/31/00	IM40MB	SODIUM	4850	UG/L	116	126	10	0	20000	
MW-65	W65SSA	08/31/00	IM40MB	ZINC	1.7	UG/L	116	126	10	0	2000	
MW-65	W65SSA	08/31/00	OC21V	CHLOROFORM	0.7 J	UG/L	116	126	10	0	80	
MW-65	W65SSA	08/31/00	OL21P	{ND on all 28} analytes			116	126	10	0		
MW-65	W65SSA	08/31/00	SW8270	{ND on all 77} analytes			116	126	10	0		
MW-65	W65SSA	08/31/00	TOC	{ND on all 1} analytes			116	126	10	0		
MW-65	W65SSA	12/19/00	SW8270	1,2-DICHLOROBENZENE-D4	51	UG/L	116	126	11	1		
MW-65	W65SSA	12/19/00	SW8270	2,4,6-TRIBROMOPHENOL	63	UG/L	116	126	11	1		
MW-65	W65SSA	12/19/00	SW8270	2-CHLOROPHENOL-D4	82	UG/L	116	126	11	1		
MW-65	W65SSA	12/19/00	SW8270	2-FLUOROBIPHENYL	77	UG/L	116	126	11	1		
MW-65	W65SSA	12/19/00	SW8270	2-FLUOROPHENOL	42	UG/L	116	126	11	1		
MW-65	W65SSA	12/19/00	SW8270	BUTYLATED HYDROXYTOLUENE	3.5 NJ	UG/L	116	126	11	1		
MW-65	W65SSA	12/19/00	SW8270	NITROBENZENE-D5	82	UG/L	116	126	11	1		
MW-65	W65SSA	12/19/00	SW8270	PHENOL-D5	27	UG/L	116	126	11	1		
MW-65	W65SSA	12/19/00	SW8270	TERPHENYL-D14	99	UG/L	116	126	11	1		
MW-65	W65SSA	05/15/01	SW8270	1,2-DICHLOROBENZENE-D4	78	UG/L	116	126	11	1		
MW-65	W65SSA	05/15/01	SW8270	2-CHLOROPHENOL-D4	98	UG/L	116	126	11	1		
MW-65	W65SSA	05/15/01	SW8270	2-FLUOROBIPHENYL	96	UG/L	116	126	11	1		
MW-65	W65SSA	05/15/01	SW8270	2-FLUOROPHENOL	73	UG/L	116	126	11	1		
MW-65	W65SSA	05/15/01	SW8270	BUTYLATED HYDROXYTOLUENE	2.1 NJ	UG/L	116	126	11	1		
MW-65	W65SSA	05/15/01	SW8270	NITROBENZENE-D5	98	UG/L	116	126	11	1		
MW-65	W65SSA	05/15/01	SW8270	PHENOL-D5	52	UG/L	116	126	11	1		
MW-65	W65SSA	05/15/01	SW8270	TERPHENYL-D14	115	UG/L	116	126	11	1		
MW-65	W65SSA	08/14/01	ILSBTL	{ND on all 2} analytes			116	126	11	1		
MW-65	W65SSA	08/14/01	IM40HD	{ND on all 1} analytes			116	126	11	1		

Table A-3

Groundwater Analytical Detections (MW-65 and MW-66)
Gun and Mortar Postions

WELL ID	AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	Units	SBD	SED	BWTE	BWTS	MCL/HA	Excd
MW-65	W65SSA	08/14/01	IM40MB	BARIUM	5.8	UG/L	116	126	11	1	2000	
MW-65	W65SSA	08/14/01	IM40MB	BORON	6.4	UG/L	116	126	11	1	600	
MW-65	W65SSA	08/14/01	IM40MB	CALCIUM	1780	UG/L	116	126	11	1		
MW-65	W65SSA	08/14/01	IM40MB	MAGNESIUM	1400	UG/L	116	126	11	1		
MW-65	W65SSA	08/14/01	IM40MB	MANGANESE	4.4	UG/L	116	126	11	1		
MW-65	W65SSA	08/14/01	IM40MB	POTASSIUM	586	UG/L	116	126	11	1		
MW-65	W65SSA	08/14/01	IM40MB	SODIUM	4230	UG/L	116	126	11	1	20000	
MW-65	W65SSA	08/14/01	IM40MB	ZINC	4.2 J	UG/L	116	126	11	1	2000	
MW-65	W65SSA	08/14/01	IM40HG	{ND on all 1} analytes			116	126	11	1		
MW-65	W65SSA	08/14/01	8151	{ND on all 18} analytes			116	126	11	1		
MW-65	W65SSA	08/14/01	OC21V	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUO	94	UG/L	116	126	11	1		
MW-65	W65SSA	08/14/01	OC21V	CHLOROFORM	0.3 J	UG/L	116	126	11	1	80	
MW-65	W65SSA	08/14/01	OL21P	DCB	92	UG/L	116	126	11	1		
MW-65	W65SSA	08/14/01	OL21P	TCX	70	UG/L	116	126	11	1		
MW-65	W65SSA	08/14/01	8330N	{ND on all 19} analytes			116	126	11	1		
MW-65	W65SSA	08/14/01	SW8270	1,2-DICHLOROBENZENE-D4	48	UG/L	116	126	11	1		
MW-65	W65SSA	08/14/01	SW8270	2-FLUOROPHENOL	34	UG/L	116	126	11	1		
MW-65	W65SSA	08/14/01	SW8270	2,4,6-TRIBROMOPHENOL	52	UG/L	116	126	11	1		
MW-65	W65SSA	08/14/01	SW8270	2-CHLOROPHENOL-D4	51	UG/L	116	126	11	1		
MW-65	W65SSA	08/14/01	SW8270	2-FLUOROBIPHENYL	52	UG/L	116	126	11	1		
MW-65	W65SSA	08/14/01	SW8270	BUTYLATED HYDROXYTOLUENE	1.6 NJ	UG/L	116	126	11	1		
MW-65	W65SSA	08/14/01	SW8270	NITROBENZENE-D5	52	UG/L	116	126	11	1		
MW-65	W65SSA	08/14/01	SW8270	PHENOL-D5	25	UG/L	116	126	11	1		
MW-65	W65SSA	08/14/01	SW8270	TERPHENYL-D14	58	UG/L	116	126	11	1		
MW-65	W65SSA	12/10/01	SW8270	1,2-DICHLOROBENZENE-D4	73	UG/L	116	126	11	1		
MW-65	W65SSA	12/10/01	SW8270	2,4,6-TRIBROMOPHENOL	101	UG/L	116	126	11	1		
MW-65	W65SSA	12/10/01	SW8270	2-FLUOROBIPHENYL	47	UG/L	116	126	11	1		
MW-65	W65SSA	12/10/01	SW8270	2-FLUOROPHENOL	58	UG/L	116	126	11	1		
MW-65	W65SSA	12/10/01	SW8270	BUTYLATED HYDROXYTOLUENE	6.4 NJ	UG/L	116	126	11	1		
MW-65	W65SSA	12/10/01	SW8270	NITROBENZENE-D5	89	UG/L	116	126	11	1		
MW-65	W65SSA	12/10/01	SW8270	PHENOL-D5	44	UG/L	116	126	11	1		
MW-65	W65SSA	12/10/01	SW8270	TERPHENYL-D14	118	UG/L	116	126	11	1		
MW-65	W65SSA	08/14/01	8330N	{ND on all 19} analytes			116	126	11	1		
MW-65	W65SSA	08/14/01	E314.0	{ND on all 1} analytes			116	126	11	1		
MW-65	W65SSA	09/25/03	IM40HD	{ND on all 1} analytes			116	126	11	1		
MW-65	W65SSA	09/25/03	IM40MB	CALCIUM	1630	UG/L	116	126	11	1		
MW-65	W65SSA	09/25/03	IM40MB	MAGNESIUM	1230	UG/L	116	126	11	1		
MW-65	W65SSA	09/25/03	IM40MB	MANGANESE	1.4 J	UG/L	116	126	11	1		

Table A-3

Groundwater Analytical Detections (MW-65 and MW-66)
Gun and Mortar Postions

WELL ID	AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	Units	SBD	SED	BWTE	BWTS	MCL/HA	Excd
MW-65	W65SSA	09/25/03	IM40MB	SODIUM	3780 J	UG/L	116	126	11	1	20000	
MW-65	W65SSA	09/25/03	IM40HG	{ND on all 1} analytes			116	126	11	1		
MW-65	W65SSA	09/25/03	6020SB	{ND on all 2} analytes			116	126	11	1		
MW-65	W65SSA	09/25/03	8151	DCAA	42	UG/L	116	126	11	1		
MW-65	W65SSA	09/25/03	OC21V	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUO	92	UG/L	116	126	11	1		
MW-65	W65SSA	09/25/03	OC21V	CHLOROFORM	0.4 J	UG/L	116	126	11	1	80	
MW-65	W65SSA	09/25/03	8330N	{ND on all 19} analytes			116	126	11	1		
MW-65	W65SSA	09/25/03	SW8270	1,2-DICHLOROBENZENE-D4	68	UG/L	116	126	11	1		
MW-65	W65SSA	09/25/03	SW8270	2,4,6-TRIBROMOPHENOL	76	UG/L	116	126	11	1		
MW-65	W65SSA	09/25/03	SW8270	2-CHLOROPHENOL-D4	75	UG/L	116	126	11	1		
MW-65	W65SSA	09/25/03	SW8270	2-FLUOROBIPHENYL	80	UG/L	116	126	11	1		
MW-65	W65SSA	09/25/03	SW8270	2-FLUOROPHENOL	44	UG/L	116	126	11	1		
MW-65	W65SSA	09/25/03	SW8270	BUTYLATED HYDROXYTOLUENE	3 NJ	UG/L	116	126	11	1		
MW-65	W65SSA	09/25/03	SW8270	NITROBENZENE-D5	91	UG/L	116	126	11	1		
MW-65	W65SSA	09/25/03	SW8270	PHENOL-D5	28	UG/L	116	126	11	1		
MW-65	W65SSA	09/25/03	SW8270	TERPHENYL-D14	93	UG/L	116	126	11	1		
MW-65	W65SSA	09/25/03	E314.0	PERCHLORATE	1 J	UG/L	116	126	11	1		
MW-65	W65SSA	08/20/04	IM40HD	{ND on all 1} analytes			116	126	11	1		
MW-65	W65SSA	08/20/04	IM40MBM	BARIUM	5.2 J	UG/L	116	126	11	1	2000	
MW-65	W65SSA	08/20/04	IM40MBM	CALCIUM	1640	UG/L	116	126	11	1		
MW-65	W65SSA	08/20/04	IM40MBM	MAGNESIUM	1180	UG/L	116	126	11	1		
MW-65	W65SSA	08/20/04	IM40MBM	POTASSIUM	436 J	UG/L	116	126	11	1		
MW-65	W65SSA	08/20/04	IM40MBM	SODIUM	4760	UG/L	116	126	11	1	20000	
MW-65	W65SSA	08/20/04	IM40MBM	ZINC	9.2	UG/L	116	126	11	1	2000	
MW-65	W65SSA	08/20/04	IM40HG	{ND on all 1} analytes			116	126	11	1		
MW-65	W65SSA	08/20/04	6020SB	{ND on all 2} analytes			116	126	11	1		
MW-65	W65SSA	08/20/04	OC21VM	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUO	5	UG/L	116	126	11	1		
MW-65	W65SSA	08/20/04	OC21VM	CHLOROFORM	0.5 J	UG/L	116	126	11	1	80	
MW-65	W65SSA	08/20/04	8330N	{ND on all 19} analytes			116	126	11	1		
MW-65	W65SSA	08/20/04	SW8270	1,2-DICHLOROBENZENE-D4	20	UG/L	116	126	11	1		
MW-65	W65SSA	08/20/04	SW8270	2,4,6-TRIBROMOPHENOL	32	UG/L	116	126	11	1		
MW-65	W65SSA	08/20/04	SW8270	2-CHLOROPHENOL-D4	30	UG/L	116	126	11	1		
MW-65	W65SSA	08/20/04	SW8270	2-FLUOROBIPHENYL	21	UG/L	116	126	11	1		
MW-65	W65SSA	08/20/04	SW8270	2-FLUOROPHENOL	19	UG/L	116	126	11	1		
MW-65	W65SSA	08/20/04	SW8270	BUTYLATED HYDROXYTOLUENE	6.3 NJ	UG/L	116	126	11	1		
MW-65	W65SSA	08/20/04	SW8270	NITROBENZENE-D5	20	UG/L	116	126	11	1		
MW-65	W65SSA	08/20/04	SW8270	PHENOL-D5	13	UG/L	116	126	11	1		
MW-65	W65SSA	08/20/04	SW8270	TERPHENYL-D14	27	UG/L	116	126	11	1		
MW-65	W65SSA	08/20/04	E314.0	PERCHLORATE	0.83 J	UG/L	116	126	11	1		

Table A-3

Groundwater Analytical Detections (MW-65 and MW-66)
Gun and Mortar Postions

WELL ID	AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	Units	SBD	SED	BWTE	BWTS	MCL/HA	Excd
MW-65	W65SSA	05/10/04	E314.0	PERCHLORATE	0.8 J	UG/L	116	126	11	1		
MW-65	W65SSA	03/22/05	E314.0	PERCHLORATE	1	UG/L	116	126	11	1		
MW-65	W65SSA	05/20/05	E314.0	PERCHLORATE	0.91 J	UG/L	116	126	11	1		
MW-65	W65M2A	10/28/99	300.0	CHLORIDE (AS CL)	10.1	MG/L	130	135	13	8		
MW-65	W65M2A	10/28/99	300.0	SULFATE (AS SO4)	4.6	MG/L	130	135	13	8		
MW-65	W65M2A	10/28/99	310.1	ALKALINITY, BICARBONATE (AS CACO3)	4	MG/L	130	135	13	8		
MW-65	W65M2A	10/28/99	310.1	ALKALINITY, TOTAL (AS CACO3)	4	MG/L	130	135	13	8		
MW-65	W65M2A	10/28/99	350.2M	NITROGEN, AMMONIA (AS N)	0.04 J	MG/L	130	135	13	8	30	
MW-65	W65M2A	10/28/99	353.2M	NITRATE/NITRITE (AS N)	0.03	MG/L	130	135	13	8	10	
MW-65	W65M2A	10/28/99	365.2	{ND on all 1} analytes			130	135	13	8		
MW-65	W65M2A	10/28/99	504	{ND on all 1} analytes			130	135	13	8		
MW-65	W65M2A	10/28/99	8021W	{ND on all 1} analytes			130	135	13	8		
MW-65	W65M2A	10/28/99	8151	{ND on all 18} analytes			130	135	13	8		
MW-65	W65M2A	10/28/99	8330N	{ND on all 19} analytes			130	135	13	8		
MW-65	W65M2A	10/28/99	CYAN	{ND on all 1} analytes			130	135	13	8		
MW-65	W65M2A	10/28/99	IM40HD	{ND on all 1} analytes			130	135	13	8		
MW-65	W65M2A	10/28/99	IM40HG	{ND on all 1} analytes			130	135	13	8		
MW-65	W65M2A	10/28/99	IM40MB	BORON	7	UG/L	130	135	13	8	600	
MW-65	W65M2A	10/28/99	IM40MB	CALCIUM	1700	UG/L	130	135	13	8		
MW-65	W65M2A	10/28/99	IM40MB	MAGNESIUM	1320	UG/L	130	135	13	8		
MW-65	W65M2A	10/28/99	IM40MB	MANGANESE	13.4	UG/L	130	135	13	8		
MW-65	W65M2A	10/28/99	IM40MB	POTASSIUM	556	UG/L	130	135	13	8		
MW-65	W65M2A	10/28/99	IM40MB	SODIUM	6160	UG/L	130	135	13	8	20000	
MW-65	W65M2A	10/28/99	IM40MB	ZINC	2.3 J	UG/L	130	135	13	8	2000	
MW-65	W65M2A	10/28/99	OC21B	{ND on all 64} analytes			130	135	13	8		
MW-65	W65M2A	10/28/99	OC21V	CHLOROFORM	1	UG/L	130	135	13	8	80	
MW-65	W65M2A	10/28/99	OL21P	{ND on all 28} analytes			130	135	13	8		
MW-65	W65M2A	10/28/99	TOC	{ND on all 1} analytes			130	135	13	8		
MW-65	W65M2A	02/11/00	300.0	CHLORIDE (AS CL)	10.6	MG/L	130	135	13	8		
MW-65	W65M2A	02/11/00	300.0	SULFATE (AS SO4)	5	MG/L	130	135	13	8		
MW-65	W65M2A	02/11/00	310.1	ALKALINITY, BICARBONATE (AS CACO3)	4	MG/L	130	135	13	8		
MW-65	W65M2A	02/11/00	310.1	ALKALINITY, TOTAL (AS CACO3)	4	MG/L	130	135	13	8		
MW-65	W65M2A	02/11/00	350.2M	NITROGEN, AMMONIA (AS N)	0.03 J	MG/L	130	135	13	8	30	
MW-65	W65M2A	02/11/00	353.2M	{ND on all 1} analytes			130	135	13	8		
MW-65	W65M2A	02/11/00	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS	0.02	MG/L	130	135	13	8		
MW-65	W65M2A	02/11/00	504	{ND on all 1} analytes			130	135	13	8		
MW-65	W65M2A	02/11/00	8021W	{ND on all 1} analytes			130	135	13	8		

Table A-3

Groundwater Analytical Detections (MW-65 and MW-66)
Gun and Mortar Postions

WELL ID	AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	Units	SBD	SED	BWTE	BWTS	MCL/HA	Excd
MW-65	W65M2A	02/11/00	8151	{ND on all 18} analytes			130	135	13	8		
MW-65	W65M2A	02/11/00	8330N	{ND on all 19} analytes			130	135	13	8		
MW-65	W65M2A	02/11/00	CYAN	{ND on all 1} analytes			130	135	13	8		
MW-65	W65M2A	02/11/00	IM40HD	{ND on all 1} analytes			130	135	13	8		
MW-65	W65M2A	02/11/00	IM40HG	{ND on all 1} analytes			130	135	13	8		
MW-65	W65M2A	02/11/00	IM40MB	BORON	6.7 J	UG/L	130	135	13	8	600	
MW-65	W65M2A	02/11/00	IM40MB	CALCIUM	1700	UG/L	130	135	13	8		
MW-65	W65M2A	02/11/00	IM40MB	MAGNESIUM	1360	UG/L	130	135	13	8		
MW-65	W65M2A	02/11/00	IM40MB	POTASSIUM	666	UG/L	130	135	13	8		
MW-65	W65M2A	02/11/00	IM40MB	SODIUM	5810	UG/L	130	135	13	8	20000	
MW-65	W65M2A	02/11/00	OC21B	{ND on all 64} analytes			130	135	13	8		
MW-65	W65M2A	02/11/00	OC21V	CHLOROFORM	2	UG/L	130	135	13	8	80	
MW-65	W65M2A	02/11/00	OL21P	{ND on all 28} analytes			130	135	13	8		
MW-65	W65M2A	02/11/00	TOC	TOTAL ORGANIC CARBON	1.1	MG/L	130	135	13	8		
MW-65	W65M2A	04/25/00	300.0	CHLORIDE (AS CL)	10.8	MG/L	130	135	13	8		
MW-65	W65M2A	04/25/00	300.0	SULFATE (AS SO4)	4.7	MG/L	130	135	13	8		
MW-65	W65M2A	04/25/00	310.1	ALKALINITY, BICARBONATE (AS CACO3)	4	MG/L	130	135	13	8		
MW-65	W65M2A	04/25/00	310.1	ALKALINITY, TOTAL (AS CACO3)	4	MG/L	130	135	13	8		
MW-65	W65M2A	04/25/00	350.2M	{ND on all 1} analytes			130	135	13	8		
MW-65	W65M2A	04/25/00	353.2M	{ND on all 1} analytes			130	135	13	8		
MW-65	W65M2A	04/25/00	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS	0.02	MG/L	130	135	13	8		
MW-65	W65M2A	04/25/00	504	{ND on all 1} analytes			130	135	13	8		
MW-65	W65M2A	04/25/00	8021W	{ND on all 1} analytes			130	135	13	8		
MW-65	W65M2A	04/25/00	8151	{ND on all 18} analytes			130	135	13	8		
MW-65	W65M2A	04/25/00	8330N	{ND on all 19} analytes			130	135	13	8		
MW-65	W65M2A	04/25/00	CYAN	{ND on all 1} analytes			130	135	13	8		
MW-65	W65M2A	04/25/00	IM40HD	{ND on all 1} analytes			130	135	13	8		
MW-65	W65M2A	04/25/00	IM40HG	{ND on all 1} analytes			130	135	13	8		
MW-65	W65M2A	04/25/00	IM40MB	BORON	6.4	UG/L	130	135	13	8	600	
MW-65	W65M2A	04/25/00	IM40MB	CALCIUM	1750	UG/L	130	135	13	8		
MW-65	W65M2A	04/25/00	IM40MB	MAGNESIUM	1290	UG/L	130	135	13	8		
MW-65	W65M2A	04/25/00	IM40MB	MANGANESE	1.6 J	UG/L	130	135	13	8		
MW-65	W65M2A	04/25/00	IM40MB	MOLYBDENUM	2.3 J	UG/L	130	135	13	8	10	
MW-65	W65M2A	04/25/00	IM40MB	POTASSIUM	439 J	UG/L	130	135	13	8		
MW-65	W65M2A	04/25/00	IM40MB	SODIUM	6720	UG/L	130	135	13	8	20000	
MW-65	W65M2A	04/25/00	IM40MB	ZINC	1.7 J	UG/L	130	135	13	8	2000	
MW-65	W65M2A	04/25/00	OC21B	{ND on all 64} analytes			130	135	13	8		
MW-65	W65M2A	04/25/00	OC21V	CHLOROFORM	1	UG/L	130	135	13	8	80	
MW-65	W65M2A	04/25/00	OL21P	{ND on all 28} analytes			130	135	13	8		
MW-65	W65M2A	04/25/00	TOC	{ND on all 1} analytes			130	135	13	8		

Table A-3

Groundwater Analytical Detections (MW-65 and MW-66)
Gun and Mortar Postions

WELL ID	AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	Units	SBD	SED	BWTE	BWTS	MCL/HA	Excd
MW-65	W65M2A	07/09/02	E314.0	{ND on all 1} analyte			130	135	13	8		
MW-65	W65M2A	05/10/04	E314.0	PERCHLORATE	0.64 J	UG/L	130	135	13	8		
MW-65	W65M2A	08/20/04	E314.0	{ND on all 1} analyte			130	135	13	8		
MW-65	W65M2D	08/20/04	E314.0	PERCHLORATE	0.41 J	UG/L	130	135	13	8		
MW-65	W65M2A	03/12/05	E314.0	PERCHLORATE	0.81 J	UG/L	130	135	13	8		
MW-65	W65M2A	05/12/05	E314.0	PERCHLORATE	0.91 J	UG/L	130	135	13	8		
MW-65	W65M2D	05/12/05	E314.0	PERCHLORATE	0.9 J	UG/L	130	135	13	8		
MW-65	W65M1A	10/26/99	300.0	CHLORIDE (AS CL)	8.9	MG/L	210	220	98	88		
MW-65	W65M1A	10/26/99	300.0	SULFATE (AS SO4)	4.4	MG/L	210	220	98	88		
MW-65	W65M1A	10/26/99	310.1	ALKALINITY, BICARBONATE (AS CACO3)	8	MG/L	210	220	98	88		
MW-65	W65M1A	10/26/99	310.1	ALKALINITY, TOTAL (AS CACO3)	8	MG/L	210	220	98	88		
MW-65	W65M1A	10/26/99	350.2M	{ND on all 1} analytes			210	220	98	88		
MW-65	W65M1A	10/26/99	353.2M	NITRATE/NITRITE (AS N)	0.04	MG/L	210	220	98	88	10	
MW-65	W65M1A	10/26/99	365.2	{ND on all 1} analytes			210	220	98	88		
MW-65	W65M1A	10/26/99	504	{ND on all 1} analytes			210	220	98	88		
MW-65	W65M1A	10/26/99	8021W	{ND on all 1} analytes			210	220	98	88		
MW-65	W65M1A	10/26/99	8151	{ND on all 18} analytes			210	220	98	88		
MW-65	W65M1A	10/26/99	8330N	{ND on all 19} analytes			210	220	98	88		
MW-65	W65M1A	10/26/99	CYAN	{ND on all 1} analytes			210	220	98	88		
MW-65	W65M1A	10/26/99	IM40HD	{ND on all 1} analytes			210	220	98	88		
MW-65	W65M1A	10/26/99	IM40HG	{ND on all 1} analytes			210	220	98	88		
MW-65	W65M1A	10/26/99	IM40MB	BORON	7.8	UG/L	210	220	98	88	600	
MW-65	W65M1A	10/26/99	IM40MB	CALCIUM	2390	UG/L	210	220	98	88		
MW-65	W65M1A	10/26/99	IM40MB	COPPER	2 J	UG/L	210	220	98	88	1300	
MW-65	W65M1A	10/26/99	IM40MB	MAGNESIUM	1030	UG/L	210	220	98	88		
MW-65	W65M1A	10/26/99	IM40MB	MANGANESE	220	UG/L	210	220	98	88		
MW-65	W65M1A	10/26/99	IM40MB	MOLYBDENUM	3.4	UG/L	210	220	98	88	10	
MW-65	W65M1A	10/26/99	IM40MB	POTASSIUM	1400	UG/L	210	220	98	88		
MW-65	W65M1A	10/26/99	IM40MB	SODIUM	5860	UG/L	210	220	98	88	20000	
MW-65	W65M1A	10/26/99	IM40MB	ZINC	15.8	UG/L	210	220	98	88	2000	
MW-65	W65M1A	10/26/99	OC21B	{ND on all 64} analytes			210	220	98	88		
MW-65	W65M1A	10/26/99	OC21V	CHLOROFORM	1	UG/L	210	220	98	88	80	
MW-65	W65M1A	10/26/99	OL21P	{ND on all 28} analytes			210	220	98	88		
MW-65	W65M1A	10/26/99	TOC	{ND on all 1} analytes			210	220	98	88		

Table A-3

Groundwater Analytical Detections (MW-65 and MW-66)
Gun and Mortar Postions

WELL ID	AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	Units	SBD	SED	BWTE	BWTS	MCL/HA	Excd
MW-65	W65M1A	02/10/00	300.0	CHLORIDE (AS CL)	9.1	MG/L	210	220	98	88		
MW-65	W65M1A	02/10/00	300.0	SULFATE (AS SO4)	4.4	MG/L	210	220	98	88		
MW-65	W65M1A	02/10/00	310.1	ALKALINITY, BICARBONATE (AS CACO3)	7	MG/L	210	220	98	88		
MW-65	W65M1A	02/10/00	310.1	ALKALINITY, TOTAL (AS CACO3)	7	MG/L	210	220	98	88		
MW-65	W65M1A	02/10/00	350.2M	NITROGEN, AMMONIA (AS N)	0.03	MG/L	210	220	98	88	30	
MW-65	W65M1A	02/10/00	353.2M	NITRATE/NITRITE (AS N)	0.03	MG/L	210	220	98	88	10	
MW-65	W65M1A	02/10/00	365.2	{ND on all 1} analytes			210	220	98	88		
MW-65	W65M1A	02/10/00	504	{ND on all 1} analytes			210	220	98	88		
MW-65	W65M1A	02/10/00	8021W	{ND on all 1} analytes			210	220	98	88		
MW-65	W65M1A	02/10/00	8151	{ND on all 18} analytes			210	220	98	88		
MW-65	W65M1A	02/10/00	8330N	{ND on all 19} analytes			210	220	98	88		
MW-65	W65M1A	02/10/00	CYAN	{ND on all 1} analytes			210	220	98	88		
MW-65	W65M1A	02/10/00	IM40HD	{ND on all 1} analytes			210	220	98	88		
MW-65	W65M1A	02/10/00	IM40HG	{ND on all 1} analytes			210	220	98	88		
MW-65	W65M1A	02/10/00	IM40MB	BORON	6.7 J	UG/L	210	220	98	88	600	
MW-65	W65M1A	02/10/00	IM40MB	CALCIUM	2110	UG/L	210	220	98	88		
MW-65	W65M1A	02/10/00	IM40MB	MAGNESIUM	1230	UG/L	210	220	98	88		
MW-65	W65M1A	02/10/00	IM40MB	MANGANESE	36.3	UG/L	210	220	98	88		
MW-65	W65M1A	02/10/00	IM40MB	MOLYBDENUM	0.94 J	UG/L	210	220	98	88	10	
MW-65	W65M1A	02/10/00	IM40MB	POTASSIUM	825	UG/L	210	220	98	88		
MW-65	W65M1A	02/10/00	IM40MB	SODIUM	5950	UG/L	210	220	98	88	20000	
MW-65	W65M1A	02/10/00	OC21B	DIETHYL PHTHALATE	9	UG/L	210	220	98	88	5000	
MW-65	W65M1A	02/10/00	OC21V	CHLOROFORM	1	UG/L	210	220	98	88	80	
MW-65	W65M1A	02/10/00	OL21P	{ND on all 28} analytes			210	220	98	88		
MW-65	W65M1A	02/10/00	TOC	{ND on all 1} analytes			210	220	98	88		
MW-65	W65M1A	04/25/00	300.0	CHLORIDE (AS CL)	9.4	MG/L	210	220	98	88		
MW-65	W65M1A	04/25/00	300.0	SULFATE (AS SO4)	4.2	MG/L	210	220	98	88		
MW-65	W65M1A	04/25/00	310.1	ALKALINITY, BICARBONATE (AS CACO3)	7	MG/L	210	220	98	88		
MW-65	W65M1A	04/25/00	310.1	ALKALINITY, TOTAL (AS CACO3)	7	MG/L	210	220	98	88		
MW-65	W65M1A	04/25/00	350.2M	{ND on all 1} analytes			210	220	98	88		
MW-65	W65M1A	04/25/00	353.2M	NITRATE/NITRITE (AS N)	0.03	MG/L	210	220	98	88	10	
MW-65	W65M1A	04/25/00	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS	0.01	MG/L	210	220	98	88		
MW-65	W65M1A	04/25/00	504	{ND on all 1} analytes			210	220	98	88		
MW-65	W65M1A	04/25/00	8021W	{ND on all 1} analytes			210	220	98	88		
MW-65	W65M1A	04/25/00	8151	{ND on all 18} analytes			210	220	98	88		
MW-65	W65M1A	04/25/00	8330N	{ND on all 19} analytes			210	220	98	88		
MW-65	W65M1A	04/25/00	CYAN	{ND on all 1} analytes			210	220	98	88		
MW-65	W65M1A	04/25/00	IM40HD	{ND on all 1} analytes			210	220	98	88		
MW-65	W65M1A	04/25/00	IM40HG	{ND on all 1} analytes			210	220	98	88		
MW-65	W65M1A	04/25/00	IM40MB	BORON	7	UG/L	210	220	98	88	600	

Table A-3

Groundwater Analytical Detections (MW-65 and MW-66)
Gun and Mortar Postions

WELL ID	AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	Units	SBD	SED	BWTE	BWTS	MCL/HA	Excd
MW-65	W65M1A	04/25/00	IM40MB	CALCIUM	2240	UG/L	210	220	98	88		
MW-65	W65M1A	04/25/00	IM40MB	MAGNESIUM	1230	UG/L	210	220	98	88		
MW-65	W65M1A	04/25/00	IM40MB	MANGANESE	18.5	UG/L	210	220	98	88		
MW-65	W65M1A	04/25/00	IM40MB	POTASSIUM	520 J	UG/L	210	220	98	88		
MW-65	W65M1A	04/25/00	IM40MB	SODIUM	6530	UG/L	210	220	98	88	20000	
MW-65	W65M1A	04/25/00	IM40MB	ZINC	3.6	UG/L	210	220	98	88	2000	
MW-65	W65M1A	04/25/00	OC21B	{ND on all 64} analytes			210	220	98	88		
MW-65	W65M1A	04/25/00	OC21V	CHLOROFORM	1	UG/L	210	220	98	88	80	
MW-65	W65M1A	04/25/00	OL21P	{ND on all 28} analytes			210	220	98	88		
MW-65	W65M1A	04/25/00	TOC	{ND on all 1} analytes			210	220	98	88		
MW-65	W65M1A	07/09/04	E314.0	{ND on all 1} analyte			210	220	98	88		
MW-65	W65M1A	03/26/04	E314.0	{ND on all 1} analyte			210	220	98	88		
MW-65	W65M1D	03/26/04	E314.0	{ND on all 1} analyte			210	220	98	88		
MW-65	W65M1A	08/06/04	E314.0	{ND on all 1} analyte			210	220	98	88		
MW-66	W66SSA	10/20/99	300.0	CHLORIDE (AS CL)	8.5	MG/L	126	136	10	0		
MW-66	W66SSA	10/20/99	300.0	SULFATE (AS SO4)	5.4	MG/L	126	136	10	0		
MW-66	W66SSA	10/20/99	310.1	ALKALINITY, BICARBONATE (AS CACO3)	3	MG/L	126	136	10	0		
MW-66	W66SSA	10/20/99	310.1	ALKALINITY, TOTAL (AS CACO3)	3	MG/L	126	136	10	0		
MW-66	W66SSA	10/20/99	350.2M	NITROGEN, AMMONIA (AS N)	0.03 J	MG/L	126	136	10	0	30	
MW-66	W66SSA	10/20/99	353.2M	NITRATE/NITRITE (AS N)	0.05	MG/L	126	136	10	0	10	
MW-66	W66SSA	10/20/99	365.2	{ND on all 1} analytes			126	136	10	0		
MW-66	W66SSA	10/20/99	504	{ND on all 1} analytes			126	136	10	0		
MW-66	W66SSA	10/20/99	8021W	{ND on all 1} analytes			126	136	10	0		
MW-66	W66SSA	10/20/99	8151	{ND on all 18} analytes			126	136	10	0		
MW-66	W66SSA	10/20/99	8330N	{ND on all 19} analytes			126	136	10	0		
MW-66	W66SSA	10/20/99	CYAN	{ND on all 1} analytes			126	136	10	0		
MW-66	W66SSA	10/20/99	IM40HD	{ND on all 1} analytes			126	136	10	0		
MW-66	W66SSA	10/20/99	IM40HG	{ND on all 1} analytes			126	136	10	0		
MW-66	W66SSA	10/20/99	IM40MB	BARIUM	8.6 J	UG/L	126	136	10	0	2000	
MW-66	W66SSA	10/20/99	IM40MB	BORON	8.7	UG/L	126	136	10	0	600	
MW-66	W66SSA	10/20/99	IM40MB	CALCIUM	1340	UG/L	126	136	10	0		
MW-66	W66SSA	10/20/99	IM40MB	MAGNESIUM	1220	UG/L	126	136	10	0		
MW-66	W66SSA	10/20/99	IM40MB	MANGANESE	13.2	UG/L	126	136	10	0		
MW-66	W66SSA	10/20/99	IM40MB	POTASSIUM	1030	UG/L	126	136	10	0		
MW-66	W66SSA	10/20/99	IM40MB	SODIUM	5220	UG/L	126	136	10	0	20000	
MW-66	W66SSA	10/20/99	OC21B	{ND on all 64} analytes			126	136	10	0		
MW-66	W66SSA	10/20/99	OC21V	CHLOROFORM	0.8 J	UG/L	126	136	10	0	80	

Table A-3

Groundwater Analytical Detections (MW-65 and MW-66)
Gun and Mortar Postions

WELL ID	AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	Units	SBD	SED	BWTE	BWTS	MCL/HA	Excd
MW-66	W66SSA	10/20/99	OL21P	{ND on all 28} analytes			126	136	10	0		
MW-66	W66SSA	10/20/99	TOC	{ND on all 1} analytes			126	136	10	0		
MW-66	W66SSA	02/10/00	300.0	CHLORIDE (AS CL)	8	MG/L	126	136	10	0		
MW-66	W66SSA	02/10/00	300.0	SULFATE (AS SO4)	5.8	MG/L	126	136	10	0		
MW-66	W66SSA	02/10/00	310.1	ALKALINITY, BICARBONATE (AS CACO3)	3	MG/L	126	136	10	0		
MW-66	W66SSA	02/10/00	310.1	ALKALINITY, TOTAL (AS CACO3)	3	MG/L	126	136	10	0		
MW-66	W66SSA	02/10/00	350.2M	NITROGEN, AMMONIA (AS N)	0.03	MG/L	126	136	10	0	30	
MW-66	W66SSA	02/10/00	353.2M	NITRATE/NITRITE (AS N)	0.08	MG/L	126	136	10	0	10	
MW-66	W66SSA	02/10/00	365.2	{ND on all 1} analytes			126	136	10	0		
MW-66	W66SSA	02/10/00	504	{ND on all 1} analytes			126	136	10	0		
MW-66	W66SSA	02/10/00	8021W	{ND on all 1} analytes			126	136	10	0		
MW-66	W66SSA	02/10/00	8151	{ND on all 18} analytes			126	136	10	0		
MW-66	W66SSA	02/10/00	8330N	{ND on all 19} analytes			126	136	10	0		
MW-66	W66SSA	02/10/00	CYAN	{ND on all 1} analytes			126	136	10	0		
MW-66	W66SSA	02/10/00	IM40HD	{ND on all 1} analytes			126	136	10	0		
MW-66	W66SSA	02/10/00	IM40HG	{ND on all 1} analytes			126	136	10	0		
MW-66	W66SSA	02/10/00	IM40MB	BORON	7.2	UG/L	126	136	10	0	600	
MW-66	W66SSA	02/10/00	IM40MB	CALCIUM	1090	UG/L	126	136	10	0		
MW-66	W66SSA	02/10/00	IM40MB	MAGNESIUM	1130	UG/L	126	136	10	0		
MW-66	W66SSA	02/10/00	IM40MB	POTASSIUM	1020	UG/L	126	136	10	0		
MW-66	W66SSA	02/10/00	IM40MB	SODIUM	5800	UG/L	126	136	10	0	20000	
MW-66	W66SSA	02/10/00	OC21B	{ND on all 64} analytes			126	136	10	0		
MW-66	W66SSA	02/10/00	OC21V	CHLOROFORM	0.8 J	UG/L	126	136	10	0	80	
MW-66	W66SSA	02/10/00	OL21P	{ND on all 28} analytes			126	136	10	0		
MW-66	W66SSA	02/10/00	TOC	{ND on all 1} analytes			126	136	10	0		
MW-66	W66SSA	05/01/00	300.0	CHLORIDE (AS CL)	8.9	MG/L	126	136	10	0		
MW-66	W66SSA	05/01/00	300.0	SULFATE (AS SO4)	5.4	MG/L	126	136	10	0		
MW-66	W66SSA	05/01/00	310.1	ALKALINITY, BICARBONATE (AS CACO3)	3	MG/L	126	136	10	0		
MW-66	W66SSA	05/01/00	310.1	ALKALINITY, TOTAL (AS CACO3)	3	MG/L	126	136	10	0		
MW-66	W66SSA	05/01/00	350.2M	{ND on all 1} analytes			126	136	10	0		
MW-66	W66SSA	05/01/00	353.2M	NITRATE/NITRITE (AS N)	0.07	MG/L	126	136	10	0	10	
MW-66	W66SSA	05/01/00	365.2	{ND on all 1} analytes			126	136	10	0		
MW-66	W66SSA	05/01/00	504	{ND on all 1} analytes			126	136	10	0		
MW-66	W66SSA	05/01/00	8021W	{ND on all 1} analytes			126	136	10	0		
MW-66	W66SSA	05/01/00	8151	{ND on all 18} analytes			126	136	10	0		
MW-66	W66SSA	05/01/00	8330N	{ND on all 19} analytes			126	136	10	0		
MW-66	W66SSA	05/01/00	CYAN	{ND on all 1} analytes			126	136	10	0		
MW-66	W66SSA	05/01/00	IM40HD	{ND on all 1} analytes			126	136	10	0		
MW-66	W66SSA	05/01/00	IM40HG	{ND on all 1} analytes			126	136	10	0		

Table A-3

Groundwater Analytical Detections (MW-65 and MW-66)
Gun and Mortar Postions

WELL ID	AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	Units	SBD	SED	BWTE	BWTS	MCL/HA	Excd
MW-66	W66SSA	05/01/00	IM40MB	ARSENIC	4.2 J	UG/L	126	136	10	0	50	
MW-66	W66SSA	05/01/00	IM40MB	BORON	9.2	UG/L	126	136	10	0	600	
MW-66	W66SSA	05/01/00	IM40MB	CALCIUM	1190	UG/L	126	136	10	0		
MW-66	W66SSA	05/01/00	IM40MB	MAGNESIUM	1150	UG/L	126	136	10	0		
MW-66	W66SSA	05/01/00	IM40MB	MANGANESE	2.2	UG/L	126	136	10	0		
MW-66	W66SSA	05/01/00	IM40MB	POTASSIUM	843	UG/L	126	136	10	0		
MW-66	W66SSA	05/01/00	IM40MB	SODIUM	6180	UG/L	126	136	10	0	20000	
MW-66	W66SSA	05/01/00	OC21B	{ND on all 64} analytes			126	136	10	0		
MW-66	W66SSA	05/01/00	OC21V	CHLOROFORM	0.8 J	UG/L	126	136	10	0	80	
MW-66	W66SSA	05/01/00	OL21P	{ND on all 28} analytes			126	136	10	0		
MW-66	W66SSA	05/01/00	TOC	{ND on all 1} analytes			126	136	10	0		

Table A-3

Groundwater Analytical Detections (MW-65 and MW-66)
Gun and Mortar Postions

WELL ID	AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	Units	SBD	SED	BWTE	BWTS	MCL/HA	Excd
MW-66	W66SSA	08/31/00	300.0	CHLORIDE (AS CL)	8.4	MG/L	126	136	10	0		
MW-66	W66SSA	08/31/00	300.0	SULFATE (AS SO4)	5.8	MG/L	126	136	10	0		
MW-66	W66SSA	08/31/00	310.1	{ND on all 4} analytes			126	136	10	0		
MW-66	W66SSA	08/31/00	350.2M	{ND on all 1} analytes			126	136	10	0		
MW-66	W66SSA	08/31/00	353.2M	NITRATE/NITRITE (AS N)	0.06	MG/L	126	136	10	0	10	
MW-66	W66SSA	08/31/00	365.2	{ND on all 1} analytes			126	136	10	0		
MW-66	W66SSA	08/31/00	504	{ND on all 1} analytes			126	136	10	0		
MW-66	W66SSA	08/31/00	8021W	{ND on all 1} analytes			126	136	10	0		
MW-66	W66SSA	08/31/00	8151	{ND on all 18} analytes			126	136	10	0		
MW-66	W66SSA	08/31/00	8330N	{ND on all 19} analytes			126	136	10	0		
MW-66	W66SSA	08/31/00	CYAN	{ND on all 1} analytes			126	136	10	0		
MW-66	W66SSA	08/31/00	E314.0	{ND on all 1} analytes			126	136	10	0		
MW-66	W66SSA	08/31/00	IM40HD	{ND on all 1} analytes			126	136	10	0		
MW-66	W66SSA	08/31/00	IM40HG	{ND on all 1} analytes			126	136	10	0		
MW-66	W66SSA	08/31/00	IM40MB	BARIUM	7.3 J	UG/L	126	136	10	0	2000	
MW-66	W66SSA	08/31/00	IM40MB	CALCIUM	1300	UG/L	126	136	10	0		
MW-66	W66SSA	08/31/00	IM40MB	MAGNESIUM	1170	UG/L	126	136	10	0		
MW-66	W66SSA	08/31/00	IM40MB	MANGANESE	1.7	UG/L	126	136	10	0		
MW-66	W66SSA	08/31/00	IM40MB	POTASSIUM	965 J	UG/L	126	136	10	0		
MW-66	W66SSA	08/31/00	IM40MB	SODIUM	5530	UG/L	126	136	10	0	20000	
MW-66	W66SSA	08/31/00	IM40MB	ZINC	1.5 J	UG/L	126	136	10	0	2000	
MW-66	W66SSA	08/31/00	OC21V	CHLOROFORM	0.9 J	UG/L	126	136	10	0	80	
MW-66	W66SSA	08/31/00	OL21P	{ND on all 28} analytes			126	136	10	0		
MW-66	W66SSA	08/31/00	SW8270	{ND on all 77} analytes			126	136	10	0		
MW-66	W66SSA	08/31/00	TOC	{ND on all 1} analytes			126	136	10	0		
MW-66	W66SSA	12/19/00	SW8270	1,2-DICHLOROBENZENE-D4	70	UG/L	126	136	10	0		
MW-66	W66SSA	12/19/00	SW8270	2,4,6-TRIBROMOPHENOL	69	UG/L	126	136	10	0		
MW-66	W66SSA	12/19/00	SW8270	2-CHLOROPHENOL-D4	92	UG/L	126	136	10	0		
MW-66	W66SSA	12/19/00	SW8270	2-FLUOROBIPHENYL	86	UG/L	126	136	10	0		
MW-66	W66SSA	12/19/00	SW8270	2-FLUOROPHENOL	48	UG/L	126	136	10	0		
MW-66	W66SSA	12/19/00	SW8270	NITROBENZENE-D5	94	UG/L	126	136	10	0		
MW-66	W66SSA	12/19/00	SW8270	PHENOL-D5	29	UG/L	126	136	10	0		
MW-66	W66SSA	12/19/00	SW8270	TERPHENYL-D14	93	UG/L	126	136	10	0		
MW-66	W66SSA	05/15/01	SW8270	1,2-DICHLOROBENZENE-D4	82 *	UG/L	126	136	10	0		
MW-66	W66SSA	05/15/01	SW8270	2,4,6-TRIBROMOPHENOL	116 E*	UG/L	126	136	10	0		
MW-66	W66SSA	05/15/01	SW8270	2-CHLOROPHENOL-D4	99 *	UG/L	126	136	10	0		
MW-66	W66SSA	05/15/01	SW8270	2-FLUOROBIPHENYL	100 *	UG/L	126	136	10	0		
MW-66	W66SSA	05/15/01	SW8270	2-FLUOROPHENOL	78 *	UG/L	126	136	10	0		
MW-66	W66SSA	05/15/01	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	0.26 J	UG/L	126	136	10	0	6	

Table A-3

Groundwater Analytical Detections (MW-65 and MW-66)
Gun and Mortar Postions

WELL ID	AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC		Units	SBD	SED	BWTE	BWTS	MCL/HA	Excd
MW-66	W66SSA	05/15/01	SW8270	NITROBENZENE-D5	100	*	UG/L	126	136	10	0		
MW-66	W66SSA	05/15/01	SW8270	PHENOL-D5	55	*	UG/L	126	136	10	0		
MW-66	W66SSA	05/15/01	SW8270	TERPHENYL-D14	124	*	UG/L	126	136	10	0		
MW-66	W66SSA	08/13/01	ILSBTL	{ND on all 2} analytes				126	136	10	0	2	
MW-66	W66SSA	08/13/01	IM40HD	{ND on all 1} analytes				126	136	10	0		
MW-66	W66SSA	08/13/01	IM40MB	BORON	7.4		UG/L	126	136	10	0	600	
MW-66	W66SSA	08/13/01	IM40MB	BARIUM	7.4		UG/L	126	136	10	0	2000	
MW-66	W66SSA	08/13/01	IM40MB	CALCIUM	1500		UG/L	126	136	10	0		
MW-66	W66SSA	08/13/01	IM40MB	MAGNESIUM	1360		UG/L	126	136	10	0		
MW-66	W66SSA	08/13/01	IM40MB	MANGANESE	3.9		UG/L	126	136	10	0		
MW-66	W66SSA	08/13/01	IM40MB	SODIUM	5440		UG/L	126	136	10	0	20000	
MW-66	W66SSA	08/13/01	IM40HG	{ND on all 1} analytes				126	136	10	0	2	
MW-66	W66SSA	08/13/01	8151	{ND on all 18} analytes				126	136	10	0		
MW-66	W66SSA	08/13/01	OC21V	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUO	89		UG/L	126	136	10	0		
MW-66	W66SSA	08/13/01	OC21V	CHLOROFORM	0.8	J	UG/L	126	136	10	0	80	
MW-66	W66SSA	08/13/01	OL21P	DCB	88		UG/L	126	136	10	0		
MW-66	W66SSA	08/13/01	OL21P	TCX	60		UG/L	126	136	10	0		
MW-66	W66SSA	08/13/01	8330N	{ND on all 19} analytes				126	136	10	0		
MW-66	W66SSA	08/13/01	SW8270	2,4,6-TRIBROMOPHENOL	90		UG/L	126	136	10	0		
MW-66	W66SSA	08/13/01	SW8270	2-CHLOROPHENOL-D4	84		UG/L	126	136	10	0		
MW-66	W66SSA	08/13/01	SW8270	2-FLUOROPHENOL	54		UG/L	126	136	10	0		
MW-66	W66SSA	08/13/01	SW8270	TERPHENYL-D14	96		UG/L	126	136	10	0		
MW-66	W66SSA	08/13/01	SW8270	PHENOL-D5	42		UG/L	126	136	10	0		
MW-66	W66SSA	08/13/01	SW8270	1,2-DICHLOROBENZENE-D4	70		UG/L	126	136	10	0		
MW-66	W66SSA	08/13/01	SW8270	2-FLUOROBIPHENYL	82		UG/L	126	136	10	0		
MW-66	W66SSA	08/13/01	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	0.36	J	UG/L	126	136	10	0	6	
MW-66	W66SSA	08/13/01	SW8270	NITROBENZENE-D5	90		UG/L	126	136	10	0		
MW-66	W66SSA	09/21/01	E314.0	PERCHLORATE	2.2	J	UG/L	126	136	10	0		
MW-66	W66SSA	12/10/01	SW8270	1,2-DICHLOROBENZENE-D4	69		UG/L	126	136	10	0		
MW-66	W66SSA	12/10/01	SW8270	2,4,6-TRIBROMOPHENOL	89		UG/L	126	136	10	0		
MW-66	W66SSA	12/10/01	SW8270	2-FLUOROBIPHENYL	66		UG/L	126	136	10	0		
MW-66	W66SSA	12/10/01	SW8270	2-FLUOROPHENOL	50		UG/L	126	136	10	0		
MW-66	W66SSA	12/10/01	SW8270	2-CHLOROPHENOL-D4	83		UG/L	126	136	10	0		
MW-66	W66SSA	12/10/01	SW8270	DI-N-BUTYL PHTHALATE	0.53	J	UG/L	126	136	10	0		
MW-66	W66SSA	12/10/01	SW8270	NITROBENZENE-D5	87		UG/L	126	136	10	0		
MW-66	W66SSA	12/10/01	SW8270	PHENOL-D5	35		UG/L	126	136	10	0		
MW-66	W66SSA	12/10/01	SW8270	TERPHENYL-D14	104		UG/L	126	136	10	0		

Table A-3

Groundwater Analytical Detections (MW-65 and MW-66)
Gun and Mortar Postions

WELL ID	AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	Units	SBD	SED	BWTE	BWTS	MCL/HA	Excd
MW-66	W66SSA	07/01/02	E314.0	PERCHLORATE	2	UG/L	126	136	10	0		
MW-66	W66SSA	08/09/02	IM40HD	{ND on all 1} analytes			126	136	10	0		
MW-66	W66SSA	08/09/02	IM40MB	BORON	7.2 J	UG/L	126	136	10	0	600	
MW-66	W66SSA	08/09/02	IM40MB	CALCIUM	1650	UG/L	126	136	10	0		
MW-66	W66SSA	08/09/02	IM40MB	MAGNESIUM	1380	UG/L	126	136	10	0		
MW-66	W66SSA	08/09/02	IM40MB	MANGANESE	1.3	UG/L	126	136	10	0		
MW-66	W66SSA	08/09/02	IM40MB	POTASSIUM	976	UG/L	126	136	10	0		
MW-66	W66SSA	08/09/02	IM40MB	SODIUM	5400	UG/L	126	136	10	0	20000	
MW-66	W66SSA	08/09/02	IM40MB	ZINC	3.1	UG/L	126	136	10	0	2000	
MW-66	W66SSA	08/09/02	IM40HG	{ND on all 1} analytes			126	136	10	0	2	
MW-66	W66SSA	08/09/02	8151	DCAA	89	UG/L	126	136	10	0		
MW-66	W66SSA	08/09/02	OC21V	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUO	94	UG/L	126	136	10	0		
MW-66	W66SSA	08/09/02	OC21V	CHLOROFORM	0.8	UG/L	126	136	10	0	80	
MW-66	W66SSA	08/09/02	8330N	{ND on all 19} analytes			126	136	10	0		
MW-66	W66SSA	08/09/02	SW8270	1,2-DICHLOROBENZENE-D4	73	UG/L	126	136	10	0		
MW-66	W66SSA	08/09/02	SW8270	2,4,6-TRIBROMOPHENOL	70	UG/L	126	136	10	0		
MW-66	W66SSA	08/09/02	SW8270	2-CHLOROPHENOL-D4	78	UG/L	126	136	10	0		
MW-66	W66SSA	08/09/02	SW8270	2-FLUOROBIPHENYL	37	UG/L	126	136	10	0		
MW-66	W66SSA	08/09/02	SW8270	2-FLUOROPHENOL	56	UG/L	126	136	10	0		
MW-66	W66SSA	08/09/02	SW8270	DI-N-BUTYL PHTHALATE	0.34	UG/L	126	136	10	0		
MW-66	W66SSA	08/09/02	SW8270	O-HYDROXYBIPHENYL	3.9 NJ	UG/L	126	136	10	0		
MW-66	W66SSA	08/09/02	SW8270	PHENOL-D5	31	UG/L	126	136	10	0		
MW-66	W66SSA	08/09/02	SW8270	TERPHENYL-D14	76	UG/L	126	136	10	0		
MW-66	W66SSA	08/09/02	E314.0	PERCHLORATE	2.9	UG/L	126	136	10	0		
MW-66	W66SSA	01/30/03	E314.0	PERCHLORATE	3 J	UG/L	126	136	10	0		
MW-66	W66SSA	04/03/03	E314.0	PERCHLORATE	2.5	UG/L	126	136	10	0		
MW-66	W66SSA	02/23/04	E314.0	PERCHLORATE	3.2 J	UG/L	126	136	10	0		
MW-66	W66SSA	05/10/04	E314.0	PERCHLORATE	3 J	UG/L	126	136	10	0		
MW-66	W66SSA	08/31/04	IM40HD	{ND on all 1} analytes			126	136	10	0		
MW-66	W66SSA	08/31/04	IM40MBM	BARIUM	7.5 J	UG/L	126	136	10	0	2000	
MW-66	W66SSA	08/31/04	IM40MBM	CALCIUM	1780	UG/L	126	136	10	0		
MW-66	W66SSA	08/31/04	IM40MBM	MAGNESIUM	1480	UG/L	126	136	10	0		
MW-66	W66SSA	08/31/04	IM40MBM	MANGANESE	1.1	UG/L	126	136	10	0		
MW-66	W66SSA	08/31/04	IM40MBM	POTASSIUM	461 J	UG/L	126	136	10	0		
MW-66	W66SSA	08/31/04	IM40MBM	SODIUM	6100	UG/L	126	136	10	0	20000	

Table A-3

Groundwater Analytical Detections (MW-65 and MW-66)
Gun and Mortar Postions

WELL ID	AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	Units	SBD	SED	BWTE	BWTS	MCL/HA	Excd
MW-66	W66SSA	08/31/04	IM40HG	{ND on all 1} analytes			126	136	10	0		
MW-66	W66SSA	08/31/04	6020SB	{ND on all 2} analytes			126	136	10	0		
MW-66	W66SSA	08/31/04	OC21VM	1-BROMO-4-FLUOROBENZENE (4-BROMOFLUO	4	UG/L	126	136	10	0		
MW-66	W66SSA	08/31/04	OC21VM	CHLOROFORM	0.5 J	UG/L	126	136	10	0	80	
MW-66	W66SSA	08/31/04	8330N	{ND on all 19} analytes			126	136	10	0		
MW-66	W66SSA	08/31/04	SW8270	1,2-DICHLOROBENZENE-D4	20	UG/L	126	136	10	0		
MW-66	W66SSA	08/31/04	SW8270	2,4,6-TRIBROMOPHENOL	32	UG/L	126	136	10	0		
MW-66	W66SSA	08/31/04	SW8270	2-CHLOROPHENOL-D4	32	UG/L	126	136	10	0		
MW-66	W66SSA	08/31/04	SW8270	2-FLUOROBIPHENYL	21	UG/L	126	136	10	0		
MW-66	W66SSA	08/31/04	SW8270	2-FLUOROPHENOL	21	UG/L	126	136	10	0		
MW-66	W66SSA	08/31/04	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	0.33 J	UG/L	126	136	10	0	6	
MW-66	W66SSA	08/31/04	SW8270	NITROBENZENE-D5	22	UG/L	126	136	10	0		
MW-66	W66SSA	08/31/04	SW8270	PHENOL-D5	13	UG/L	126	136	10	0		
MW-66	W66SSA	08/31/04	SW8270	TERPHENYL-D14	24	UG/L	126	136	10	0		
MW-66	W66SSA	08/31/04	E314.0	PERCHLORATE	2.7 J	UG/L	126	136	10	0		
MW-66	W66SSA	03/18/05	E314.0	PERCHLORATE	1.98	UG/L	126	136	10	0		
MW-66	W66SSA	05/20/05	E314.0	PERCHLORATE	1.7 J	UG/L	126	136	10	0		
MW-66	W66SSA	08/13/01	E314.0	PERCHLORATE	1.9 J	UG/L	126	136	10	0		
MW-66	W66M2A	10/20/99	300.0	CHLORIDE (AS CL)	9.3	MG/L	141	151	21	11		
MW-66	W66M2A	10/20/99	300.0	SULFATE (AS SO4)	5	MG/L	141	151	21	11		
MW-66	W66M2A	10/20/99	310.1	ALKALINITY, BICARBONATE (AS CACO3)	3	MG/L	141	151	21	11		
MW-66	W66M2A	10/20/99	310.1	ALKALINITY, TOTAL (AS CACO3)	3	MG/L	141	151	21	11		
MW-66	W66M2A	10/20/99	350.2M	{ND on all 1} analytes			141	151	21	11		
MW-66	W66M2A	10/20/99	353.2M	{ND on all 1} analytes			141	151	21	11		
MW-66	W66M2A	10/20/99	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS	0.01	MG/L	141	151	21	11		
MW-66	W66M2A	10/20/99	504	{ND on all 1} analytes			141	151	21	11		
MW-66	W66M2A	10/20/99	8021W	{ND on all 1} analytes			141	151	21	11		
MW-66	W66M2A	10/20/99	8151	CHLORAMBEN	0.3 NJ	UG/L	141	151	21	11	100	
MW-66	W66M2A	10/20/99	8330N	{ND on all 19} analytes			141	151	21	11		
MW-66	W66M2A	10/20/99	CYAN	{ND on all 1} analytes			141	151	21	11		
MW-66	W66M2A	10/20/99	IM40HD	{ND on all 1} analytes			141	151	21	11		
MW-66	W66M2A	10/20/99	IM40HG	{ND on all 1} analytes			141	151	21	11		
MW-66	W66M2A	10/20/99	IM40MB	ALUMINUM	253 J	UG/L	141	151	21	11		
MW-66	W66M2A	10/20/99	IM40MB	BARIUM	6.2 J	UG/L	141	151	21	11	2000	
MW-66	W66M2A	10/20/99	IM40MB	BORON	8.2	UG/L	141	151	21	11	600	
MW-66	W66M2A	10/20/99	IM40MB	CALCIUM	1760	UG/L	141	151	21	11		
MW-66	W66M2A	10/20/99	IM40MB	IRON	92.1 J	UG/L	141	151	21	11		

Table A-3

Groundwater Analytical Detections (MW-65 and MW-66)
Gun and Mortar Postions

WELL ID	AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	Units	SBD	SED	BWTE	BWTS	MCL/HA	Excd
MW-66	W66M2A	10/20/99	IM40MB	MAGNESIUM	1080	UG/L	141	151	21	11		
MW-66	W66M2A	10/20/99	IM40MB	MANGANESE	21.3	UG/L	141	151	21	11		
MW-66	W66M2A	10/20/99	IM40MB	POTASSIUM	725	UG/L	141	151	21	11		
MW-66	W66M2A	10/20/99	IM40MB	SODIUM	5540	UG/L	141	151	21	11	20000	
MW-66	W66M2A	10/20/99	OC21B	{ND on all 64} analytes			141	151	21	11		
MW-66	W66M2A	10/20/99	OC21V	CHLOROFORM	1	UG/L	141	151	21	11	80	
MW-66	W66M2A	10/20/99	OL21P	{ND on all 28} analytes			141	151	21	11		
MW-66	W66M2A	10/20/99	TOC	{ND on all 1} analytes			141	151	21	11		
MW-66	W66M2A	02/10/00	300.0	CHLORIDE (AS CL)	9.4	MG/L	141	151	21	11		
MW-66	W66M2A	02/10/00	300.0	SULFATE (AS SO4)	5.1	MG/L	141	151	21	11		
MW-66	W66M2A	02/10/00	310.1	ALKALINITY, BICARBONATE (AS CACO3)	2	MG/L	141	151	21	11		
MW-66	W66M2A	02/10/00	310.1	ALKALINITY, TOTAL (AS CACO3)	2	MG/L	141	151	21	11		
MW-66	W66M2A	02/10/00	350.2M	NITROGEN, AMMONIA (AS N)	0.05	MG/L	141	151	21	11	30	
MW-66	W66M2A	02/10/00	353.2M	{ND on all 1} analytes			141	151	21	11		
MW-66	W66M2A	02/10/00	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS	0.02	MG/L	141	151	21	11		
MW-66	W66M2A	02/10/00	504	{ND on all 1} analytes			141	151	21	11		
MW-66	W66M2A	02/10/00	8021W	{ND on all 1} analytes			141	151	21	11		
MW-66	W66M2A	02/10/00	8151	{ND on all 18} analytes			141	151	21	11		
MW-66	W66M2A	02/10/00	8330N	{ND on all 19} analytes			141	151	21	11		
MW-66	W66M2A	02/10/00	CYAN	{ND on all 1} analytes			141	151	21	11		
MW-66	W66M2A	02/10/00	IM40HD	{ND on all 1} analytes			141	151	21	11		
MW-66	W66M2A	02/10/00	IM40HG	{ND on all 1} analytes			141	151	21	11		
MW-66	W66M2A	02/10/00	IM40MB	BORON	7.2	UG/L	141	151	21	11	600	
MW-66	W66M2A	02/10/00	IM40MB	CALCIUM	1560	UG/L	141	151	21	11		
MW-66	W66M2A	02/10/00	IM40MB	MAGNESIUM	1080	UG/L	141	151	21	11		
MW-66	W66M2A	02/10/00	IM40MB	SODIUM	5720	UG/L	141	151	21	11	20000	
MW-66	W66M2A	02/10/00	OC21B	{ND on all 64} analytes			141	151	21	11		
MW-66	W66M2A	02/10/00	OC21V	CHLOROFORM	2	UG/L	141	151	21	11	80	
MW-66	W66M2A	02/10/00	OL21P	{ND on all 28} analytes			141	151	21	11		
MW-66	W66M2A	02/10/00	TOC	{ND on all 1} analytes			141	151	21	11		
MW-66	W66M2A	04/27/00	300.0	CHLORIDE (AS CL)	9.9	MG/L	141	151	21	11		
MW-66	W66M2A	04/27/00	300.0	SULFATE (AS SO4)	4.9	MG/L	141	151	21	11		
MW-66	W66M2A	04/27/00	310.1	ALKALINITY, BICARBONATE (AS CACO3)	3	MG/L	141	151	21	11		
MW-66	W66M2A	04/27/00	310.1	ALKALINITY, TOTAL (AS CACO3)	3	MG/L	141	151	21	11		
MW-66	W66M2A	04/27/00	350.2M	{ND on all 1} analytes			141	151	21	11		
MW-66	W66M2A	04/27/00	353.2M	NITRATE/NITRITE (AS N)	0.01	MG/L	141	151	21	11	10	
MW-66	W66M2A	04/27/00	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS	0.03	MG/L	141	151	21	11		
MW-66	W66M2A	04/27/00	504	{ND on all 1} analytes			141	151	21	11		
MW-66	W66M2A	04/27/00	8021W	{ND on all 1} analytes			141	151	21	11		

Table A-3

Groundwater Analytical Detections (MW-65 and MW-66)
Gun and Mortar Postions

WELL ID	AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	Units	SBD	SED	BWTE	BWTS	MCL/HA	Excd
MW-66	W66M2A	04/27/00	8151	2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	0.42 NJ	UG/L	141	151	21	11	70	
MW-66	W66M2A	04/27/00	8151	CHLORAMBEN	0.28 J	UG/L	141	151	21	11	100	
MW-66	W66M2A	04/27/00	8330N	{ND on all 19} analytes			141	151	21	11		
MW-66	W66M2A	04/27/00	CYAN	{ND on all 1} analytes			141	151	21	11		
MW-66	W66M2A	04/27/00	IM40HD	{ND on all 1} analytes			141	151	21	11		
MW-66	W66M2A	04/27/00	IM40HG	{ND on all 1} analytes			141	151	21	11		
MW-66	W66M2A	04/27/00	IM40MB	BORON	8.8	UG/L	141	151	21	11	600	
MW-66	W66M2A	04/27/00	IM40MB	CALCIUM	1520	UG/L	141	151	21	11		
MW-66	W66M2A	04/27/00	IM40MB	MAGNESIUM	1040	UG/L	141	151	21	11		
MW-66	W66M2A	04/27/00	IM40MB	MANGANESE	2.2	UG/L	141	151	21	11		
MW-66	W66M2A	04/27/00	IM40MB	POTASSIUM	586 J	UG/L	141	151	21	11		
MW-66	W66M2A	04/27/00	IM40MB	SODIUM	5680	UG/L	141	151	21	11	20000	
MW-66	W66M2A	04/27/00	OC21B	{ND on all 64} analytes			141	151	21	11		
MW-66	W66M2A	04/27/00	OC21V	CHLOROFORM	2	UG/L	141	151	21	11	80	
MW-66	W66M2A	04/27/00	OL21P	{ND on all 28} analytes			141	151	21	11		
MW-66	W66M2A	04/27/00	TOC	{ND on all 1} analytes			141	151	21	11		
MW-66	W66M2A	07/09/02	E314.0	PERCHLORATE	0.72 J	UG/L	141	151	21	11		
MW-66	W66M2A	01/30/03	E314.0	PERCHLORATE	1.6 J	UG/L	141	151	21	11		
MW-66	W66M2A	04/03/03	E314.0	PERCHLORATE	1 J	UG/L	141	151	21	11		
MW-66	W66M2A	10/02/03	E314.0	PERCHLORATE	1.9 J	UG/L	141	151	21	11		
MW-66	W66M2D	10/02/03	E314.0	PERCHLORATE	1.8 J	UG/L	141	151	21	11		
MW-66	W66M2A	04/23/04	E314.0	PERCHLORATE	2.3 J	UG/L	141	151	21	11		
MW-66	W66M2D	04/23/04	E314.0	PERCHLORATE	2.3 J	UG/L	141	151	21	11		
MW-66	W66M2A	05/10/04	E314.0	PERCHLORATE	1.5 J	UG/L	141	151	21	11		
MW-66	W66M2A	08/31/04	E314.0	PERCHLORATE	1.3 J	UG/L	141	151	21	11		
MW-66	W66M2A	03/18/05	E314.0	PERCHLORATE	1.12	UG/L	141	151	21	11		
MW-66	W66M2D	03/18/05	E314.0	PERCHLORATE	1.14	UG/L	141	151	21	11		
MW-66	W66M2A	05/20/05	E314.0	PERCHLORATE	1	UG/L						
MW-66	W66M1A	10/20/99	300.0	CHLORIDE (AS CL)	7.4	MG/L	228	238	109	99		
MW-66	W66M1A	10/20/99	300.0	SULFATE (AS SO4)	4.5	MG/L	228	238	109	99		
MW-66	W66M1A	10/20/99	310.1	ALKALINITY, BICARBONATE (AS CACO3)	8	MG/L	228	238	109	99		
MW-66	W66M1A	10/20/99	310.1	ALKALINITY, TOTAL (AS CACO3)	8	MG/L	228	238	109	99		

Table A-3

Groundwater Analytical Detections (MW-65 and MW-66)
Gun and Mortar Postions

WELL ID	AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	Units	SBD	SED	BWTE	BWTS	MCL/HA	Excd
MW-66	W66M1A	10/20/99	350.2M	{ND on all 1} analytes			228	238	109	99		
MW-66	W66M1A	10/20/99	353.2M	NITRATE/NITRITE (AS N)	0.03	MG/L	228	238	109	99	10	
MW-66	W66M1A	10/20/99	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS	0.03	MG/L	228	238	109	99		
MW-66	W66M1A	10/20/99	504	{ND on all 1} analytes			228	238	109	99		
MW-66	W66M1A	10/20/99	8021W	{ND on all 1} analytes			228	238	109	99		
MW-66	W66M1A	10/20/99	8151	{ND on all 18} analytes			228	238	109	99		
MW-66	W66M1A	10/20/99	8330N	{ND on all 19} analytes			228	238	109	99		
MW-66	W66M1A	10/20/99	CYAN	{ND on all 1} analytes			228	238	109	99		
MW-66	W66M1A	10/20/99	IM40HD	{ND on all 1} analytes			228	238	109	99		
MW-66	W66M1A	10/20/99	IM40HG	{ND on all 1} analytes			228	238	109	99		
MW-66	W66M1A	10/20/99	IM40MB	BORON	7.6	UG/L	228	238	109	99	600	
MW-66	W66M1A	10/20/99	IM40MB	CALCIUM	2020	UG/L	228	238	109	99		
MW-66	W66M1A	10/20/99	IM40MB	MAGNESIUM	1090	UG/L	228	238	109	99		
MW-66	W66M1A	10/20/99	IM40MB	MANGANESE	3	UG/L	228	238	109	99		
MW-66	W66M1A	10/20/99	IM40MB	POTASSIUM	636	UG/L	228	238	109	99		
MW-66	W66M1A	10/20/99	IM40MB	SODIUM	5790	UG/L	228	238	109	99	20000	
MW-66	W66M1A	10/20/99	OC21B	{ND on all 64} analytes			228	238	109	99		
MW-66	W66M1A	10/20/99	OC21V	CHLOROFORM	1	UG/L	228	238	109	99	80	
MW-66	W66M1A	10/20/99	OL21P	{ND on all 28} analytes			228	238	109	99		
MW-66	W66M1A	10/20/99	TOC	{ND on all 1} analytes			228	238	109	99		
MW-66	W66M1A	02/09/00	300.0	CHLORIDE (AS CL)	7.3	MG/L	228	238	109	99		
MW-66	W66M1A	02/09/00	300.0	SULFATE (AS SO4)	4.5	MG/L	228	238	109	99		
MW-66	W66M1A	02/09/00	310.1	ALKALINITY, BICARBONATE (AS CACO3)	8	MG/L	228	238	109	99		
MW-66	W66M1A	02/09/00	310.1	ALKALINITY, TOTAL (AS CACO3)	8	MG/L	228	238	109	99		
MW-66	W66M1A	02/09/00	350.2M	{ND on all 1} analytes			228	238	109	99		
MW-66	W66M1A	02/09/00	353.2M	NITRATE/NITRITE (AS N)	0.04	MG/L	228	238	109	99	10	
MW-66	W66M1A	02/09/00	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS	0.04	MG/L	228	238	109	99		
MW-66	W66M1A	02/09/00	504	{ND on all 1} analytes			228	238	109	99		
MW-66	W66M1A	02/09/00	8021W	{ND on all 1} analytes			228	238	109	99		
MW-66	W66M1A	02/09/00	8151	{ND on all 18} analytes			228	238	109	99		
MW-66	W66M1A	02/09/00	8330N	{ND on all 19} analytes			228	238	109	99		
MW-66	W66M1A	02/09/00	CYAN	{ND on all 1} analytes			228	238	109	99		
MW-66	W66M1A	02/09/00	IM40HD	{ND on all 1} analytes			228	238	109	99		
MW-66	W66M1A	02/09/00	IM40HG	{ND on all 1} analytes			228	238	109	99		
MW-66	W66M1A	02/09/00	IM40MB	BORON	7.4	UG/L	228	238	109	99	600	
MW-66	W66M1A	02/09/00	IM40MB	CALCIUM	2100	UG/L	228	238	109	99		
MW-66	W66M1A	02/09/00	IM40MB	MAGNESIUM	1210	UG/L	228	238	109	99		
MW-66	W66M1A	02/09/00	IM40MB	MANGANESE	1.2	UG/L	228	238	109	99		
MW-66	W66M1A	02/09/00	IM40MB	MOLYBDENUM	0.92 J	UG/L	228	238	109	99	10	
MW-66	W66M1A	02/09/00	IM40MB	POTASSIUM	697 J	UG/L	228	238	109	99		

Table A-3

Groundwater Analytical Detections (MW-65 and MW-66)
Gun and Mortar Postions

WELL ID	AMEC ID	DATE SAMPLED	METHOD	ANALYTE	CONC	Units	SBD	SED	BWTE	BWTS	MCL/HA	Excd
MW-66	W66M1A	02/09/00	IM40MB	SODIUM	6080	UG/L	228	238	109	99	20000	
MW-66	W66M1A	02/09/00	OC21B	DIETHYL PHTHALATE	0.4 J	UG/L	228	238	109	99	5000	
MW-66	W66M1A	02/09/00	OC21V	CHLOROFORM	1	UG/L	228	238	109	99	80	
MW-66	W66M1A	02/09/00	OL21P	{ND on all 28} analytes			228	238	109	99		
MW-66	W66M1A	02/09/00	TOC	{ND on all 1} analytes			228	238	109	99		
MW-66	W66M1A	04/27/00	300.0	CHLORIDE (AS CL)	8	MG/L	228	238	109	99		
MW-66	W66M1A	04/27/00	300.0	SULFATE (AS SO4)	4.1	MG/L	228	238	109	99		
MW-66	W66M1A	04/27/00	310.1	ALKALINITY, BICARBONATE (AS CACO3)	8	MG/L	228	238	109	99		
MW-66	W66M1A	04/27/00	310.1	ALKALINITY, TOTAL (AS CACO3)	8	MG/L	228	238	109	99		
MW-66	W66M1A	04/27/00	350.2M	{ND on all 1} analytes			228	238	109	99		
MW-66	W66M1A	04/27/00	353.2M	NITRATE/NITRITE (AS N)	0.04	MG/L	228	238	109	99	10	
MW-66	W66M1A	04/27/00	365.2	PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS	0.04	MG/L	228	238	109	99		
MW-66	W66M1A	04/27/00	504	{ND on all 1} analytes			228	238	109	99		
MW-66	W66M1A	04/27/00	8021W	{ND on all 1} analytes			228	238	109	99		
MW-66	W66M1A	04/27/00	8151	CHLORAMBEN	0.21 J	UG/L	228	238	109	99	100	
MW-66	W66M1A	04/27/00	8330N	{ND on all 19} analytes			228	238	109	99		
MW-66	W66M1A	04/27/00	CYAN	{ND on all 1} analytes			228	238	109	99		
MW-66	W66M1A	04/27/00	IM40HD	{ND on all 1} analytes			228	238	109	99		
MW-66	W66M1A	04/27/00	IM40HG	{ND on all 1} analytes			228	238	109	99		
MW-66	W66M1A	04/27/00	IM40MB	ARSENIC	2.7 J	UG/L	228	238	109	99	50	
MW-66	W66M1A	04/27/00	IM40MB	BORON	8.8	UG/L	228	238	109	99	600	
MW-66	W66M1A	04/27/00	IM40MB	CALCIUM	2040	UG/L	228	238	109	99		
MW-66	W66M1A	04/27/00	IM40MB	MAGNESIUM	1170	UG/L	228	238	109	99		
MW-66	W66M1A	04/27/00	IM40MB	MANGANESE	1.2 J	UG/L	228	238	109	99		
MW-66	W66M1A	04/27/00	IM40MB	POTASSIUM	534 J	UG/L	228	238	109	99		
MW-66	W66M1A	04/27/00	IM40MB	SODIUM	6280	UG/L	228	238	109	99	20000	
MW-66	W66M1A	04/27/00	OC21B	{ND on all 64} analytes			228	238	109	99		
MW-66	W66M1A	04/27/00	OC21V	CHLOROFORM	1	UG/L	228	238	109	99	80	
MW-66	W66M1A	04/27/00	OL21P	{ND on all 28} analytes			228	238	109	99		
MW-66	W66M1A	04/27/00	TOC	{ND on all 1} analytes			228	238	109	99		
MW-66	W66M1A	07/09/02	E314.0	{ND on all 1} ama;ute			228	238	109	99		
MW-66	W66M1A	08/31/04	E314.0	{ND on all 1} analyte			228	238	109	99		

Notes:

J = Estimated concentration
B = Blank
CONC = Concentration
SBD = Sample Begin Depth (feet bgs)
SED = Sample End Depth (feet bgs)
BWTE = Below Water Table Elevation in feet
BWTS = Below Water Table Surface in feet
MCL/HA = Maximum Contaminant Level or Health Advisory
PRG = Preliminary Remediation Goal

Table A-4: GUN POSITION GP-16 ANOMALY FINDINGS

SEQ #	ANOMALY #	DESCRIPTION	DEPTH	DISPOSITION	COMMENTS
1	M135	2 ammunition box bail clips, 2 cans & can rims, 2 communication wire (9", 14")	1, 2, 9-inches	Scrap	
2	E182	ball of communication wire (approx 5 feet)	4-inches	Scrap	
3	M179	3 rocks; 2 pieces communication wire (14", 4")	3-inches	Scrap	
4	E201	communication wire (4")	3-inches	Scrap	
5	M113	expended artillery primer, expended 7.62mm blank, can parts	1 foot	Scrap	
6	M204	can rim	9-inches	Scrap	
7	E112	communication wire (6")	3-inches	Scrap	
8	E205	rock, 1/4-inch diameter iron rod (1.5 inch)	6-inches	Scrap	
9	M200	rock	surface	Left in place	
10	M195	11 rocks	6-inches	Left in place	
11	M089	rock	4-inches	Left in place	
12	M095	rock	6-inches	Left in place	
13	E165	2 rocks	4-inches	Left in place	
14	E177	communication wire (18")	6-inches	Scrap	
15	M070	rock	8-inches	Left in place	
16	M149	fuze container cap; oxidized metal powder (~1 cup)	15-inches	Scrap	
17	M112	210 5.56mm Blank Ctg., M200	6-inches	SHA	EOIR# A11040301
18	M152	3 Cans	8-inches	Scrap	
19	E107	Communication Wire 14"	3-inches	Scrap	
20	M144	Can	1 foot	Scrap	
21	M163	2 Cans	1 foot	Scrap	
22	E128	Nail	3-inches	Scrap	
23	E116	Nail	1-inch	Scrap	
24	E200	Communication Wire (20")	surface	Scrap	
25	M129	Communication Wire (15")	3-inches	Scrap	
26	E170	Iron Bar (7")	6-inches	Scrap	
27	M171	End Cap-Iron	3-inches	Scrap	
28	E109	2 Iron Rods (3", 8")	3-inches	Scrap	
29	M105	Rock	2-inches	Left in place	
30	E207	5.56mm blank cartridges (3)	2-inches	Scrap	MINEX detector used
31	M118	Rock	6-inches	Left in place	
32	M201	Rock	3-inches	Left in place	
33	M060	Iron can parts	10-inches	Scrap	
34	M131	Battery D-Cell	surface	Scrap	
35	E143	Communication Wire (6")	surface	Scrap	
36	E141	2 Communication Wires, knotted (4")	surface	Scrap	
37	E186	Iron Wire (1')	3-inches	Scrap	
38	E175	Padlock Bail Loop	3-inches	Scrap	
39	E168	Rock	8-inches	Left in place	
40	M185	5 Iron Wire Pieces (12" total length)	6-inches	Scrap	
41	E078	Projectile Lifting Lug	3-inches	Scrap	
42	M193	Rock	1 foot	Left in place	
43	M160	Can	1 foot	Scrap	
44	E183	Aluminum Tent Peg	6-inches	Scrap	MINEX detector used
45	M122	Communication Wire (4.5')	surface	Scrap	
46	E198	Can	6-inches	Scrap	
47	M198	Box Banding Wire	1-inch	Scrap	
48	E166	Iron Carriage Bolt (5")	6-inches	Scrap	
49	M178	Wire (6")	8-inches	Scrap	

Table A-4: GUN POSITION GP-16 ANOMALY FINDINGS

SEQ #	ANOMALY #	DESCRIPTION	DEPTH	DISPOSITION	COMMENTS
50	E082	Iron Pole Tip	1.5-inches	Scrap	
51	M139	Rock	8-inches	Left in place	
52	M196	2 Wire pieces	2-inches	Scrap	
53	M176	Wire (17")	4-inches	Scrap	
54	M191	Wire (24")	6-inches	Scrap	
55	E154	Communication Wire (3")	6-inches	Scrap	
56	M151	Wire (5")	1-inch	Scrap	
57	E102	Wire (2")	3-inches	Scrap	
58	M180	Can Pieces	8-inches	Scrap	
59	M153	Wire (12")	6-inches	Scrap	
60	E195	Steel Wire (1")	3-inches	Scrap	
61	E123	Rock	1-inch	Left in place	
62	E101	Tin can rim	6-inches	Scrap	
63	E209	5.56mm blank cartridge, expended	1-inch	Scrap	MINEX detector used
64	M047	Reinforced Concrete	6-inches	Left in place	
65	E118	Metal Debris	6-inches	Scrap	
66	E199	Nail	6-inches	Scrap	
67	E146	Nail	3-inches	Scrap	
68	E100	Nail	6-inches	Scrap	
69	E104	Metal bracket	6-inches	Scrap	
70	E204	Communication Wire (4')	surface	Scrap	
71	M168	Nail	8-inches	Scrap	
72	M143	Communication Wire	surface	Scrap	
73	M182	Communication Wire	surface	Scrap	
74	E180	Metal Can Piece	surface	Scrap	
75	E106	Wire (4")	6-inches	Scrap	
76	E126	Communication Wire (10")	6-inches	Scrap	
77	E184	Communication Wire, knotted	10-inches	Scrap	
78	E144	Communication Wire (3")	8-inches	Scrap	
79	M128	Bailing Wire	6-inches	Scrap	
80	E149	Shipping Plug	6-inches	Scrap	
81	E190	Communication Wire	8-inches	Scrap	
82	E203	Bolt	8-inches	Scrap	
83	M097	Fuze Shipping Ring	4-inches	Scrap	
84	M125	Rock	8-inches	Scrap	
85	M183	7.62mm Links	3-inches	Scrap	
86	E119	Communication Wire (4")	9-inches	Scrap	
87	E158	Fuze Shipping Support Ring	9-inches	Scrap	
88	E092	Fuze Shipping Support Ring	8-inches	Scrap	
89	M087	Rock	8-inches	Left in place	
90	E122	Communication Wire	6-inches	Scrap	
91	M048	OE Related Scrap	16-inches	Scrap	
92	E162	Communication Wire (14")	4-inches	Scrap	
93	M075	Communication Wire	3-inches	Scrap	
94	E151	Iron Wire and Aluminum Bar	6-inches	Scrap	
95	E197	Washer	3-inches	Scrap	
96	M059	Metal Pin Flag Shank	8-inches	Scrap	
97	E121	Shipping Lug	8-inches	Scrap	
98	M121	Can Pieces	4-inches	Scrap	
99	E093	Metal Bar	4-inches	Scrap	
100	M156	Rock	8-inches	Scrap	
101	E105	Fuze Shipping Ring and Round Stabilizing Clip	3-inches	Scrap	
102	E142	Communication Wire (7")	3-inches	Scrap	
103	M103	Bailing Wire	6-inches	Scrap	
104	E156	Bailing Wire and Trash	4-inches	Scrap	

Table A-4: GUN POSITION GP-16 ANOMALY FINDINGS

SEQ #	ANOMALY #	DESCRIPTION	DEPTH	DISPOSITION	COMMENTS
105	E150	Nail	4-inches	Scrap	
106	M117	Communication Wire, knotted (60')	9-inches	Scrap	
107	M147	Communication Wire (4")	4-inches	Scrap	
108	E179	Nail	3-inches	Scrap	
109	E211	Wire (3")	8-inches	Scrap	
110	M134	Wire and Corroded Alloy Metal	12-inches	Scrap	
111	M186	Rock	8-inches	Left in place	
112	M159	Can Piece	3-inches	Scrap	
113	M187	Rock	6-inches	Left in place	
114	M192	Can Pieces	6-inches	Scrap	
115	E132	Projectile Shipping Lug	3-inches	Scrap	
116	E115	Can Pieces	3-inches	Scrap	
117	E135	Projectile Shipping Lug	3-inches	Scrap	
118	E097	Projectile Shipping Lug	surface	Scrap	
119	M140	Communication Wire	2-inches	Scrap	
120	E089	Welding Rod	surface	Scrap	
121	M079	Can Piece	3-inches	Scrap	
122	E187	Can Piece	surface	Scrap	
123	E174	Can Pieces	6-inches	Scrap	
124	E120	Staple	6-inches	Scrap	
125	M181	Plastic-Coated Spring (7")	3-inches	Scrap	
126	E196	Bolt	3-inches	Scrap	
127	E137	Wire	3-inches	Scrap	
128	M150	Rock	3-inches	Left in place	
129	M155	Grenade Spoon Piece	6-inches	Scrap	
130	M082	Bailing Wire (24") and Can Pieces	10-inches	Scrap	Signs of Burn/ Sampled
131	E185	Wire	4-inches	Scrap	
132	E114	Projectile Shipping Lug	6-inches	Scrap	
133	M084	Can Lid	4-inches	Scrap	
134	E108	Fuze Retaining Clip	6-inches	Scrap	
135	M188	Steel Wire	3-inches	Scrap	
136	M071	Can Piece	3-inches	Scrap	
137	M064	Surveyor Nail	3-inches	Scrap	
138	M130	Threaded Rod	3-inches	Scrap	
139	M174	Ammo Box Clip	3-inches	Scrap	
140	M133	Rock	3-inches	Left in place	
141	M062	Concrete Slab	surface	Left in place	
142	M203	Bolt	6-inches	Scrap	
143	M110	Fuze Can Pieces	6-inches	Scrap	
144	M081	Tin Can Pieces	6-inches	Scrap	
145	M157	Fuze Can Pieces	4-inches	Scrap	
146	E136	Welding Rod	6-inches	Scrap	
147	M114	Shipping Plug	3-inches	Scrap	
148	M175	Fuze Shipping Support and Communication Wire	4-inches	Scrap	
149	M194	Wire	surface	Scrap	
150	M073	Wire	surface	Scrap	
151	E077	Fuze Can Pieces	8-inches	Scrap	
152	E147	Nail in wood	surface	Scrap	
153	M061	Fuze Shipping Support	6-inches	Scrap	
154	M161	Fuze Shipping Support	8-inches	Scrap	
155	E117	Fuze Can Pieces	6-inches	Scrap	
156	M074	Metal Flag	1-inch	Scrap	
157	E161	Wire	6-inches	Scrap	
158	E103	Wire	1-inch	Scrap	
159	E176	Rock	5-inches	Left in place	

Table A-4: GUN POSITION GP-16 ANOMALY FINDINGS

SEQ #	ANOMALY #	DESCRIPTION	DEPTH	DISPOSITION	COMMENTS
160	M189	Battery D-Cell	surface	Scrap	
161	E084	Wire	1-inch	Scrap	
162	E163	Nail	4-inches	Scrap	
163	M099	UXO Related Scrap	8-inches	Scrap	
164	M006	2 Communication Wire Pieces (30" Total Length)	4-inches	Scrap	
165	M018	Can Pieces	6-inches	Scrap	
166	M015	Can Lid	2-inches	Scrap	
167	M005	Communication Wire (10") and Banding Material (11")	8-inches	Scrap	
168	M120	Communication Wire (24")	1-inch	Scrap	
169	M104	2 Communication Wires (36")	6-inches	Scrap	
170	M014	7.62mm Link	10-inches	Scrap	
171	M011	7.62mm Links	2-inches	Scrap	
172	M022	Can Piece and Wire (7")	6-inches	Scrap	
173	M184	Communication Wire (2')	2-inches	Scrap	
174	M096	Grenade Pull Ring	2-inches	Scrap	
175	M007	Communication Wire (6')	1-inch	Scrap	
176	M013	Fuze Can Pieces	1-inch	Scrap	
177	M010	Communication Wire (24")	surface	Scrap	
178	E004	Iron Shackle	surface	Scrap	
179	M016	Spring (7")	4-inches	Scrap	
180	E003	Metal Hinge	10-inches	Scrap	
181	E007	Fuze Can Pieces	8-inches	Scrap	
182	M019	5 7.62mm Links	2-inches	Scrap	
183	M017	Communication Wire (10')	surface	Scrap	
184	E006	Wire (12")	surface	Scrap	
185	E172	Rock	surface	Left in place	
186	M158	Nail Spike (8")	4-inches	Scrap	
187	M102	Rock	6-inches	Left in place	
188	M057	Rotating Band Covers, Fuze Cans, Fuze Shipping Support	10-inches	Scrap	
189	E125	Iron Rod (8")	4-inches	Scrap	
190	E192	Metal Can Piece	surface	Scrap	
191	E129	Communication Wire (12")	surface	Scrap	
192	M177	Wire (10")	surface	Scrap	
193	E094	Communication Wire (48")	surface	Scrap	
194	M166	Wire (24")	1-inch	Scrap	
195	E189	Rock	surface	Left in place	
196	M083	Rock	6-inches	Left in place	
197	E210	Rock	2-inches	Left in place	
198	E202	Rock	1-inch	Left in place	
199	E208	Rock	1-inch	Left in place	
200	M202	Battery D-Cell	4-inches	Scrap	
201	E160	Communication Wire (18")	surface	Scrap	
202	E164	Fuze Stabilizer Clip	1-inch	Scrap	
203	E087	Fuze Stabilizer Clip	1-inch	Scrap	
204	E138	Fuze Stabilizer Clip	6-inches	Scrap	
205	M054	Aluminum Cans	12-inches	Scrap	
206	E173	Wire (10")	1-inch	Scrap	
207	M199	Wire (3")	2-inches	Scrap	
208	E111	Communication Wire (36")	1-inch	Scrap	
209	M068	Fuze Can	8-inches	Scrap	
210	E188	Projectile Shipping Plug and Can Piece	surface	Scrap	
211	E153	Fuze Stabilizer Clip	8-inches	Scrap	
212	M162	Communication Wire (24")	6-inches	Scrap	

Table A-4: GUN POSITION GP-16 ANOMALY FINDINGS

SEQ #	ANOMALY #	DESCRIPTION	DEPTH	DISPOSITION	COMMENTS
213	E167	Wire (7")	13-inches	Scrap	
214	M078	Aluminum Can	3-inches	Scrap	
215	E169	Tie Down Device	8-inches	Scrap	
216	M116	Metal Rotating Band Cover	8-inches	Scrap	
217	M154	Wire (4")	surface	Scrap	
218	E140	Can Pieces	surface	Scrap	
219	E157	Communication Wire (6")	surface	Scrap	
220	M021	Nail	2-inches	Scrap	
221	M023	Metal Rod (18")	4-inches	Scrap	
222	M008	Banding Material (24")	4-inches	Scrap	
223	M009	Can Piece	4-inches	Scrap	
224	E008	Wire (24")	surface	Scrap	
225	E009	Communication Wire (15')	surface	Scrap	
226	M020	Can Lid	1-inch	Scrap	
227	E005	Aluminum Can Tab	1-inch	Scrap	MINEX detector used
228	M012	Banding Material (30')	surface	Scrap	
229	E155	Wire (12")	surface	Scrap	
230	E178	Iron Rod	2-inches	Scrap	
231	E139	Aluminum Can	6-inches	Scrap	
232	M169	Can Pieces	surface	Scrap	
233	E133	Shipping Plug	surface	Scrap	
234	E194	Nail	surface	Scrap	
235	M148	Wire (18")	3-inches	Scrap	
236	E085	Flag Wire	surface	Scrap	
237	E159	Wire (6")	3-inches	Scrap	
238	E099	Wire (4")	2-inches	Scrap	
239	E124	Iron Rod	3-inches	Scrap	
240	E134	Wire (9")	4-inches	Scrap	
241	C001A	Rotating band covers (9), powder can top (1)	1 foot		
242	C001	Supplemental charge	1 foot	CDC	
243	C001B	Ferromagnetic rock	1 foot	Left in place	
244	C002	Supplemental charge	1 foot	CDC	
245	C002	Rotating band covers (10), projo lift rings (10)	1 foot		
246	C003	Projo lift rings (28), rotating bands (31)	15-inches	Scrap	
247	C004	Fuze wrenches	1 foot	Scrap	
248	C005	Prop charge cans lids (7), rotating band covers (8), projo lift rings (4)	2 feet	Scrap	
249	C006	Rotating band covers (10), projo lift rings (22), communication wire (10 feet long)	1 foot	Scrap	
250	C007	Rod, threaded	6-inches	Scrap	
251	C008	Grenade rings w/ pins (2), metal washer (1)	3-inches	Scrap	
252	C009	Nail, rebar	6-inches	Scrap	
253	C009A	Projo lift rings	6-inches	Scrap	
254	C009B	Rotating band covers	6-inches	Scrap	
255	C010	Projo lift rings (15), rotating band covers (20), packing cans (12)	18-inches	Scrap	
256	C011	Projo lift rings (9), rotating band covers (10)	18-inches	Scrap	
257	C012	Projo lift rings (29), rotating bands (9)	1 foot	Scrap	
258	C013	Projo lift rings (7), rotating band covers (7)	18-inches	Scrap	
259	C014	Fuze wrenches (25), wire, cans	18-inches	Scrap	

Table A-4: GUN POSITION GP-16 ANOMALY FINDINGS

SEQ #	ANOMALY #	DESCRIPTION	DEPTH	DISPOSITION	COMMENTS
260	C015	Projo lift rings	1 foot	Scrap	
261	C016	Rotating band covers	6-inches	Scrap	
262	C017	Wire	surface	Scrap	
263	C018	Projo lift rings (20), rotating band covers (20), cans	18-inches	Scrap	
264	C019	Projo lift rings	6-inches	Scrap	
265	C020	Projo lift rings	6-inches	Scrap	
266	C021	Fuze wrenches (20), aluminum nose plug	1 foot	Scrap	
267	C022	Ferromagnetic rock	2-inches	Left in place	
268	C023	Fuze wrenches (25), wire, cans	1 foot	Scrap	
269	C024	Fuze wrenches	1 foot	Scrap	
270	C025	Rotating band cover	1 foot	Scrap	
271	C026	Fuze wrenches (10), trash, rubber spacers	1 foot	Scrap	
272	C027	Tent stake	3-inches	Scrap	
273	C028	Wire	2-inches	Scrap	
274	C029	Metal stake	3-inches	Scrap	
275	C030	Prop charge can lids (6), projo lift rings (25), rotating band covers (25)	3 feet	Scrap	
276	C031	Steel pipe	6-inches	Scrap	
277	C032	Rotating band covers	1 foot	Scrap	
278	C033	Rotating band covers (20), tin cans	1 foot	Scrap	
279	C034	Rotating band covers	6-inches	Scrap	
280	C035	Spikes (nails)	6-inches	Scrap	
281	C036	Fuze wrenches	6-inches	Scrap	
282	C037	Ferromagnetic rock	18-inches	Left in place	
283	C038	Projo lift rings (23), rotating band cover (11)	1 foot	Scrap	
284	C039	Tent stake, cans (5), communication wire (5 feet long)	1 foot	Scrap	
285	C040	Fuze wrench, welding rod	6-inches	Scrap	
286	C041	Rotating band cover (3), projo lift ring (2)	6-inches	Scrap	
287	C042	Projo lift rings (10), rotating band covers (15)	1 foot	Scrap	
288	C043	Fuze wrenches	1 foot	Scrap	
289	C044	Fuze wrenches (5), tin cans	1 foot	Scrap	
290	C045	Cans, trash	1 foot	Scrap	
291	C046	Soda and beer cans, wire	1 foot	Scrap	
292	C047	Projo lift ring	3-inches	Scrap	
293	C048	Fuze wrench	2-inches	Scrap	
294	C049	Projo lift rings (25), cans	1 foot	Scrap	
295	C050	Projo lift rings	6-inches	Scrap	
296	C051	Rotating band cover	surface	Scrap	
297	C052	Spool communication wire	6-inches	Scrap	
298	C053	Communication wire	4-inches	Scrap	
299	C054	Projo lift ring	1-inch	Scrap	
300	C055A	Communication wire	1-inch	Scrap	
301	C055B	Wire	1-inch	Scrap	
302	C056	Rotating band cover	1 foot	Scrap	
303	C058A	Concrete slab w/ rebar	surface	Left in place	
304	C059	Re-bar (1/2 inch X 20 inches long), nails, wire	6-inches	Scrap	
305	C060	Steel pipe	surface	Scrap	
306	C061	Steel pipe	surface	Scrap	

Table A-4: GUN POSITION GP-16 ANOMALY FINDINGS

SEQ #	ANOMALY #	DESCRIPTION	DEPTH	DISPOSITION	COMMENTS
307	C062	Projo lift ring (9), rotating bands (9), packing cans (9)	2 feet	Scrap	
308	C063	Fuze wrenches (14), cans (3), communication wire (15 feet long)	1 foot	Scrap	
309	C064	Rotating band covers (40), projo lift rings (4)	1 foot	Scrap	
310	C065	Fuze wrenches (5), projo lift ring (1)	6-inches	Scrap	
311	C066	Projo lift ring (1), scrap	6-inches	Scrap	
312	C067	Projo lift rings	6-inches	Scrap	
313	C068	Projo lift rings (15), rotating band covers (10)	1 foot	Scrap	
314	C069	Steel rod	surface	Scrap	
315	C070	Surveyor spike	surface	Scrap	
316	C071	Projo lift rings (3), rotating band cover (1)	8-inches	Scrap	
317	C072	Tin can (partial)	4-inches	Scrap	
318	C073	Fuze wrench	1-inch	Scrap	
319	C074	Ferromagnetic rock (Hot Rock)	2-inches	Left in place	
320	C075	Fuze wrench (1), nails	1 foot	Scrap	
321	C076	Aluminum can (1), C-ration cans	6-inches	Scrap	
322	C077	Web belt clip	surface	Scrap	
323	C078	7.62mm links	4-inches	Scrap	
324	C078	Steel rod	4-inches	Scrap	
325	C079	Steel rod	surface	Scrap	
326	C080	Aluminum cans (12), C-ration cans (10)	15-inches	Scrap	
327	C081	Projo lift ring	surface	Scrap	
328	C082	Fuze wrench (1), C-ration cans	6-inches	Scrap	
329	C083	Steel banding material	8-inches	Scrap	
330	C084	Projo lift rings (3), rotating band covers (4), C-ration cans	6-inches	Scrap	
331	E002	Projo lift rings	3-inches	Scrap	
332	E024	Projo lift rings (2), rotating band covers (4)	18-inches	Scrap	
333	E029	Cans (8), prop charge can lid (1), bottles (3)	18-inches	Scrap	
334	E037	Tent stake	4-inches	Scrap	
335	E039	Fuze wrenches (4), cans	1 foot	Scrap	
336	E040	Projo lift rings (5), rotating band covers (8), steel banding material	6-inches	Scrap	
337	E053	Ferromagnetic rock (Hot Rock)	4-inches	Left in place	
338	E055	Communication wire	surface	Scrap	
339	E064	6-penny nails	2-inches	Scrap	
340	E066	Fuze wrench	6-inches	Scrap	
341	E074	Projo lift ring	6-inches	Scrap	
342	E083	Projo lift rings (7), wire, cans	1 foot	Scrap	
343	E130	Fuze wrench	surface	Scrap	
344	M001	Fence post picket	3 feet	Scrap	
345	M005	Cable	1 foot	Scrap	
346	M011	Metal pin flag	1-inch	Scrap	
347	M020	Communication wire	2-inches	Scrap	
348	M023	Rotating band covers (4), projo lift rings (4), packing cans (10)	6-inches	Scrap	
349	M024	Rotating band covers (3), cans	1 foot	Scrap	
350	M029	Beer cans	6-inches	Scrap	
351	M035	Rotating band covers	1 foot	Scrap	

Table A-4: GUN POSITION GP-16 ANOMALY FINDINGS

SEQ #	ANOMALY #	DESCRIPTION	DEPTH	DISPOSITION	COMMENTS
352	M036	Rotating band covers	1 foot	Scrap	
353	M039	Rotating band covers	6-inches	Scrap	
354	M042	Rotating band covers	1 foot	Scrap	
355	E075	Aluminum tent stake	6-inches	Scrap	
356	C001T	C-ration cans, scrap	6-inches	Scrap	
357	E002T	Phone cable (15 feet x 3/4 inch), banding (100 feet x 1 inch)	6-inches	Scrap	
358	M002T	Screws (2), scrap	6-inches	Scrap	
359	M003T	Steel cable	6-inches	Scrap	
360	M004T	Steel cable	6-inches	Scrap	

Table A-5
Northwest Corner Supplemental Soil Sample Results
Perchlorate

Description	Locid	FldSampid	LogDate	SBD	SED	Method	Analyte	Result Value	PARVQ	Lab QAPP Flags	EPA Flags	MDL	RL	Units
30 point Multi Increment soil samples	SS199D	SS199DMISA01	16-Apr-08	0	0.5	SW6850	PERCHLORATE	0	ND	U		0.6	0.8	UG/KG
	SS199D	SS199DMISA02	16-Apr-08	1.5	2	SW6850	PERCHLORATE	0	ND	U		0.6	0.8	UG/KG
	SS199E	SS199EMISA01	16-Apr-08	0	0.5	SW6850	PERCHLORATE	0	ND	U		0.6	0.8	UG/KG
	SS199E	SS199EMISA01_R1	16-Apr-08	0	0.5	SW6850	PERCHLORATE	0	ND	U		0.6	0.8	UG/KG
	SS199E	SS199EMISA01_R2	16-Apr-08	0	0.5	SW6850	PERCHLORATE	0	ND	U		0.6	0.8	UG/KG
	SS199E	SS199EMISA02	16-Apr-08	1.5	2	SW6850	PERCHLORATE	0	ND	U		0.6	0.8	UG/KG
	SS199F	SS199FMISA01	16-Apr-08	0	0.5	SW6850	PERCHLORATE	0	ND	U		0.6	0.8	UG/KG
	SS199F	SS199FMISA02	16-Apr-08	1.5	2	SW6850	PERCHLORATE	0.79	TR	J		0.6	0.8	UG/KG
	SS199G	SS199GMISA01	15-Apr-08	0	0.5	SW6850	PERCHLORATE	0	ND	U		0.6	0.8	UG/KG
	SS199G	SS199GMISA01_R1	15-Apr-08	0	0.5	SW6850	PERCHLORATE	0	ND	U		0.6	0.8	UG/KG
	SS199G	SS199GMISA01_R2	15-Apr-08	0	0.5	SW6850	PERCHLORATE	0	ND	U		0.6	0.8	UG/KG
	SS199G	SS199GMISA02	15-Apr-08	1.5	2	SW6850	PERCHLORATE	0	ND	U		0.6	0.8	UG/KG
	SS199M	SS199MMISA01	15-Apr-08	0	0.5	SW6850	PERCHLORATE	0	ND	U		0.6	0.8	UG/KG
	SS199M	SS199MMISA02	15-Apr-08	1.5	2	SW6850	PERCHLORATE	0	ND	U		0.6	0.8	UG/KG
	SS199N	SS199NMISA01	15-Apr-08	0	0.5	SW6850	PERCHLORATE	0	ND	U		0.6	0.8	UG/KG
	SS199N	SS199NMISA02	15-Apr-08	1.5	2	SW6850	PERCHLORATE	0	ND	U		0.6	0.8	UG/KG
	SS200A	SS200AMISA01	17-Apr-08	0	0.5	SW6850	PERCHLORATE	0	ND	U		0.6	0.8	UG/KG
	SS200A	SS200AMISA02	17-Apr-08	1.5	2	SW6850	PERCHLORATE	0	ND	U		0.6	0.8	UG/KG
	SS200B	SS200BMISA01	17-Apr-08	0	0.5	SW6850	PERCHLORATE	1.1	=			0.6	0.8	UG/KG
	SS200B	SS200BMISA02	17-Apr-08	1.5	2	SW6850	PERCHLORATE	0	ND	U		0.6	0.8	UG/KG
	SS200D	SS200DMISA01	17-Apr-08	0	0.5	SW6850	PERCHLORATE	0	ND	U		0.6	0.8	UG/KG
	SS200D	SS200DMISA02	17-Apr-08	1.5	2	SW6850	PERCHLORATE	0	ND	U		0.6	0.8	UG/KG

Table A-6
Northwest Corner Groundwater Data Summary Table
June 2005 to December 2008

Analyte	Frequency of Detections			Maximum Detected Concentration[1]		Units
ALUMINUM	0	of	8			UG/L
ANTIMONY	0	of	8			UG/L
ARSENIC	0	of	8			UG/L
BARIUM	1	of	8	7.2	J	UG/L
BERYLLIUM	0	of	8			UG/L
BORON	0	of	8			UG/L
CADMIUM	0	of	8			UG/L
CALCIUM	5	of	8	1860	J	UG/L
CHROMIUM, TOTAL	1	of	8	1.5	J	UG/L
COBALT	0	of	8			UG/L
COPPER	0	of	8			UG/L
IRON	0	of	8			UG/L
LEAD	0	of	8			UG/L
MAGNESIUM	4	of	8	1470	J	UG/L
MANGANESE	4	of	8	8	J	UG/L
MOLYBDENUM	0	of	8			UG/L
NICKEL	0	of	8			UG/L
POTASSIUM	2	of	8	967	J	UG/L
SELENIUM	1	of	8	4.1	J	UG/L
SILVER	0	of	8			UG/L
SODIUM	8	of	8	7130		UG/L
THALLIUM	2	of	8	0.24	J	UG/L
VANADIUM	0	of	8			UG/L
ZINC	0	of	8			UG/L
MERCURY	0	of	8			UG/L
1,1,1-TRICHLOROETHANE	0	of	8			UG/L
1,1,2,2-TETRACHLOROETHANE	0	of	8			UG/L
1,1,2-TRICHLOROETHANE	0	of	8			UG/L
1,1-DICHLOROETHANE	0	of	8			UG/L
1,1-DICHLOROETHENE	0	of	8			UG/L
1,2,4-TRICHLOROBENZENE	0	of	8			UG/L
1,2-DIBROMO-3-CHLOROPROPANE	0	of	8			UG/L
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0	of	8			UG/L
1,2-DICHLOROBENZENE	0	of	8			UG/L
1,2-DICHLOROETHANE	0	of	8			UG/L
1,2-DICHLOROPROPANE	0	of	8			UG/L
1,3-DICHLOROBENZENE	0	of	8			UG/L
1,4-DICHLOROBENZENE	0	of	8			UG/L
2-CHLOROETHYL VINYL ETHER	0	of	8			UG/L
2-HEXANONE	0	of	8			UG/L
ACETONE	0	of	8			UG/L
BENZENE	0	of	8			UG/L
BROMOCHLOROMETHANE	0	of	8			UG/L
BROMODICHLOROMETHANE	0	of	8			UG/L
BROMOFORM	0	of	8			UG/L
BROMOMETHANE	0	of	8			UG/L

Table A-6
Northwest Corner Groundwater Data Summary Table
June 2005 to December 2008

Analyte	Frequency of Detections			Maximum Detected Concentration[1]		Units
CARBON DISULFIDE	0	of	8			UG/L
CARBON TETRACHLORIDE	0	of	8			UG/L
CHLOROBENZENE	0	of	8			UG/L
CHLOROETHANE	0	of	8			UG/L
CHLOROFORM	8	of	8	2		UG/L
CHLOROMETHANE	3	of	8	0.4	J	UG/L
cis-1,2-DICHLOROETHYLENE	0	of	8			UG/L
cis-1,3-DICHLOROPROPENE	0	of	8			UG/L
DIBROMOCHLOROMETHANE	0	of	8			UG/L
DIBROMOMETHANE	0	of	8			UG/L
ETHYLBENZENE	0	of	8			UG/L
METHYL ETHYL KETONE (2-BUTANONE)	0	of	8			UG/L
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0	of	8			UG/L
METHYLENE CHLORIDE	0	of	8			UG/L
STYRENE	0	of	8			UG/L
tert-BUTYL METHYL ETHER	0	of	8			UG/L
TETRACHLOROETHYLENE(PCE)	0	of	8			UG/L
TOLUENE	0	of	8			UG/L
trans-1,2-DICHLOROETHENE	0	of	8			UG/L
trans-1,3-DICHLOROPROPENE	0	of	8			UG/L
TRICHLOROETHYLENE (TCE)	0	of	8			UG/L
VINYL ACETATE	0	of	8			UG/L
VINYL CHLORIDE	0	of	8			UG/L
XYLENES, TOTAL	0	of	8			UG/L
PERCHLORATE	200	of	344	24.4		UG/L
1,2,4-TRICHLOROBENZENE	0	of	8			UG/L
1,2-DICHLOROBENZENE	0	of	8			UG/L
1,3-DICHLOROBENZENE	0	of	8			UG/L
1,4-DICHLOROBENZENE	0	of	8			UG/L
2,2'-OXYBIS(1-CHLORO)PROPANE	0	of	8			UG/L
2,4,5-TRICHLOROPHENOL	0	of	8			UG/L
2,4,6-TRICHLOROPHENOL	0	of	8			UG/L
2,4-DICHLOROPHENOL	0	of	8			UG/L
2,4-DIMETHYLPHENOL	0	of	8			UG/L
2,4-DINITROPHENOL	0	of	8			UG/L
2,4-DINITROTOLUENE	0	of	8			UG/L
2,6-DINITROTOLUENE	0	of	8			UG/L
2-CHLOROBENZALDEHYDE	0	of	8			UG/L
2-CHLOROBENZOIC ACID	0	of	5			UG/L
2-CHLORONAPHTHALENE	0	of	8			UG/L
2-CHLOROPHENOL	0	of	8			UG/L
2-METHYL-3-NITROANILINE	0	of	8			UG/L
2-METHYLNAPHTHALENE	0	of	8			UG/L
2-METHYLPHENOL (o-CRESOL)	0	of	8			UG/L
2-NITROANILINE	0	of	8			UG/L
2-NITRODIPHENYLAMINE	0	of	8			UG/L

Table A-6
Northwest Corner Groundwater Data Summary Table
June 2005 to December 2008

Analyte	Frequency of Detections			Maximum Detected Concentration[1]		Units
2-NITROPHENOL	0	of	8			UG/L
3,3'-DICHLOROBENZIDINE	0	of	8			UG/L
3,5-DINITROANILINE	0	of	8			UG/L
3-CHLOROBENZALDEHYDE	0	of	8			UG/L
3-NITROANILINE	0	of	8			UG/L
4,6-DINITRO-2-METHYLPHENOL	0	of	8			UG/L
4-BROMOPHENYL PHENYL ETHER	0	of	8			UG/L
4-CHLORO-3-METHYLPHENOL	0	of	8			UG/L
4-CHLOROANILINE	0	of	8			UG/L
4-CHLOROBENZALDEHYDE	0	of	8			UG/L
4-CHLOROPHENYL PHENYL ETHER	0	of	8			UG/L
4-METHYLPHENOL (p-CRESOL)	0	of	8			UG/L
4-NITROANILINE	0	of	8			UG/L
4-NITROPHENOL	0	of	8			UG/L
5-NITRO-o-TOLUIDINE	0	of	8			UG/L
ACENAPHTHENE	0	of	8			UG/L
ACENAPHTHYLENE	0	of	8			UG/L
ANILINE (PHENYLAMINE, AMINOBENZENE)	0	of	8			UG/L
ANTHRACENE	0	of	8			UG/L
BENZO(a)ANTHRACENE	0	of	8			UG/L
BENZO(a)PYRENE	0	of	8			UG/L
BENZO(b)FLUORANTHENE	0	of	8			UG/L
BENZO(g,h,i)PERYLENE	0	of	8			UG/L
BENZO(k)FLUORANTHENE	0	of	8			UG/L
BENZOIC ACID	0	of	8			UG/L
BENZYL ALCOHOL	0	of	8			UG/L
BENZYL BUTYL PHTHALATE	0	of	8			UG/L
bis(2-CHLOROETHOXY) METHANE	0	of	8			UG/L
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	0	of	8			UG/L
bis(2-ETHYLHEXYL) PHTHALATE	1	of	8	0.32	J	UG/L
CARBAZOLE	0	of	8			UG/L
CHRYSENE	0	of	8			UG/L
DIBENZ(a,h)ANTHRACENE	0	of	8			UG/L
DIBENZOFURAN	0	of	8			UG/L
DIETHYL PHTHALATE	0	of	8			UG/L
DIMETHYL PHTHALATE	0	of	8			UG/L
DI-n-BUTYL PHTHALATE	0	of	8			UG/L
DI-n-OCTYLPHTHALATE	0	of	8			UG/L
DIPROPYL ADIPATE	0	of	8			UG/L
FLUORANTHENE	0	of	8			UG/L
FLUORENE	0	of	8			UG/L
HEXACHLOROBENZENE	0	of	8			UG/L
HEXACHLOROBUTADIENE	0	of	8			UG/L
HEXACHLOROCYCLOPENTADIENE	0	of	8			UG/L
HEXACHLOROETHANE	0	of	8			UG/L
INDENO(1,2,3-c,d)PYRENE	0	of	8			UG/L

Table A-6
Northwest Corner Groundwater Data Summary Table
June 2005 to December 2008

Analyte	Frequency of Detections			Maximum Detected Concentration[1]		Units
ISOPHORONE	0	of	8			UG/L
N,N'-DIETHYLCARBANILIDE	0	of	8			UG/L
NAPHTHALENE	0	of	8			UG/L
NITROBENZENE	0	of	8			UG/L
N-NITROSODIMETHYLAMINE	0	of	8			UG/L
N-NITROSODI-n-PROPYLAMINE	0	of	8			UG/L
N-NITROSODIPHENYLAMINE	0	of	8			UG/L
PENTACHLOROPHENOL	0	of	8			UG/L
PHENANTHRENE	0	of	8			UG/L
PHENOL	0	of	8			UG/L
PYRENE	0	of	8			UG/L
1,3,5-TRINITROBENZENE	0	of	175			UG/L
1,3-DINITROBENZENE	0	of	175			UG/L
2,4,6-TRINITROTOLUENE	0	of	175			UG/L
2,4-DIAMINO-6-NITROTOLUENE	0	of	175			UG/L
2,4-DINITROTOLUENE	0	of	175			UG/L
2,6-DIAMINO-4-NITROTOLUENE	0	of	175			UG/L
2,6-DINITROTOLUENE	0	of	175			UG/L
2-AMINO-4,6-DINITROTOLUENE	0	of	175			UG/L
2-NITROTOLUENE	0	of	175			UG/L
3-NITROTOLUENE	0	of	175			UG/L
4-AMINO-2,6-DINITROTOLUENE	0	of	175			UG/L
4-NITROTOLUENE	0	of	175			UG/L
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	48	of	175	9.5		UG/L
HEXAHYDRO-1,3,5-TRINITROSO-1,3,5-TRIAZINE	0	of	2			UG/L
HEXAHYDRO-1,3-DINITROSO-5-MONONITRO-1,3,5-TRIAZINE	0	of	2			UG/L
HEXAHYDRO-1-MONONITROSO-3,5-DINITRO-1,3,5-TRIAZINE	0	of	2			UG/L
NITROBENZENE	0	of	175			UG/L
NITROGLYCERIN	0	of	175			UG/L
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	of	175			UG/L
PENTAERYTHRITOL TETRANITRATE	0	of	175			UG/L
PICRIC ACID	0	of	175			UG/L
TETRYL	0	of	175			UG/L

Footnotes:

Calculations contained in this table do not include results reported below the laboratory reporting limit. For a complete list of the results between the Method Detection Limit (MDL) and the Reporting Limit (RL), see Table A-7.

1. Qualifiers: U = compound/element was not detected above this value. J = value is estimated due to limitations found in the data validation. UJ = the compound/element was not detected above this value and the value is estimated due to limitations identified in the data validation. R = data was rejected due to major problems identified in the data validation.

Table A-7
Northwest Corner Analytical Results Table
June 2005 - December 2008

Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
4036000-01G	24665	19-Jul-05	E314.0	NONE	PERCHLORATE	0	U	0.3	1	UG/L
4036000-01G	24665	19-Jul-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
4036000-01G	24665	19-Jul-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
4036000-01G	24665	19-Jul-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
4036000-01G	24665	19-Jul-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
4036000-01G	24665	19-Jul-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
4036000-01G	24665	19-Jul-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.054	0.5	UG/L
4036000-01G	24665	19-Jul-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
4036000-01G	24665	19-Jul-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
4036000-01G	24665	19-Jul-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
4036000-01G	24665	19-Jul-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
4036000-01G	24665	19-Jul-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
4036000-01G	24665	19-Jul-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
4036000-01G	24665	19-Jul-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
4036000-01G	24665	19-Jul-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
4036000-01G	24665	19-Jul-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
4036000-01G	24665	19-Jul-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
4036000-01G	24665	19-Jul-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
4036000-01G	24665	19-Jul-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
4036000-01G	24665	19-Jul-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
4036000-01G	25882	18-Oct-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
4036000-01G	25882	18-Oct-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
4036000-01G	25882	18-Oct-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
4036000-01G	25882	18-Oct-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
4036000-01G	25882	18-Oct-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
4036000-01G	25882	18-Oct-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
4036000-01G	25882	18-Oct-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
4036000-01G	25882	18-Oct-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
4036000-01G	25882	18-Oct-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
4036000-01G	25882	18-Oct-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
4036000-01G	25882	18-Oct-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036000-01G	25882	18-Oct-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
4036000-01G	25882	18-Oct-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036000-01G	25882	18-Oct-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
4036000-01G	25882	18-Oct-05	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
4036000-01G	25882	18-Oct-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
4036000-01G	25882	18-Oct-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
4036000-01G	25882	18-Oct-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
4036000-01G	25882	18-Oct-05	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
4036000-01G	25882	18-Oct-05	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
4036000-01G	26608	19-Jan-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
4036000-01G	26608	19-Jan-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
4036000-01G	26608	19-Jan-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
4036000-01G	26608	19-Jan-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
4036000-01G	26608	19-Jan-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
4036000-01G	26608	19-Jan-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
4036000-01G	26608	19-Jan-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
4036000-01G	26608	19-Jan-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
4036000-01G	26608	19-Jan-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
4036000-01G	26608	19-Jan-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
4036000-01G	26608	19-Jan-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036000-01G	26608	19-Jan-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
4036000-01G	26608	19-Jan-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036000-01G	26608	19-Jan-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
4036000-01G	26608	19-Jan-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
4036000-01G	26608	19-Jan-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
4036000-01G	26608	19-Jan-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
4036000-01G	26608	19-Jan-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
4036000-01G	26608	19-Jan-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
4036000-01G	26608	19-Jan-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
4036000-01G	27147	17-May-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
4036000-01G	27147	17-May-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
4036000-01G	27147	17-May-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
4036000-01G	27147	17-May-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
4036000-01G	27147	17-May-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
4036000-01G	27147	17-May-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
4036000-01G	27147	17-May-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
4036000-01G	27147	17-May-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
4036000-01G	27147	17-May-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
4036000-01G	27147	17-May-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
4036000-01G	27147	17-May-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036000-01G	27147	17-May-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
4036000-01G	27147	17-May-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L

Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
4036000-01G	27147	17-May-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
4036000-01G	27147	17-May-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
4036000-01G	27147	17-May-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
4036000-01G	27147	17-May-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
4036000-01G	27147	17-May-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
4036000-01G	27147	17-May-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
4036000-01G	27147	17-May-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
4036000-01G	27297	18-Jul-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
4036000-01G	27297	18-Jul-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
4036000-01G	27297	18-Jul-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
4036000-01G	27297	18-Jul-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
4036000-01G	27297	18-Jul-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
4036000-01G	27297	18-Jul-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
4036000-01G	27297	18-Jul-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
4036000-01G	27297	18-Jul-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
4036000-01G	27297	18-Jul-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
4036000-01G	27297	18-Jul-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
4036000-01G	27297	18-Jul-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036000-01G	27297	18-Jul-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
4036000-01G	27297	18-Jul-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036000-01G	27297	18-Jul-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
4036000-01G	27297	18-Jul-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
4036000-01G	27297	18-Jul-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
4036000-01G	27297	18-Jul-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
4036000-01G	27297	18-Jul-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
4036000-01G	27297	18-Jul-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
4036000-01G	27297	18-Jul-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
4036000-01G	4036000-01G_0308	25-Mar-08	E314.0	METHOD	PERCHLORATE	0	U	0.35	1	UG/L
4036000-01G	4036000-01G_0608	25-Jun-08	E314.0	METHOD	PERCHLORATE	0	U	0.35	1	UG/L
4036000-01G	4036000-01G_0908	26-Sep-08	E314.0	METHOD	PERCHLORATE	0	U	0.35	1	UG/L
4036000-01G	4036000-01G_0908D	26-Sep-08	E314.0	METHOD	PERCHLORATE	0	U	0.35	1	UG/L
4036000-01G	4036000-01G_WB	27-Mar-07	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
4036000-01G	4036000-01G_WB	27-Jun-07	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
4036000-01G	4036000-01G_WB	27-Sep-07	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
4036000-01G	4036000-01G_WB	20-Dec-07	E314.0	NONE	PERCHLORATE	0	U	0.15	1	UG/L
4036000-01G	4036000-01G_WBD	27-Sep-07	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
4036000-03G	24666	19-Jul-05	E314.0	NONE	PERCHLORATE	0	U	0.3	1	UG/L
4036000-03G	24666	19-Jul-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
4036000-03G	24666	19-Jul-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
4036000-03G	24666	19-Jul-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
4036000-03G	24666	19-Jul-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
4036000-03G	24666	19-Jul-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
4036000-03G	24666	19-Jul-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.054	0.5	UG/L
4036000-03G	24666	19-Jul-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
4036000-03G	24666	19-Jul-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
4036000-03G	24666	19-Jul-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
4036000-03G	24666	19-Jul-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
4036000-03G	24666	19-Jul-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
4036000-03G	24666	19-Jul-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
4036000-03G	24666	19-Jul-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
4036000-03G	24666	19-Jul-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
4036000-03G	24666	19-Jul-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
4036000-03G	24666	19-Jul-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
4036000-03G	24666	19-Jul-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
4036000-03G	24666	19-Jul-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
4036000-03G	24666	19-Jul-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
4036000-03G	25883	18-Oct-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
4036000-03G	25883	18-Oct-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
4036000-03G	25883	18-Oct-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
4036000-03G	25883	18-Oct-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
4036000-03G	25883	18-Oct-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
4036000-03G	25883	18-Oct-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
4036000-03G	25883	18-Oct-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
4036000-03G	25883	18-Oct-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
4036000-03G	25883	18-Oct-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
4036000-03G	25883	18-Oct-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
4036000-03G	25883	18-Oct-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036000-03G	25883	18-Oct-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
4036000-03G	25883	18-Oct-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036000-03G	25883	18-Oct-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
4036000-03G	25883	18-Oct-05	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
4036000-03G	25883	18-Oct-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
4036000-03G	25883	18-Oct-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L

Table A-7
Northwest Corner Analytical Results Table
June 2005 - December 2008

Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
4036000-03G	25883	18-Oct-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
4036000-03G	25883	18-Oct-05	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
4036000-03G	25883	18-Oct-05	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
4036000-03G	26609	19-Jan-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
4036000-03G	26609	19-Jan-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
4036000-03G	26609	19-Jan-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
4036000-03G	26609	19-Jan-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
4036000-03G	26609	19-Jan-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
4036000-03G	26609	19-Jan-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
4036000-03G	26609	19-Jan-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
4036000-03G	26609	19-Jan-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
4036000-03G	26609	19-Jan-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
4036000-03G	26609	19-Jan-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
4036000-03G	26609	19-Jan-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036000-03G	26609	19-Jan-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
4036000-03G	26609	19-Jan-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036000-03G	26609	19-Jan-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
4036000-03G	26609	19-Jan-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
4036000-03G	26609	19-Jan-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
4036000-03G	26609	19-Jan-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
4036000-03G	26609	19-Jan-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
4036000-03G	26609	19-Jan-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
4036000-03G	26609	19-Jan-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
4036000-03G	27148	17-May-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
4036000-03G	27148	17-May-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
4036000-03G	27148	17-May-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
4036000-03G	27148	17-May-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
4036000-03G	27148	17-May-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
4036000-03G	27148	17-May-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
4036000-03G	27148	17-May-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
4036000-03G	27148	17-May-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
4036000-03G	27148	17-May-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
4036000-03G	27148	17-May-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
4036000-03G	27148	17-May-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036000-03G	27148	17-May-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
4036000-03G	27148	17-May-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036000-03G	27148	17-May-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
4036000-03G	27148	17-May-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
4036000-03G	27148	17-May-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
4036000-03G	27148	17-May-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
4036000-03G	27148	17-May-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
4036000-03G	27148	17-May-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
4036000-03G	27148	17-May-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
4036000-03G	27298	18-Jul-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
4036000-03G	27298	18-Jul-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
4036000-03G	27298	18-Jul-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
4036000-03G	27298	18-Jul-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
4036000-03G	27298	18-Jul-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
4036000-03G	27298	18-Jul-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
4036000-03G	27298	18-Jul-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
4036000-03G	27298	18-Jul-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
4036000-03G	27298	18-Jul-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
4036000-03G	27298	18-Jul-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
4036000-03G	27298	18-Jul-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036000-03G	27298	18-Jul-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
4036000-03G	27298	18-Jul-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036000-03G	27298	18-Jul-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
4036000-03G	27298	18-Jul-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
4036000-03G	27298	18-Jul-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
4036000-03G	27298	18-Jul-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
4036000-03G	27298	18-Jul-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
4036000-03G	27298	18-Jul-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
4036000-03G	27298	18-Jul-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
4036000-03G	4036000-03G_0308	25-Mar-08	E314.0	METHOD	PERCHLORATE	0	U	0.35	1	UG/L
4036000-03G	4036000-03G_0608	25-Jun-08	E314.0	METHOD	PERCHLORATE	0	U	0.35	1	UG/L
4036000-03G	4036000-03G_0908	26-Sep-08	E314.0	METHOD	PERCHLORATE	0	U	0.35	1	UG/L
4036000-03G	4036000-03G_WB	27-Mar-07	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
4036000-03G	4036000-03G_WB	27-Jun-07	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
4036000-03G	4036000-03G_WB	27-Sep-07	E314.0	NONE	PERCHLORATE	0.42	J	0.35	1	UG/L
4036000-03G	4036000-03G_WB	20-Dec-07	E314.0	NONE	PERCHLORATE	0	U	0.15	1	UG/L
4036000-04G	24667	19-Jul-05	E314.0	NONE	PERCHLORATE	0	U	0.3	1	UG/L
4036000-04G	24667	19-Jul-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
4036000-04G	24667	19-Jul-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
4036000-04G	24667	19-Jul-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
4036000-04G	24667	19-Jul-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
4036000-04G	24667	19-Jul-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
4036000-04G	24667	19-Jul-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.054	0.5	UG/L
4036000-04G	24667	19-Jul-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
4036000-04G	24667	19-Jul-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
4036000-04G	24667	19-Jul-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
4036000-04G	24667	19-Jul-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
4036000-04G	24667	19-Jul-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
4036000-04G	24667	19-Jul-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
4036000-04G	24667	19-Jul-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
4036000-04G	24667	19-Jul-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
4036000-04G	24667	19-Jul-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
4036000-04G	24667	19-Jul-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
4036000-04G	24667	19-Jul-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
4036000-04G	24667	19-Jul-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
4036000-04G	24667	19-Jul-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
4036000-04G	24668	19-Jul-05	E314.0	NONE	PERCHLORATE	0	U	0.3	1	UG/L
4036000-04G	24668	19-Jul-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
4036000-04G	24668	19-Jul-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
4036000-04G	24668	19-Jul-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
4036000-04G	24668	19-Jul-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
4036000-04G	24668	19-Jul-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
4036000-04G	24668	19-Jul-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.054	0.5	UG/L
4036000-04G	24668	19-Jul-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
4036000-04G	24668	19-Jul-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
4036000-04G	24668	19-Jul-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
4036000-04G	24668	19-Jul-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
4036000-04G	24668	19-Jul-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
4036000-04G	24668	19-Jul-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
4036000-04G	24668	19-Jul-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
4036000-04G	24668	19-Jul-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
4036000-04G	24668	19-Jul-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
4036000-04G	24668	19-Jul-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
4036000-04G	24668	19-Jul-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
4036000-04G	24668	19-Jul-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
4036000-04G	24668	19-Jul-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
4036000-04G	25884	18-Oct-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
4036000-04G	25884	18-Oct-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
4036000-04G	25884	18-Oct-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
4036000-04G	25884	18-Oct-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
4036000-04G	25884	18-Oct-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
4036000-04G	25884	18-Oct-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
4036000-04G	25884	18-Oct-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
4036000-04G	25884	18-Oct-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
4036000-04G	25884	18-Oct-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
4036000-04G	25884	18-Oct-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
4036000-04G	25884	18-Oct-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036000-04G	25884	18-Oct-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
4036000-04G	25884	18-Oct-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036000-04G	25884	18-Oct-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
4036000-04G	25884	18-Oct-05	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
4036000-04G	25884	18-Oct-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
4036000-04G	25884	18-Oct-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
4036000-04G	25884	18-Oct-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
4036000-04G	25884	18-Oct-05	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
4036000-04G	25884	18-Oct-05	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
4036000-04G	26610	19-Jan-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
4036000-04G	26610	19-Jan-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
4036000-04G	26610	19-Jan-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
4036000-04G	26610	19-Jan-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
4036000-04G	26610	19-Jan-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
4036000-04G	26610	19-Jan-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
4036000-04G	26610	19-Jan-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
4036000-04G	26610	19-Jan-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
4036000-04G	26610	19-Jan-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
4036000-04G	26610	19-Jan-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
4036000-04G	26610	19-Jan-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036000-04G	26610	19-Jan-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
4036000-04G	26610	19-Jan-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036000-04G	26610	19-Jan-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
4036000-04G	26610	19-Jan-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
4036000-04G	26610	19-Jan-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
4036000-04G	26610	19-Jan-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
4036000-04G	26610	19-Jan-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
4036000-04G	26610	19-Jan-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
4036000-04G	26610	19-Jan-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
4036000-04G	27149	17-May-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
4036000-04G	27149	17-May-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
4036000-04G	27149	17-May-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
4036000-04G	27149	17-May-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
4036000-04G	27149	17-May-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
4036000-04G	27149	17-May-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
4036000-04G	27149	17-May-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
4036000-04G	27149	17-May-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
4036000-04G	27149	17-May-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
4036000-04G	27149	17-May-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
4036000-04G	27149	17-May-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036000-04G	27149	17-May-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
4036000-04G	27149	17-May-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036000-04G	27149	17-May-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
4036000-04G	27149	17-May-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
4036000-04G	27149	17-May-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
4036000-04G	27149	17-May-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
4036000-04G	27149	17-May-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
4036000-04G	27149	17-May-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
4036000-04G	27149	17-May-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
4036000-04G	27299	18-Jul-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
4036000-04G	27299	18-Jul-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
4036000-04G	27299	18-Jul-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
4036000-04G	27299	18-Jul-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
4036000-04G	27299	18-Jul-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
4036000-04G	27299	18-Jul-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
4036000-04G	27299	18-Jul-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
4036000-04G	27299	18-Jul-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
4036000-04G	27299	18-Jul-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
4036000-04G	27299	18-Jul-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
4036000-04G	27299	18-Jul-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036000-04G	27299	18-Jul-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
4036000-04G	27299	18-Jul-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036000-04G	27299	18-Jul-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
4036000-04G	27299	18-Jul-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
4036000-04G	27299	18-Jul-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
4036000-04G	27299	18-Jul-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
4036000-04G	27299	18-Jul-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
4036000-04G	27299	18-Jul-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
4036000-04G	27299	18-Jul-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
4036000-04G	27300	18-Jul-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
4036000-04G	27300	18-Jul-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
4036000-04G	27300	18-Jul-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
4036000-04G	27300	18-Jul-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
4036000-04G	27300	18-Jul-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
4036000-04G	27300	18-Jul-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
4036000-04G	27300	18-Jul-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
4036000-04G	27300	18-Jul-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
4036000-04G	27300	18-Jul-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
4036000-04G	27300	18-Jul-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
4036000-04G	27300	18-Jul-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036000-04G	27300	18-Jul-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
4036000-04G	27300	18-Jul-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036000-04G	27300	18-Jul-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
4036000-04G	27300	18-Jul-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
4036000-04G	27300	18-Jul-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
4036000-04G	27300	18-Jul-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
4036000-04G	27300	18-Jul-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
4036000-04G	27300	18-Jul-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
4036000-04G	27300	18-Jul-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
4036000-04G	4036000-04G_0308	25-Mar-08	E314.0	METHOD	PERCHLORATE	0	U	0.35	1	UG/L
4036000-04G	4036000-04G_0608	25-Jun-08	E314.0	METHOD	PERCHLORATE	0	U	0.35	1	UG/L
4036000-04G	4036000-04G_0608D	25-Jun-08	E314.0	METHOD	PERCHLORATE	0	U	0.35	1	UG/L
4036000-04G	4036000-04G_0908	26-Sep-08	E314.0	METHOD	PERCHLORATE	0	U	0.35	1	UG/L
4036000-04G	4036000-04G_WB	27-Mar-07	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
4036000-04G	4036000-04G_WB	27-Jun-07	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
4036000-04G	4036000-04G_WB	27-Sep-07	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
4036000-04G	4036000-04G_WB	20-Dec-07	E314.0	NONE	PERCHLORATE	0	U	0.15	1	UG/L
4036000-06G	24669	19-Jul-05	E314.0	NONE	PERCHLORATE	0	U	0.3	1	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
4036000-06G	24669	19-Jul-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
4036000-06G	24669	19-Jul-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
4036000-06G	24669	19-Jul-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
4036000-06G	24669	19-Jul-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
4036000-06G	24669	19-Jul-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
4036000-06G	24669	19-Jul-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.054	0.5	UG/L
4036000-06G	24669	19-Jul-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
4036000-06G	24669	19-Jul-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
4036000-06G	24669	19-Jul-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
4036000-06G	24669	19-Jul-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
4036000-06G	24669	19-Jul-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
4036000-06G	24669	19-Jul-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
4036000-06G	24669	19-Jul-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
4036000-06G	24669	19-Jul-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
4036000-06G	24669	19-Jul-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
4036000-06G	24669	19-Jul-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
4036000-06G	24669	19-Jul-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
4036000-06G	24669	19-Jul-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
4036000-06G	24669	19-Jul-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
4036000-06G	25885	18-Oct-05	E314.0	NONE	PERCHLORATE	0.46	J	0.35	1	UG/L
4036000-06G	25885	18-Oct-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
4036000-06G	25885	18-Oct-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
4036000-06G	25885	18-Oct-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
4036000-06G	25885	18-Oct-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
4036000-06G	25885	18-Oct-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
4036000-06G	25885	18-Oct-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
4036000-06G	25885	18-Oct-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
4036000-06G	25885	18-Oct-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
4036000-06G	25885	18-Oct-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
4036000-06G	25885	18-Oct-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036000-06G	25885	18-Oct-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
4036000-06G	25885	18-Oct-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036000-06G	25885	18-Oct-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
4036000-06G	25885	18-Oct-05	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
4036000-06G	25885	18-Oct-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
4036000-06G	25885	18-Oct-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
4036000-06G	25885	18-Oct-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
4036000-06G	25885	18-Oct-05	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
4036000-06G	25885	18-Oct-05	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
4036000-06G	26611	19-Jan-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
4036000-06G	26611	19-Jan-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
4036000-06G	26611	19-Jan-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
4036000-06G	26611	19-Jan-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
4036000-06G	26611	19-Jan-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
4036000-06G	26611	19-Jan-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
4036000-06G	26611	19-Jan-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
4036000-06G	26611	19-Jan-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
4036000-06G	26611	19-Jan-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
4036000-06G	26611	19-Jan-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
4036000-06G	26611	19-Jan-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036000-06G	26611	19-Jan-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
4036000-06G	26611	19-Jan-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036000-06G	26611	19-Jan-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
4036000-06G	26611	19-Jan-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
4036000-06G	26611	19-Jan-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
4036000-06G	26611	19-Jan-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
4036000-06G	26611	19-Jan-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
4036000-06G	26611	19-Jan-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
4036000-06G	26611	19-Jan-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
4036000-06G	27150	17-May-06	E314.0	NONE	PERCHLORATE	0.53	J	0.35	1	UG/L
4036000-06G	27150	17-May-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
4036000-06G	27150	17-May-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
4036000-06G	27150	17-May-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
4036000-06G	27150	17-May-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
4036000-06G	27150	17-May-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
4036000-06G	27150	17-May-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
4036000-06G	27150	17-May-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
4036000-06G	27150	17-May-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
4036000-06G	27150	17-May-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
4036000-06G	27150	17-May-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036000-06G	27150	17-May-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
4036000-06G	27150	17-May-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036000-06G	27150	17-May-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
4036000-06G	27150	17-May-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
4036000-06G	27150	17-May-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
4036000-06G	27150	17-May-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
4036000-06G	27150	17-May-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
4036000-06G	27150	17-May-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
4036000-06G	27150	17-May-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
4036000-06G	27301	26-Jul-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
4036000-06G	27301	26-Jul-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
4036000-06G	27301	26-Jul-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
4036000-06G	27301	26-Jul-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
4036000-06G	27301	26-Jul-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
4036000-06G	27301	26-Jul-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
4036000-06G	27301	26-Jul-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
4036000-06G	27301	26-Jul-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
4036000-06G	27301	26-Jul-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
4036000-06G	27301	26-Jul-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
4036000-06G	27301	26-Jul-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036000-06G	27301	26-Jul-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
4036000-06G	27301	26-Jul-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036000-06G	27301	26-Jul-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
4036000-06G	27301	26-Jul-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
4036000-06G	27301	26-Jul-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
4036000-06G	27301	26-Jul-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
4036000-06G	27301	26-Jul-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
4036000-06G	27301	26-Jul-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
4036000-06G	27301	26-Jul-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
4036000-06G	4036000-06G_0308	25-Mar-08	E314.0	METHOD	PERCHLORATE	0	U	0.35	1	UG/L
4036000-06G	4036000-06G_0608	25-Jun-08	E314.0	METHOD	PERCHLORATE	0	U	0.35	1	UG/L
4036000-06G	4036000-06G_0908	26-Sep-08	E314.0	METHOD	PERCHLORATE	0	U	0.35	1	UG/L
4036000-06G	4036000-06G_WB	27-Mar-07	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
4036000-06G	4036000-06G_WB	27-Jun-07	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
4036000-06G	4036000-06G_WB	27-Sep-07	E314.0	NONE	PERCHLORATE	0.39	J	0.35	1	UG/L
4036000-06G	4036000-06G_WB	20-Dec-07	E314.0	NONE	PERCHLORATE	0	U	0.15	1	UG/L
4036009	4036009_0805	23-Aug-05	E314.0	NONE	PERCHLORATE	3.9		0.35	1	UG/L
4036009	4036009_0805	23-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
4036009	4036009_0805	23-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
4036009	4036009_0805	23-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
4036009	4036009_0805	23-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
4036009	4036009_0805	23-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
4036009	4036009_0805	23-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.054	0.5	UG/L
4036009	4036009_0805	23-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
4036009	4036009_0805	23-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
4036009	4036009_0805	23-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
4036009	4036009_0805	23-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
4036009	4036009_0805	23-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
4036009	4036009_0805	23-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
4036009	4036009_0805	23-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
4036009	4036009_0805	23-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
4036009	4036009_0805	23-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
4036009	4036009_0805	23-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
4036009	4036009_0805	23-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
4036009	4036009_0805	23-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
4036009	4036009_0805	23-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
4036009	4036009_1105	21-Nov-05	E314.0	NONE	PERCHLORATE	3.6		0.35	1	UG/L
4036009	4036009_1105	21-Nov-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
4036009	4036009_1105	21-Nov-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
4036009	4036009_1105	21-Nov-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
4036009	4036009_1105	21-Nov-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
4036009	4036009_1105	21-Nov-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
4036009	4036009_1105	21-Nov-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
4036009	4036009_1105	21-Nov-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
4036009	4036009_1105	21-Nov-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
4036009	4036009_1105	21-Nov-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
4036009	4036009_1105	21-Nov-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036009	4036009_1105	21-Nov-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
4036009	4036009_1105	21-Nov-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
4036009	4036009_1105	21-Nov-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
4036009	4036009_1105	21-Nov-05	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
4036009	4036009_1105	21-Nov-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
4036009	4036009_1105	21-Nov-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
4036009	4036009_1105	21-Nov-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
4036009	4036009_1105	21-Nov-05	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
4036009	4036009_1105	21-Nov-05	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L

Table A-7
Northwest Corner Analytical Results Table
June 2005 - December 2008

Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
95-15C	24872	20-Oct-05	CL200.7	TOTAL	ALUMINUM	0	U	65.3	65.3	UG/L
95-15C	24872	20-Oct-05	CL200.7	TOTAL	ARSENIC	0	U	5.2	5.2	UG/L
95-15C	24872	20-Oct-05	CL200.7	TOTAL	BARIUM	0	U	15.3	15.3	UG/L
95-15C	24872	20-Oct-05	CL200.7	TOTAL	BERYLLIUM	0	U	0.2	0.24	UG/L
95-15C	24872	20-Oct-05	CL200.7	TOTAL	BORON	0	U	10.5	10.5	UG/L
95-15C	24872	20-Oct-05	CL200.7	TOTAL	CADMIUM	0	U	0.6	0.6	UG/L
95-15C	24872	20-Oct-05	CL200.7	TOTAL	CALCIUM	0	U	513	1360	UG/L
95-15C	24872	20-Oct-05	CL200.7	TOTAL	CHROMIUM, TOTAL	0	U	1.5	1.5	UG/L
95-15C	24872	20-Oct-05	CL200.7	TOTAL	COBALT	0	U	4	4	UG/L
95-15C	24872	20-Oct-05	CL200.7	TOTAL	COPPER	0	U	3.1	3.1	UG/L
95-15C	24872	20-Oct-05	CL200.7	TOTAL	IRON	0	U	84.3	84.3	UG/L
95-15C	24872	20-Oct-05	CL200.7	TOTAL	LEAD	0	U	2.9	2.9	UG/L
95-15C	24872	20-Oct-05	CL200.7	TOTAL	MAGNESIUM	0	U	406	1040	UG/L
95-15C	24872	20-Oct-05	CL200.7	TOTAL	MANGANESE	0	U	1.9	2.1	UG/L
95-15C	24872	20-Oct-05	CL200.7	TOTAL	MOLYBDENUM	0	U	4	4	UG/L
95-15C	24872	20-Oct-05	CL200.7	TOTAL	NICKEL	0	U	4.5	4.5	UG/L
95-15C	24872	20-Oct-05	CL200.7	TOTAL	POTASSIUM	0	U	660	660	UG/L
95-15C	24872	20-Oct-05	CL200.7	TOTAL	SELENIUM	0	UJ	4	4	UG/L
95-15C	24872	20-Oct-05	CL200.7	TOTAL	SILVER	0	U	1.9	1.9	UG/L
95-15C	24872	20-Oct-05	CL200.7	TOTAL	SODIUM	6010		649	649	UG/L
95-15C	24872	20-Oct-05	CL200.7	TOTAL	VANADIUM	0	U	4.8	4.8	UG/L
95-15C	24872	20-Oct-05	CL200.7	TOTAL	ZINC	0	U	1.7	5.8	UG/L
95-15C	24872	20-Oct-05	CL245.1	TOTAL	MERCURY	0	U	0.1	0.1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	1,1,1-TRICHLOROETHANE	0	U	0.14	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	1,1,2,2-TETRACHLOROETHANE	0	U	0.18	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	1,1,2-TRICHLOROETHANE	0	U	0.12	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	1,1-DICHLOROETHANE	0	U	0.22	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	1,1-DICHLOROETHENE	0	U	0.35	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	1,2,4-TRICHLOROBENZENE	0	U	0.51	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	1,2-DIBROMO-3-CHLOROPROPANE	0	U	0.38	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0	U	0.24	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	1,2-DICHLOROBENZENE	0	U	0.24	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	1,2-DICHLOROETHANE	0	U	0.12	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	1,2-DICHLOROPROPANE	0	U	0.26	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	1,3-DICHLOROBENZENE	0	U	0.25	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	1,4-DICHLOROBENZENE	0	U	0.32	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	2-CHLOROETHYL VINYL ETHER	0	U	0.0631	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	2-HEXANONE	0	U	0.67	5	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	ACETONE	0	U	0.79	5	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	BENZENE	0	U	0.092	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	BROMOCHLOROMETHANE	0	U	0.2	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	BROMODICHLOROMETHANE	0	U	0.21	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	BROMOFORM	0	U	0.28	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	BROMOMETHANE	0	U	0.51	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	CARBON DISULFIDE	0	U	0.21	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	CARBON TETRACHLORIDE	0	U	0.27	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	CHLOROBENZENE	0	U	0.21	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	CHLOROETHANE	0	U	0.81	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	CHLOROFORM	2		0.16	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	CHLOROMETHANE	0	UJ	0.48	2	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	cis-1,2-DICHLOROETHYLENE	0	U	0.15	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	cis-1,3-DICHLOROPROPENE	0	U	0.13	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	DIBROMOCHLOROMETHANE	0	U	0.26	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	DIBROMOMETHANE	0	U	0.0633	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	ETHYLBENZENE	0	U	0.089	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	METHYL ETHYL KETONE (2-BUTANONE)	0	U	1.3	5	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0	U	0.49	5	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	METHYLENE CHLORIDE	0	U	0.21	2	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	STYRENE	0	U	0.13	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	tert-BUTYL METHYL ETHER	0	U	0.0448	0.5	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	TETRACHLOROETHYLENE(PCE)	0	U	0.28	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	TOLUENE	0	U	0.17	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	trans-1,2-DICHLOROETHENE	0	U	0.11	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	trans-1,3-DICHLOROPROPENE	0	U	0.12	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	TRICHLOROETHYLENE (TCE)	0	U	0.21	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	VINYL ACETATE	0	U	0.174	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	VINYL CHLORIDE	0	U	0.22	1	UG/L
95-15C	24872	20-Oct-05	CVOL	METHOD	XYLENES, TOTAL	0	U	0.5	1	UG/L
95-15C	24872	20-Oct-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
95-15C	24872	20-Oct-05	SW6020	TOTAL	ANTIMONY	0	UJ	0.3	3	UG/L
95-15C	24872	20-Oct-05	SW6020	TOTAL	THALLIUM	0	U	0.1	0.1	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	1,2,4-TRICHLOROBENZENE	0	U	0.2467	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	1,2-DICHLOROBENZENE	0	U	0.2663	5.4	UG/L

Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
95-15C	24872	20-Oct-05	SW8270C	SW3510	1,3-DICHLOROBENZENE	0	U	0.2641	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	1,4-DICHLOROBENZENE	0	U	0.3196	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	2,2'-OXYBIS(1-CHLORO)PROPANE	0	U	0.6913	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	2,4,5-TRICHLOROPHENOL	0	U	1.3152	14	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	2,4,6-TRICHLOROPHENOL	0	U	1.25	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	2,4-DICHLOROPHENOL	0	U	0.7196	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	2,4-DIMETHYLPHENOL	0	U	0.8185	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	2,4-DINITROPHENOL	0	UJ	1.4348	14	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	2,4-DINITROTOLUENE	0	U	0.7652	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	2,6-DINITROTOLUENE	0	U	0.5728	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	2-CHLOROBENZALDEHYDE	0	U	0.737	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	2-CHLORONAPHTHALENE	0	U	0.2696	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	2-CHLOROPHENOL	0	U	0.6957	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	2-METHYL-3-NITROANILINE	0	U	1.4457	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	2-METHYLNAPHTHALENE	0	U	0.3	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	2-METHYLPHENOL (o-CRESOL)	0	U	0.8174	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	2-NITROANILINE	0	U	1.2826	14	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	2-NITRODIPHENYLAMINE	0	U	0.5652	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	2-NITROPHENOL	0	U	0.8717	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	3,3'-DICHLOROBENZIDINE	0	UJ	2.0761	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	3,5-DINITROANILINE	0	UJ	0.5576	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	3-CHLOROBENZALDEHYDE	0	U	0.7163	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	3-NITROANILINE	0	U	2.0978	14	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	4,6-DINITRO-2-METHYLPHENOL	0	UJ	1.6087	14	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	4-BROMOPHENYL PHENYL ETHER	0	U	0.3467	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	4-CHLORO-3-METHYLPHENOL	0	U	0.8946	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	4-CHLOROANILINE	0	U	2.5326	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	4-CHLOROBENZALDEHYDE	0	U	0.6391	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	4-CHLOROPHENYL PHENYL ETHER	0	U	0.362	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	4-METHYLPHENOL (p-CRESOL)	0	U	1.4674	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	4-NITROANILINE	0	U	1.7935	14	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	4-NITROPHENOL	0	U	0.9283	14	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	5-NITRO-o-TOLUIDINE	0	U	1.2935	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	ACENAPHTHENE	0	U	0.3772	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	ACENAPHTHYLENE	0	U	0.55	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	ANILINE (PHENYLAMINE, AMINOBENZENE)	0	U	0.4217	14	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	ANTHRACENE	0	U	0.7022	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	BENZO(a)ANTHRACENE	0	U	0.7641	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	BENZO(a)PYRENE	0	U	0.7326	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	BENZO(b)FLUORANTHENE	0	U	1.1304	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	BENZO(g,h,i)PERYLENE	0	U	1.0196	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	BENZO(k)FLUORANTHENE	0	U	1.163	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	BENZOIC ACID	0	UJ	1.5761	14	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	BENZYL ALCOHOL	0	U	0.612	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	BENZYL BUTYL PHTHALATE	0	U	1.3913	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	bis(2-CHLOROETHOXY) METHANE	0	U	0.6609	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	0	U	0.7293	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	bis(2-ETHYLHEXYL) PHTHALATE	0	U	0.9598	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	CARBAZOLE	0	U	0.8728	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	CHRYSENE	0	U	0.7859	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	DIBENZ(a,h)ANTHRACENE	0	U	0.913	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	DIBENZOFURAN	0	U	0.6402	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	DIETHYL PHTHALATE	0	U	0.5522	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	DIMETHYL PHTHALATE	0	U	0.6239	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	DI-n-BUTYL PHTHALATE	0	U	0.7065	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	DI-n-OCTYLPHTHALATE	0	U	0.7696	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	DIPROPYL ADIPATE	0	U	0.3783	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	FLUORANTHENE	0	U	1.1087	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	FLUORENE	0	U	0.513	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	HEXACHLOROBENZENE	0	U	0.462	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	HEXACHLOROBUTADIENE	0	U	0.2326	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	HEXACHLOROCYCLOPENTADIENE	0	UJ	0.2739	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	HEXACHLOROETHANE	0	U	0.2511	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	INDENO(1,2,3-c,d)PYRENE	0	U	0.8663	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	ISOPHORONE	0	U	0.5337	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	N,N'-DIETHYLCARBANILIDE	0	U	0.487	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	NAPHTHALENE	0	U	0.3576	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	NITROBENZENE	0	U	0.7022	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	N-NITROSODIMETHYLAMINE	0	U	0.5	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	N-NITROSODI-n-PROPYLAMINE	0	U	0.762	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	N-NITROSODIPHENYLAMINE	0	U	0.5913	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	PENTACHLOROPHENOL	0	U	1.9457	14	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	PHENANTHRENE	0	U	0.7815	5.4	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
95-15C	24872	20-Oct-05	SW8270C	SW3510	PHENOL	0	U	0.2935	5.4	UG/L
95-15C	24872	20-Oct-05	SW8270C	SW3510	PYRENE	0	U	1.7609	5.4	UG/L
95-15C	24872	20-Oct-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
95-15C	24872	20-Oct-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
95-15C	24872	20-Oct-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
95-15C	24872	20-Oct-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
95-15C	24872	20-Oct-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
95-15C	24872	20-Oct-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
95-15C	24872	20-Oct-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
95-15C	24872	20-Oct-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
95-15C	24872	20-Oct-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
95-15C	24872	20-Oct-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
95-15C	24872	20-Oct-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
95-15C	24872	20-Oct-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
95-15C	24872	20-Oct-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
95-15C	24872	20-Oct-05	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
95-15C	24872	20-Oct-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
95-15C	24872	20-Oct-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
95-15C	24872	20-Oct-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
95-15C	24872	20-Oct-05	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
95-15C	24872	20-Oct-05	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
95-6A	24212	14-Jun-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
95-6A	24741	03-Nov-05	CL200.7	TOTAL	ALUMINUM	0	U	65.3	65.3	UG/L
95-6A	24741	03-Nov-05	CL200.7	TOTAL	ARSENIC	0	U	4.7	4.7	UG/L
95-6A	24741	03-Nov-05	CL200.7	TOTAL	BARIUM	0	U	6.8	6.8	UG/L
95-6A	24741	03-Nov-05	CL200.7	TOTAL	BERYLLIUM	0	U	1.2	1.2	UG/L
95-6A	24741	03-Nov-05	CL200.7	TOTAL	BORON	0	U	10.5	10.5	UG/L
95-6A	24741	03-Nov-05	CL200.7	TOTAL	CADMIUM	0	U	0.8	0.8	UG/L
95-6A	24741	03-Nov-05	CL200.7	TOTAL	CALCIUM	1700	J	300	300	UG/L
95-6A	24741	03-Nov-05	CL200.7	TOTAL	CHROMIUM, TOTAL	0	U	0.9	0.9	UG/L
95-6A	24741	03-Nov-05	CL200.7	TOTAL	COBALT	0	U	2.5	2.5	UG/L
95-6A	24741	03-Nov-05	CL200.7	TOTAL	COPPER	0	U	2	2	UG/L
95-6A	24741	03-Nov-05	CL200.7	TOTAL	IRON	0	U	43.8	43.8	UG/L
95-6A	24741	03-Nov-05	CL200.7	TOTAL	LEAD	0	U	2.2	2.2	UG/L
95-6A	24741	03-Nov-05	CL200.7	TOTAL	MAGNESIUM	0	U	406	830	UG/L
95-6A	24741	03-Nov-05	CL200.7	TOTAL	MANGANESE	1.6	J	1	1	UG/L
95-6A	24741	03-Nov-05	CL200.7	TOTAL	MOLYBDENUM	0	U	4	4	UG/L
95-6A	24741	03-Nov-05	CL200.7	TOTAL	NICKEL	0	U	3.1	3.1	UG/L
95-6A	24741	03-Nov-05	CL200.7	TOTAL	POTASSIUM	0	U	692	692	UG/L
95-6A	24741	03-Nov-05	CL200.7	TOTAL	SELENIUM	0	U	4.9	4.9	UG/L
95-6A	24741	03-Nov-05	CL200.7	TOTAL	SILVER	0	U	1.9	1.9	UG/L
95-6A	24741	03-Nov-05	CL200.7	TOTAL	SODIUM	5370		638	638	UG/L
95-6A	24741	03-Nov-05	CL200.7	TOTAL	VANADIUM	0	U	2.3	2.3	UG/L
95-6A	24741	03-Nov-05	CL200.7	TOTAL	ZINC	0	U	4.4	7.6	UG/L
95-6A	24741	03-Nov-05	CL245.1	TOTAL	MERCURY	0	U	0.1	0.1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	1,1,1-TRICHLOROETHANE	0	U	0.14	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	1,1,2,2-TETRACHLOROETHANE	0	U	0.18	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	1,1,2-TRICHLOROETHANE	0	U	0.12	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	1,1-DICHLOROETHANE	0	U	0.22	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	1,1-DICHLOROETHENE	0	U	0.35	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	1,2,4-TRICHLOROBENZENE	0	U	0.51	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	1,2-DIBROMO-3-CHLOROPROPANE	0	U	0.38	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0	U	0.24	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	1,2-DICHLOROBENZENE	0	U	0.24	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	1,2-DICHLOROETHANE	0	U	0.12	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	1,2-DICHLOROPROPANE	0	U	0.26	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	1,3-DICHLOROBENZENE	0	U	0.25	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	1,4-DICHLOROBENZENE	0	U	0.32	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	2-CHLOROETHYL VINYL ETHER	0	U	0.0631	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	2-HEXANONE	0	U	0.67	5	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	ACETONE	0	U	0.79	5	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	BENZENE	0	U	0.092	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	BROMOCHLOROMETHANE	0	U	0.2	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	BROMODICHLOROMETHANE	0	U	0.21	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	BROMOFORM	0	U	0.28	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	BROMOMETHANE	0	UJ	0.51	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	CARBON DISULFIDE	0	U	0.21	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	CARBON TETRACHLORIDE	0	U	0.27	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	CHLOROBENZENE	0	U	0.21	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	CHLOROETHANE	0	UJ	0.81	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	CHLOROFORM	0.2	J	0.16	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	CHLOROMETHANE	0	U	0.48	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	cis-1,2-DICHLOROETHYLENE	0	U	0.15	1	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
95-6A	24741	03-Nov-05	CVOL	METHOD	cis-1,3-DICHLOROPROPENE	0	U	0.13	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	DIBROMOCHLOROMETHANE	0	U	0.26	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	DIBROMOMETHANE	0	U	0.0633	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	ETHYLBENZENE	0	U	0.089	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	METHYL ETHYL KETONE (2-BUTANONE)	0	U	1.3	5	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0	U	0.49	5	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	METHYLENE CHLORIDE	0	U	0.21	2	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	STYRENE	0	U	0.13	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	tert-BUTYL METHYL ETHER	0	U	0.0448	0.5	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	TETRACHLOROETHYLENE(PCE)	0	U	0.28	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	TOLUENE	0	U	0.17	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	trans-1,2-DICHLOROETHENE	0	U	0.11	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	trans-1,3-DICHLOROPROPENE	0	U	0.12	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	TRICHLOROETHYLENE (TCE)	0	U	0.21	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	VINYL ACETATE	0	U	0.174	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	VINYL CHLORIDE	0	U	0.22	1	UG/L
95-6A	24741	03-Nov-05	CVOL	METHOD	XYLENES, TOTAL	0	U	0.5	1	UG/L
95-6A	24741	03-Nov-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
95-6A	24741	03-Nov-05	SW6020	TOTAL	ANTIMONY	0	U	0.3	0.3	UG/L
95-6A	24741	03-Nov-05	SW6020	TOTAL	THALLIUM	0.11	J	0.1	0.1	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	1,2,4-TRICHLOROBENZENE	0	U	0.234	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	1,2-DICHLOROBENZENE	0	U	0.2526	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	1,3-DICHLOROBENZENE	0	U	0.2505	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	1,4-DICHLOROBENZENE	0	U	0.3031	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	2,2'-OXYBIS(1-CHLORO)PROPANE	0	U	0.6557	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	2,4,5-TRICHLOROPHENOL	0	U	1.2474	13	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	2,4,6-TRICHLOROPHENOL	0	U	1.1856	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	2,4-DICHLOROPHENOL	0	U	0.6825	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	2,4-DIMETHYLPHENOL	0	U	0.7763	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	2,4-DINITROPHENOL	0	UJ	1.3608	13	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	2,4-DINITROTOLUENE	0	U	0.7258	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	2,6-DINITROTOLUENE	0	U	0.5433	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	2-CHLOROBENZALDEHYDE	0	UJ	0.699	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	2-CHLOROBENZOIC ACID		R	19.3814	26	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	2-CHLORONAPHTHALENE	0	U	0.2557	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	2-CHLOROPHENOL	0	U	0.6598	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	2-METHYL-3-NITROANILINE	0	UJ	1.3711	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	2-METHYLNAPHTHALENE	0	UJ	0.2845	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	2-METHYLPHENOL (o-CRESOL)	0	U	0.7753	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	2-NITROANILINE	0	U	1.2165	13	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	2-NITRODIPHENYLAMINE	0	UJ	0.5361	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	2-NITROPHENOL	0	U	0.8268	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	3,3'-DICHLOROBENZIDINE	0	U	1.9691	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	3,5-DINITROANILINE	0	UJ	0.5289	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	3-CHLOROBENZALDEHYDE	0	UJ	0.6794	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	3-NITROANILINE	0	U	1.9897	13	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	4,6-DINITRO-2-METHYLPHENOL	0	UJ	1.5258	13	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	4-BROMOPHENYL PHENYL ETHER	0	U	0.3289	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	4-CHLORO-3-METHYLPHENOL	0	U	0.8485	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	4-CHLOROANILINE	0	U	2.4021	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	4-CHLOROBENZALDEHYDE	0	UJ	0.6062	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	4-CHLOROPHENYL PHENYL ETHER	0	U	0.3433	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	4-METHYLPHENOL (p-CRESOL)	0	U	1.3918	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	4-NITROANILINE	0	U	1.701	13	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	4-NITROPHENOL	0	U	0.8804	13	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	5-NITRO-o-TOLUIDINE	0	UJ	1.2268	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	ACENAPHTHENE	0	U	0.3577	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	ACENAPHTHYLENE	0	U	0.5216	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	ANILINE (PHENYLAMINE, AMINOBENZENE)	0	U	0.4	13	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	ANTHRACENE	0	U	0.666	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	BENZO(a)ANTHRACENE	0	U	0.7247	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	BENZO(a)PYRENE	0	U	0.6948	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	BENZO(b)FLUORANTHENE	0	U	1.0722	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	BENZO(g,h,i)PERYLENE	0	U	0.967	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	BENZO(k)FLUORANTHENE	0	U	1.1031	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	BENZOIC ACID		R	1.4948	13	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	BENZYL ALCOHOL	0	U	0.5804	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	BENZYL BUTYL PHTHALATE	0	U	1.3196	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	bis(2-CHLOROETHOXY) METHANE	0	U	0.6268	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	0	U	0.6918	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	bis(2-ETHYLHEXYL) PHTHALATE	0	U	0.9103	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	CARBAZOLE	0	U	0.8278	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	CHRYSENE	0	U	0.7454	5.2	UG/L

Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
95-6A	24741	03-Nov-05	SW8270C	SW3510	DIBENZ(a,h)ANTHRACENE	0	U	0.866	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	DIBENZOFURAN	0	U	0.6072	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	DIETHYL PHTHALATE	0	U	0.5237	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	DIMETHYL PHTHALATE	0	U	0.5918	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	DI-n-BUTYL PHTHALATE	0	U	0.6701	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	DI-n-OCTYLPHTHALATE	0	U	0.7299	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	DIPROPYL ADIPATE	0	UJ	0.3588	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	FLUORANTHENE	0	U	1.0515	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	FLUORENE	0	U	0.4866	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	HEXACHLOROBENZENE	0	U	0.4381	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	HEXACHLOROBUTADIENE	0	U	0.2206	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	HEXACHLOROCYCLOPENTADIENE	0	UJ	0.2598	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	HEXACHLOROETHANE	0	U	0.2381	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	INDENO(1,2,3-c,d)PYRENE	0	U	0.8216	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	ISOPHORONE	0	U	0.5062	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	N,N'-DIETHYLCARBANILIDE	0	UJ	0.4619	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	NAPHTHALENE	0	U	0.3392	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	NITROBENZENE	0	U	0.666	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	N-NITROSODIMETHYLAMINE	0	U	0.4742	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	N-NITROSODI-n-PROPYLAMINE	0	U	0.7227	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	N-NITROSODIPHENYLAMINE	0	U	0.5608	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	PENTACHLOROPHENOL	0	U	1.8454	13	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	PHENANTHRENE	0	U	0.7412	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	PHENOL	0	U	0.2784	5.2	UG/L
95-6A	24741	03-Nov-05	SW8270C	SW3510	PYRENE	0	U	1.6701	5.2	UG/L
95-6A	24741	03-Nov-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
95-6A	24741	03-Nov-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
95-6A	24741	03-Nov-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
95-6A	24741	03-Nov-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
95-6A	24741	03-Nov-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
95-6A	24741	03-Nov-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
95-6A	24741	03-Nov-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
95-6A	24741	03-Nov-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
95-6A	24741	03-Nov-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
95-6A	24741	03-Nov-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
95-6A	24741	03-Nov-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
95-6A	24741	03-Nov-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
95-6A	24741	03-Nov-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
95-6A	24741	03-Nov-05	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
95-6A	24741	03-Nov-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
95-6A	24741	03-Nov-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
95-6A	24741	03-Nov-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
95-6A	24741	03-Nov-05	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
95-6A	24741	03-Nov-05	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
95-6A	26806	06-Feb-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
95-6ED	24743	21-Sep-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
95-6ED	24743	21-Sep-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
95-6ED	24743	21-Sep-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
95-6ED	24743	21-Sep-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
95-6ED	24743	21-Sep-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
95-6ED	24743	21-Sep-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
95-6ED	24743	21-Sep-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.054	0.5	UG/L
95-6ED	24743	21-Sep-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
95-6ED	24743	21-Sep-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
95-6ED	24743	21-Sep-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
95-6ED	24743	21-Sep-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
95-6ED	24743	21-Sep-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
95-6ED	24743	21-Sep-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
95-6ED	24743	21-Sep-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
95-6ED	24743	21-Sep-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
95-6ED	24743	21-Sep-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
95-6ED	24743	21-Sep-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
95-6ED	24743	21-Sep-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
95-6ED	24743	21-Sep-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
95-6ED	24743	21-Sep-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
95-6ES	24744	21-Sep-05	CL200.7	TOTAL	ALUMINUM	0	U	65.3	65.3	UG/L
95-6ES	24744	21-Sep-05	CL200.7	TOTAL	ARSENIC	0	U	5.2	5.2	UG/L
95-6ES	24744	21-Sep-05	CL200.7	TOTAL	BARIUM	0	U	15.3	15.3	UG/L
95-6ES	24744	21-Sep-05	CL200.7	TOTAL	BERYLLIUM	0	U	0.2	1.1	UG/L
95-6ES	24744	21-Sep-05	CL200.7	TOTAL	BORON	0	U	10.5	10.5	UG/L
95-6ES	24744	21-Sep-05	CL200.7	TOTAL	CADMIUM	0	U	0.6	1	UG/L
95-6ES	24744	21-Sep-05	CL200.7	TOTAL	CALCIUM	1150	J	513	513	UG/L
95-6ES	24744	21-Sep-05	CL200.7	TOTAL	CHROMIUM, TOTAL	0	U	1.5	1.5	UG/L

Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
95-6ES	24744	21-Sep-05	CL200.7	TOTAL	COBALT	0	U	4	4	UG/L
95-6ES	24744	21-Sep-05	CL200.7	TOTAL	COPPER	0	U	3.1	3.1	UG/L
95-6ES	24744	21-Sep-05	CL200.7	TOTAL	IRON	0	U	43.8	43.8	UG/L
95-6ES	24744	21-Sep-05	CL200.7	TOTAL	LEAD	0	UJ	2.9	2.9	UG/L
95-6ES	24744	21-Sep-05	CL200.7	TOTAL	MAGNESIUM	1320	J	406	406	UG/L
95-6ES	24744	21-Sep-05	CL200.7	TOTAL	MANGANESE	8	J	1.9	1.9	UG/L
95-6ES	24744	21-Sep-05	CL200.7	TOTAL	MOLYBDENUM	0	U	4	4	UG/L
95-6ES	24744	21-Sep-05	CL200.7	TOTAL	NICKEL	0	U	4.5	4.5	UG/L
95-6ES	24744	21-Sep-05	CL200.7	TOTAL	POTASSIUM	0	U	692	692	UG/L
95-6ES	24744	21-Sep-05	CL200.7	TOTAL	SELENIUM	0	U	4	4	UG/L
95-6ES	24744	21-Sep-05	CL200.7	TOTAL	SILVER	0	U	1.9	1.9	UG/L
95-6ES	24744	21-Sep-05	CL200.7	TOTAL	SODIUM	6000		649	649	UG/L
95-6ES	24744	21-Sep-05	CL200.7	TOTAL	VANADIUM	0	U	4.8	4.8	UG/L
95-6ES	24744	21-Sep-05	CL200.7	TOTAL	ZINC	0	U	1.7	5.3	UG/L
95-6ES	24744	21-Sep-05	CL245.1	TOTAL	MERCURY	0	U	0.1	0.1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	1,1,1-TRICHLOROETHANE	0	U	0.14	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	1,1,2,2-TETRACHLOROETHANE	0	U	0.18	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	1,1,2-TRICHLOROETHANE	0	U	0.12	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	1,1-DICHLOROETHANE	0	U	0.22	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	1,1-DICHLOROETHENE	0	U	0.35	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	1,2,4-TRICHLOROBENZENE	0	U	0.51	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	1,2-DIBROMO-3-CHLOROPROPANE	0	U	0.38	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0	U	0.24	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	1,2-DICHLOROBENZENE	0	U	0.24	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	1,2-DICHLOROETHANE	0	U	0.12	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	1,2-DICHLOROPROPANE	0	U	0.26	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	1,3-DICHLOROBENZENE	0	U	0.25	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	1,4-DICHLOROBENZENE	0	U	0.32	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	2-CHLOROETHYL VINYL ETHER	0	U	0.0631	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	2-HEXANONE	0	U	0.67	5	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	ACETONE	0	U	0.79	5	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	BENZENE	0	U	0.092	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	BROMOCHLOROMETHANE	0	U	0.2	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	BROMODICHLOROMETHANE	0	U	0.21	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	BROMOFORM	0	U	0.28	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	BROMOMETHANE	0	U	0.51	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	CARBON DISULFIDE	0	U	0.21	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	CARBON TETRACHLORIDE	0	U	0.27	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	CHLOROBENZENE	0	U	0.21	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	CHLOROETHANE	0	U	0.81	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	CHLOROFORM	2		0.16	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	CHLOROMETHANE	0.4	J	0.39	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	cis-1,2-DICHLOROETHYLENE	0	U	0.15	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	cis-1,3-DICHLOROPROPENE	0	U	0.13	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	DIBROMOCHLOROMETHANE	0	U	0.26	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	DIBROMOMETHANE	0	U	0.0633	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	ETHYLBENZENE	0	U	0.089	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	METHYL ETHYL KETONE (2-BUTANONE)	0	U	1.3	5	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0	U	0.49	5	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	METHYLENE CHLORIDE	0	U	0.21	2	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	STYRENE	0	U	0.13	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	tert-BUTYL METHYL ETHER	0	U	0.0448	0.5	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	TETRACHLOROETHYLENE(PCE)	0	U	0.28	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	TOLUENE	0	U	0.17	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	trans-1,2-DICHLOROETHENE	0	U	0.11	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	trans-1,3-DICHLOROPROPENE	0	U	0.12	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	TRICHLOROETHYLENE (TCE)	0	U	0.21	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	VINYL ACETATE	0	U	0.174	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	VINYL CHLORIDE	0	U	0.22	1	UG/L
95-6ES	24744	21-Sep-05	CVOL	METHOD	XYLENES, TOTAL	0	U	0.5	1	UG/L
95-6ES	24744	21-Sep-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
95-6ES	24744	21-Sep-05	SW6020	TOTAL	ANTIMONY	0	U	0.3	0.61	UG/L
95-6ES	24744	21-Sep-05	SW6020	TOTAL	THALLIUM	0.24	J	0.1	0.1	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	1,2,4-TRICHLOROBENZENE	0	U	1.7778	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	1,2-DICHLOROBENZENE	0	U	1.2222	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	1,3-DICHLOROBENZENE	0	U	1.5556	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	1,4-DICHLOROBENZENE	0	U	1.8889	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	2,2'-OXYBIS(1-CHLORO)PROPANE	0	U	1.8889	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	2,4,5-TRICHLOROPHENOL	0	U	1.5556	14	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	2,4,6-TRICHLOROPHENOL	0	U	1.2222	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	2,4-DICHLOROPHENOL	0	U	0.9889	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	2,4-DIMETHYLPHENOL	0	U	1.7778	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	2,4-DINITROPHENOL	0	U	8.8889	14	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
95-6ES	24744	21-Sep-05	SW8270C	SW3510	2,4-DINITROTOLUENE	0	U	2	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	2,6-DINITROTOLUENE	0	U	1.6667	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	2-CHLOROBENZALDEHYDE	0	U	0.7533	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	2-CHLORONAPHTHALENE	0	U	1.6667	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	2-CHLOROPHENOL	0	U	0.8556	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	2-METHYL-3-NITROANILINE	0	U	1.4778	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	2-METHYLNAPHTHALENE	0	U	2.4444	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	2-METHYLPHENOL (o-CRESOL)	0	U	1.2222	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	2-NITROANILINE	0	U	2.3333	14	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	2-NITRODIPHENYLAMINE	0	U	0.5778	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	2-NITROPHENOL	0	U	0.9556	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	3,3'-DICHLOROBENZIDINE	0	UJ	2.2222	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	3,5-DINITROANILINE	0	UJ	0.57	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	3-CHLOROBENZALDEHYDE	0	UJ	0.7322	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	3-NITROANILINE	0	U	2.3333	14	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	4,6-DINITRO-2-METHYLPHENOL	0	U	2.8889	14	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	4-BROMOPHENYL PHENYL ETHER	0	U	2.1111	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	4-CHLORO-3-METHYLPHENOL	0	U	2.2222	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	4-CHLOROANILINE	0	U	4.4444	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	4-CHLOROBENZALDEHYDE	0	UJ	0.6533	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	4-CHLOROPHENYL PHENYL ETHER	0	U	2.5556	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	4-METHYLPHENOL (p-CRESOL)	0	U	3.7778	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	4-NITROANILINE	0	U	2.7778	14	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	4-NITROPHENOL	0	U	8.8889	14	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	5-NITRO-o-TOLUIDINE	0	U	3.3333	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	ACENAPHTHENE	0	U	2.4444	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	ACENAPHTHYLENE	0	U	2.3333	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	ANILINE (PHENYLAMINE, AMINOBENZENE)	0	U	4.4444	14	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	ANTHRACENE	0	U	2.2222	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	BENZO(a)ANTHRACENE	0	U	2.1111	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	BENZO(a)PYRENE	0	U	2	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	BENZO(b)FLUORANTHENE	0	UJ	4.3333	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	BENZO(g,h,i)PERYLENE	0	U	2.3333	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	BENZO(k)FLUORANTHENE	0	U	2.6667	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	BENZOIC ACID	0	U	2.1111	14	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	BENZYL ALCOHOL	0	U	5.3333	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	BENZYL BUTYL PHTHALATE	0	U	1.7778	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	bis(2-CHLOROETHOXY) METHANE	0	U	2.2222	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	0	U	1.8889	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	bis(2-ETHYLHEXYL) PHTHALATE	0.32	J	0.31	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	CARBAZOLE	0	U	2.3333	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	CHRYSENE	0	U	1.6667	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	DIBENZ(a,h)ANTHRACENE	0	U	2.3333	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	DIBENZOFURAN	0	U	2.5556	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	DIETHYL PHTHALATE	0	U	2.5556	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	DIMETHYL PHTHALATE	0	U	2.2222	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	DI-n-BUTYL PHTHALATE	0	U	2.5556	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	DI-n-OCTYLPHTHALATE	0	U	2.8889	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	DIPROPYL ADIPATE	0	U	0.3867	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	FLUORANTHENE	0	U	2.3333	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	FLUORENE	0	U	2.6667	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	HEXACHLOROBENZENE	0	U	1.4444	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	HEXACHLOROBUTADIENE	0	U	2.1111	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	HEXACHLOROCYCLOPENTADIENE	0	U	2.4444	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	HEXACHLOROETHANE	0	U	2.2222	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	INDENO(1,2,3-c,d)PYRENE	0	U	2.4444	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	ISOPHORONE	0	U	1.2222	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	N,N'-DIETHYLCARBANILIDE	0	U	0.4978	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	NAPHTHALENE	0	U	2.5556	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	NITROBENZENE	0	U	1.4444	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	N-NITROSODIMETHYLAMINE	0	U	0.7	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	N-NITROSODI-n-PROPYLAMINE	0	U	1.4444	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	N-NITROSODIPHENYLAMINE	0	U	1.3333	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	PENTACHLOROPHENOL	0	U	2.3333	14	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	PHENANTHRENE	0	U	2.1111	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	PHENOL	0	U	0.9667	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8270C	SW3510	PYRENE	0	U	2.1111	5.6	UG/L
95-6ES	24744	21-Sep-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
95-6ES	24744	21-Sep-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
95-6ES	24744	21-Sep-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
95-6ES	24744	21-Sep-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
95-6ES	24744	21-Sep-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
95-6ES	24744	21-Sep-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
95-6ES	24744	21-Sep-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
95-6ES	24744	21-Sep-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
95-6ES	24744	21-Sep-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
95-6ES	24744	21-Sep-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
95-6ES	24744	21-Sep-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
95-6ES	24744	21-Sep-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
95-6ES	24744	21-Sep-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
95-6ES	24744	21-Sep-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
95-6ES	24744	21-Sep-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
95-6ES	24744	21-Sep-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
95-6ES	24744	21-Sep-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
95-6ES	24744	21-Sep-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
95-6ES	24744	21-Sep-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
95-6ES	24745	21-Sep-05	CL200.7	TOTAL	ALUMINUM	0	U	65.3	65.3	UG/L
95-6ES	24745	21-Sep-05	CL200.7	TOTAL	ARSENIC	0	U	5.2	5.2	UG/L
95-6ES	24745	21-Sep-05	CL200.7	TOTAL	BARIUM	0	U	15.3	15.3	UG/L
95-6ES	24745	21-Sep-05	CL200.7	TOTAL	BERYLLIUM	0	U	0.2	0.2	UG/L
95-6ES	24745	21-Sep-05	CL200.7	TOTAL	BORON	0	U	10.5	10.5	UG/L
95-6ES	24745	21-Sep-05	CL200.7	TOTAL	CADMIUM	0	U	0.6	0.6	UG/L
95-6ES	24745	21-Sep-05	CL200.7	TOTAL	CALCIUM	1070	J	513	513	UG/L
95-6ES	24745	21-Sep-05	CL200.7	TOTAL	CHROMIUM, TOTAL	0	U	1.5	1.5	UG/L
95-6ES	24745	21-Sep-05	CL200.7	TOTAL	COBALT	0	U	4	4	UG/L
95-6ES	24745	21-Sep-05	CL200.7	TOTAL	COPPER	0	U	3.1	3.1	UG/L
95-6ES	24745	21-Sep-05	CL200.7	TOTAL	IRON	0	U	43.8	43.8	UG/L
95-6ES	24745	21-Sep-05	CL200.7	TOTAL	LEAD	0	UJ	2.9	2.9	UG/L
95-6ES	24745	21-Sep-05	CL200.7	TOTAL	MAGNESIUM	1260	J	406	406	UG/L
95-6ES	24745	21-Sep-05	CL200.7	TOTAL	MANGANESE	6.9	J	1.9	1.9	UG/L
95-6ES	24745	21-Sep-05	CL200.7	TOTAL	MOLYBDENUM	0	U	4	4	UG/L
95-6ES	24745	21-Sep-05	CL200.7	TOTAL	NICKEL	0	U	4.5	4.5	UG/L
95-6ES	24745	21-Sep-05	CL200.7	TOTAL	POTASSIUM	0	U	692	692	UG/L
95-6ES	24745	21-Sep-05	CL200.7	TOTAL	SELENIUM	4.1	J	4	4	UG/L
95-6ES	24745	21-Sep-05	CL200.7	TOTAL	SILVER	0	U	1.9	1.9	UG/L
95-6ES	24745	21-Sep-05	CL200.7	TOTAL	SODIUM	6240		649	649	UG/L
95-6ES	24745	21-Sep-05	CL200.7	TOTAL	VANADIUM	0	U	4.8	4.8	UG/L
95-6ES	24745	21-Sep-05	CL200.7	TOTAL	ZINC	0	U	1.7	3.3	UG/L
95-6ES	24745	21-Sep-05	CL245.1	TOTAL	MERCURY	0	U	0.1	0.1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	1,1,1-TRICHLOROETHANE	0	U	0.14	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	1,1,2,2-TETRACHLOROETHANE	0	U	0.18	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	1,1,2-TRICHLOROETHANE	0	U	0.12	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	1,1-DICHLOROETHANE	0	U	0.22	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	1,1-DICHLOROETHENE	0	U	0.35	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	1,2,4-TRICHLOROBENZENE	0	U	0.51	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	1,2-DIBROMO-3-CHLOROPROPANE	0	U	0.38	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0	U	0.24	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	1,2-DICHLOROBENZENE	0	U	0.24	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	1,2-DICHLOROETHANE	0	U	0.12	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	1,2-DICHLOROPROPANE	0	U	0.26	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	1,3-DICHLOROBENZENE	0	U	0.25	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	1,4-DICHLOROBENZENE	0	U	0.32	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	2-CHLOROETHYL VINYL ETHER	0	U	0.0631	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	2-HEXANONE	0	U	0.67	5	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	ACETONE	0	U	0.79	5	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	BENZENE	0	U	0.092	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	BROMOCHLOROMETHANE	0	U	0.2	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	BROMODICHLOROMETHANE	0	U	0.21	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	BROMOFORM	0	U	0.28	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	BROMOMETHANE	0	UJ	0.51	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	CARBON DISULFIDE	0	U	0.21	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	CARBON TETRACHLORIDE	0	U	0.27	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	CHLOROBENZENE	0	U	0.21	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	CHLOROETHANE	0	U	0.81	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	CHLOROFORM	2		0.16	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	CHLOROMETHANE	0.3	J	0.29	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	cis-1,2-DICHLOROETHYLENE	0	U	0.15	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	cis-1,3-DICHLOROPROPENE	0	U	0.13	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	DIBROMOCHLOROMETHANE	0	U	0.26	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	DIBROMOMETHANE	0	U	0.0633	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	ETHYLBENZENE	0	U	0.089	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	METHYL ETHYL KETONE (2-BUTANONE)	0	U	1.3	5	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0	U	0.49	5	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	METHYLENE CHLORIDE	0	U	0.21	2	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	STYRENE	0	U	0.13	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	tert-BUTYL METHYL ETHER	0	U	0.0448	0.5	UG/L

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Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
95-6ES	24745	21-Sep-05	CVOL	METHOD	TETRACHLOROETHYLENE(PCE)	0	U	0.28	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	TOLUENE	0	U	0.17	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	trans-1,2-DICHLOROETHENE	0	U	0.11	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	trans-1,3-DICHLOROPROPENE	0	U	0.12	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	TRICHLOROETHYLENE (TCE)	0	U	0.21	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	VINYL ACETATE	0	U	0.174	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	VINYL CHLORIDE	0	U	0.22	1	UG/L
95-6ES	24745	21-Sep-05	CVOL	METHOD	XYLENES, TOTAL	0	U	0.5	1	UG/L
95-6ES	24745	21-Sep-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
95-6ES	24745	21-Sep-05	SW6020	TOTAL	ANTIMONY	0	U	0.3	0.3	UG/L
95-6ES	24745	21-Sep-05	SW6020	TOTAL	THALLIUM	0	U	0.1	0.1	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	1,2,4-TRICHLOROBENZENE	0	U	1.7582	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	1,2-DICHLOROBENZENE	0	U	1.2088	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	1,3-DICHLOROBENZENE	0	U	1.5385	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	1,4-DICHLOROBENZENE	0	U	1.8681	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	2,2'-OXYBIS(1-CHLORO)PROPANE	0	U	1.8681	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	2,4,5-TRICHLOROPHENOL	0	U	1.5385	14	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	2,4,6-TRICHLOROPHENOL	0	U	1.2088	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	2,4-DICHLOROPHENOL	0	U	0.978	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	2,4-DIMETHYLPHENOL	0	U	1.7582	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	2,4-DINITROPHENOL	0	U	8.7912	14	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	2,4-DINITROTOLUENE	0	U	1.978	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	2,6-DINITROTOLUENE	0	U	1.6484	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	2-CHLOROBENZALDEHYDE	0	U	0.7451	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	2-CHLORONAPHTHALENE	0	U	1.6484	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	2-CHLOROPHENOL	0	U	0.8462	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	2-METHYL-3-NITROANILINE	0	U	1.4615	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	2-METHYLNAPHTHALENE	0	U	2.4176	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	2-METHYLPHENOL (o-CRESOL)	0	U	1.2088	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	2-NITROANILINE	0	U	2.3077	14	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	2-NITRODIPHENYLAMINE	0	U	0.5714	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	2-NITROPHENOL	0	U	0.9451	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	3,3'-DICHLOROBENZIDINE	0	UJ	2.1978	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	3,5-DINITROANILINE	0	UJ	0.5637	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	3-CHLOROBENZALDEHYDE	0	UJ	0.7242	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	3-NITROANILINE	0	U	2.3077	14	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	4,6-DINITRO-2-METHYLPHENOL	0	U	2.8571	14	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	4-BROMOPHENYL PHENYL ETHER	0	U	2.0879	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	4-CHLORO-3-METHYLPHENOL	0	U	2.1978	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	4-CHLOROANILINE	0	U	4.3956	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	4-CHLOROBENZALDEHYDE	0	UJ	0.6462	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	4-CHLOROPHENYL PHENYL ETHER	0	U	2.5275	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	4-METHYLPHENOL (p-CRESOL)	0	U	3.7363	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	4-NITROANILINE	0	U	2.7473	14	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	4-NITROPHENOL	0	U	8.7912	14	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	5-NITRO-o-TOLUIDINE	0	U	3.2967	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	ACENAPHTHENE	0	U	2.4176	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	ACENAPHTHYLENE	0	U	2.3077	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	ANILINE (PHENYLAMINE, AMINOBENZENE)	0	U	4.3956	14	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	ANTHRACENE	0	U	2.1978	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	BENZO(a)ANTHRACENE	0	U	2.0879	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	BENZO(a)PYRENE	0	U	1.978	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	BENZO(b)FLUORANTHENE	0	UJ	4.2857	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	BENZO(g,h,i)PERYLENE	0	U	2.3077	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	BENZO(k)FLUORANTHENE	0	U	2.6374	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	BENZOIC ACID	0	U	2.0879	14	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	BENZYL ALCOHOL	0	U	5.2747	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	BENZYL BUTYL PHTHALATE	0	U	1.7582	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	bis(2-CHLOROETHOXY) METHANE	0	U	2.1978	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	0	U	1.8681	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	bis(2-ETHYLHEXYL) PHTHALATE	0	U	2.8571	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	CARBAZOLE	0	U	2.3077	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	CHRYSENE	0	U	1.6484	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	DIBENZ(a,h)ANTHRACENE	0	U	2.3077	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	DIBENZOFURAN	0	U	2.5275	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	DIETHYL PHTHALATE	0	U	2.5275	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	DIMETHYL PHTHALATE	0	U	2.1978	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	DI-n-BUTYL PHTHALATE	0	U	2.5275	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	DI-n-OCTYLPHTHALATE	0	U	2.8571	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	DIPROPYL ADIPATE	0	U	0.3824	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	FLUORANTHENE	0	U	2.3077	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	FLUORENE	0	U	2.6374	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	HEXACHLOROBENZENE	0	U	1.4286	5.5	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
95-6ES	24745	21-Sep-05	SW8270C	SW3510	HEXACHLOROBUTADIENE	0	U	2.0879	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	HEXACHLOROCYCLOPENTADIENE	0	U	2.4176	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	HEXACHLOROETHANE	0	U	2.1978	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	INDENO(1,2,3-c,d)PYRENE	0	U	2.4176	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	ISOPHORONE	0	U	1.2088	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	N,N'-DIETHYLCARBANILIDE	0	U	0.4923	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	NAPHTHALENE	0	U	2.5275	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	NITROBENZENE	0	U	1.4286	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	N-NITROSODIMETHYLAMINE	0	U	0.6923	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	N-NITROSODI-n-PROPYLAMINE	0	U	1.4286	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	N-NITROSODIPHENYLAMINE	0	U	1.3187	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	PENTACHLOROPHENOL	0	U	2.3077	14	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	PHENANTHRENE	0	U	2.0879	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	PHENOL	0	U	0.956	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8270C	SW3510	PYRENE	0	U	2.0879	5.5	UG/L
95-6ES	24745	21-Sep-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
95-6ES	24745	21-Sep-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
95-6ES	24745	21-Sep-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
95-6ES	24745	21-Sep-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
95-6ES	24745	21-Sep-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
95-6ES	24745	21-Sep-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
95-6ES	24745	21-Sep-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
95-6ES	24745	21-Sep-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
95-6ES	24745	21-Sep-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
95-6ES	24745	21-Sep-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
95-6ES	24745	21-Sep-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
95-6ES	24745	21-Sep-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
95-6ES	24745	21-Sep-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
95-6ES	24745	21-Sep-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
95-6ES	24745	21-Sep-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
95-6ES	24745	21-Sep-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
95-6ES	24745	21-Sep-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
95-6ES	24745	21-Sep-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
95-6ES	24745	21-Sep-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-374	DP-374-01	17-Aug-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
DP-374	DP-374-01	17-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
DP-374	DP-374-01	17-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
DP-374	DP-374-01	17-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-374	DP-374-01	17-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
DP-374	DP-374-01	17-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-374	DP-374-01	17-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
DP-374	DP-374-01	17-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
DP-374	DP-374-01	17-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
DP-374	DP-374-01	17-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-374	DP-374-01	17-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-374	DP-374-01	17-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
DP-374	DP-374-01	17-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-374	DP-374-01	17-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
DP-374	DP-374-01	17-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
DP-374	DP-374-01	17-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	23	23	UG/L
DP-374	DP-374-01	17-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
DP-374	DP-374-01	17-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
DP-374	DP-374-01	17-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
DP-374	DP-374-01	17-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-374	DP-374-01FD	17-Aug-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
DP-374	DP-374-01FD	17-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
DP-374	DP-374-01FD	17-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
DP-374	DP-374-01FD	17-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-374	DP-374-01FD	17-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
DP-374	DP-374-01FD	17-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-374	DP-374-01FD	17-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
DP-374	DP-374-01FD	17-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
DP-374	DP-374-01FD	17-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
DP-374	DP-374-01FD	17-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-374	DP-374-01FD	17-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-374	DP-374-01FD	17-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
DP-374	DP-374-01FD	17-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-374	DP-374-01FD	17-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.36	0.36	UG/L
DP-374	DP-374-01FD	17-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
DP-374	DP-374-01FD	17-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	73	73	UG/L
DP-374	DP-374-01FD	17-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
DP-374	DP-374-01FD	17-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
DP-374	DP-374-01FD	17-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
DP-374	DP-374-01FD	17-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-374	DP-374-02	17-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
DP-374	DP-374-02	17-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
DP-374	DP-374-02	17-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-374	DP-374-02	17-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
DP-374	DP-374-02	17-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-374	DP-374-02	17-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
DP-374	DP-374-02	17-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
DP-374	DP-374-02	17-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
DP-374	DP-374-02	17-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-374	DP-374-02	17-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-374	DP-374-02	17-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
DP-374	DP-374-02	17-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-374	DP-374-02	17-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
DP-374	DP-374-02	17-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
DP-374	DP-374-02	17-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-374	DP-374-02	17-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
DP-374	DP-374-02	17-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
DP-374	DP-374-02	17-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
DP-374	DP-374-02	17-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-374	DP-374-03	17-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
DP-374	DP-374-03	17-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
DP-374	DP-374-03	17-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-374	DP-374-03	17-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
DP-374	DP-374-03	17-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-374	DP-374-03	17-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
DP-374	DP-374-03	17-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
DP-374	DP-374-03	17-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
DP-374	DP-374-03	17-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-374	DP-374-03	17-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-374	DP-374-03	17-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
DP-374	DP-374-03	17-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-374	DP-374-03	17-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
DP-374	DP-374-03	17-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
DP-374	DP-374-03	17-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-374	DP-374-03	17-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
DP-374	DP-374-03	17-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
DP-374	DP-374-03	17-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
DP-374	DP-374-03	17-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-374	DP-374-04	18-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
DP-374	DP-374-04	18-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
DP-374	DP-374-04	18-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-374	DP-374-04	18-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
DP-374	DP-374-04	18-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-374	DP-374-04	18-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
DP-374	DP-374-04	18-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
DP-374	DP-374-04	18-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
DP-374	DP-374-04	18-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-374	DP-374-04	18-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-374	DP-374-04	18-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
DP-374	DP-374-04	18-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-374	DP-374-04	18-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
DP-374	DP-374-04	18-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
DP-374	DP-374-04	18-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-374	DP-374-04	18-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
DP-374	DP-374-04	18-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
DP-374	DP-374-04	18-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
DP-374	DP-374-04	18-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-374	DP-374-05	18-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
DP-374	DP-374-05	18-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
DP-374	DP-374-05	18-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-374	DP-374-05	18-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
DP-374	DP-374-05	18-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-374	DP-374-05	18-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
DP-374	DP-374-05	18-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
DP-374	DP-374-05	18-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
DP-374	DP-374-05	18-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-374	DP-374-05	18-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-374	DP-374-05	18-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
DP-374	DP-374-05	18-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-374	DP-374-05	18-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
DP-374	DP-374-05	18-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
DP-374	DP-374-05	18-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
DP-374	DP-374-05	18-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
DP-374	DP-374-05	18-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
DP-374	DP-374-05	18-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
DP-374	DP-374-05	18-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-374	DP-374-06	18-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
DP-374	DP-374-06	18-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
DP-374	DP-374-06	18-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-374	DP-374-06	18-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
DP-374	DP-374-06	18-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-374	DP-374-06	18-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
DP-374	DP-374-06	18-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
DP-374	DP-374-06	18-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
DP-374	DP-374-06	18-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-374	DP-374-06	18-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-374	DP-374-06	18-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
DP-374	DP-374-06	18-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-374	DP-374-06	18-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
DP-374	DP-374-06	18-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
DP-374	DP-374-06	18-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-374	DP-374-06	18-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
DP-374	DP-374-06	18-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
DP-374	DP-374-06	18-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
DP-374	DP-374-06	18-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-374	DP-374-07	18-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
DP-374	DP-374-07	18-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
DP-374	DP-374-07	18-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-374	DP-374-07	18-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
DP-374	DP-374-07	18-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-374	DP-374-07	18-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
DP-374	DP-374-07	18-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
DP-374	DP-374-07	18-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
DP-374	DP-374-07	18-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-374	DP-374-07	18-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-374	DP-374-07	18-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
DP-374	DP-374-07	18-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-374	DP-374-07	18-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
DP-374	DP-374-07	18-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
DP-374	DP-374-07	18-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-374	DP-374-07	18-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
DP-374	DP-374-07	18-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
DP-374	DP-374-07	18-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
DP-374	DP-374-07	18-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-374	DP-374-08	18-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
DP-374	DP-374-08	18-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
DP-374	DP-374-08	18-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-374	DP-374-08	18-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
DP-374	DP-374-08	18-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-374	DP-374-08	18-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
DP-374	DP-374-08	18-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
DP-374	DP-374-08	18-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
DP-374	DP-374-08	18-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-374	DP-374-08	18-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-374	DP-374-08	18-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
DP-374	DP-374-08	18-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-374	DP-374-08	18-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	1.2		0.032	0.25	UG/L
DP-374	DP-374-08	18-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
DP-374	DP-374-08	18-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-374	DP-374-08	18-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
DP-374	DP-374-08	18-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
DP-374	DP-374-08	18-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
DP-374	DP-374-08	18-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-375	DP-375-01	12-Aug-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
DP-375	DP-375-01	12-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
DP-375	DP-375-01	12-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
DP-375	DP-375-01	12-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-375	DP-375-01	12-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
DP-375	DP-375-01	12-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-375	DP-375-01	12-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
DP-375	DP-375-01	12-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
DP-375	DP-375-01	12-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
DP-375	DP-375-01	12-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-01	12-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-01	12-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
DP-375	DP-375-01	12-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-01	12-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
DP-375	DP-375-01	12-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
DP-375	DP-375-01	12-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-375	DP-375-01	12-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
DP-375	DP-375-01	12-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
DP-375	DP-375-01	12-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
DP-375	DP-375-01	12-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-375	DP-375-02	12-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
DP-375	DP-375-02	12-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
DP-375	DP-375-02	12-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-375	DP-375-02	12-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
DP-375	DP-375-02	12-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-375	DP-375-02	12-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
DP-375	DP-375-02	12-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
DP-375	DP-375-02	12-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
DP-375	DP-375-02	12-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-02	12-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-02	12-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
DP-375	DP-375-02	12-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-02	12-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
DP-375	DP-375-02	12-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
DP-375	DP-375-02	12-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-375	DP-375-02	12-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
DP-375	DP-375-02	12-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
DP-375	DP-375-02	12-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
DP-375	DP-375-02	12-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-375	DP-375-03	12-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
DP-375	DP-375-03	12-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
DP-375	DP-375-03	12-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-375	DP-375-03	12-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
DP-375	DP-375-03	12-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-375	DP-375-03	12-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
DP-375	DP-375-03	12-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
DP-375	DP-375-03	12-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
DP-375	DP-375-03	12-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-03	12-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-03	12-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
DP-375	DP-375-03	12-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-03	12-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
DP-375	DP-375-03	12-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
DP-375	DP-375-03	12-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-375	DP-375-03	12-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
DP-375	DP-375-03	12-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
DP-375	DP-375-03	12-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
DP-375	DP-375-03	12-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-375	DP-375-04	12-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
DP-375	DP-375-04	12-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
DP-375	DP-375-04	12-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-375	DP-375-04	12-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
DP-375	DP-375-04	12-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-375	DP-375-04	12-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
DP-375	DP-375-04	12-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
DP-375	DP-375-04	12-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
DP-375	DP-375-04	12-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-04	12-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-04	12-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
DP-375	DP-375-04	12-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-04	12-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
DP-375	DP-375-04	12-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
DP-375	DP-375-04	12-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-375	DP-375-04	12-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
DP-375	DP-375-04	12-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
DP-375	DP-375-04	12-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
DP-375	DP-375-04	12-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-375	DP-375-05	12-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
DP-375	DP-375-05	12-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
DP-375	DP-375-05	12-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-375	DP-375-05	12-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
DP-375	DP-375-05	12-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-375	DP-375-05	12-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
DP-375	DP-375-05	12-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
DP-375	DP-375-05	12-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
DP-375	DP-375-05	12-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-05	12-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-05	12-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
DP-375	DP-375-05	12-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-05	12-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	1.1		0.032	0.25	UG/L
DP-375	DP-375-05	12-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
DP-375	DP-375-05	12-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-375	DP-375-05	12-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
DP-375	DP-375-05	12-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
DP-375	DP-375-05	12-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
DP-375	DP-375-05	12-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-375	DP-375-06	12-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
DP-375	DP-375-06	12-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
DP-375	DP-375-06	12-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-375	DP-375-06	12-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
DP-375	DP-375-06	12-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-375	DP-375-06	12-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
DP-375	DP-375-06	12-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
DP-375	DP-375-06	12-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
DP-375	DP-375-06	12-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-06	12-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-06	12-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
DP-375	DP-375-06	12-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-06	12-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.93		0.032	0.25	UG/L
DP-375	DP-375-06	12-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
DP-375	DP-375-06	12-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-375	DP-375-06	12-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
DP-375	DP-375-06	12-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
DP-375	DP-375-06	12-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
DP-375	DP-375-06	12-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-375	DP-375-07	12-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
DP-375	DP-375-07	12-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
DP-375	DP-375-07	12-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-375	DP-375-07	12-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
DP-375	DP-375-07	12-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-375	DP-375-07	12-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
DP-375	DP-375-07	12-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
DP-375	DP-375-07	12-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
DP-375	DP-375-07	12-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-07	12-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-07	12-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
DP-375	DP-375-07	12-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-07	12-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
DP-375	DP-375-07	12-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
DP-375	DP-375-07	12-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-375	DP-375-07	12-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
DP-375	DP-375-07	12-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
DP-375	DP-375-07	12-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
DP-375	DP-375-07	12-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-375	DP-375-08	12-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
DP-375	DP-375-08	12-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
DP-375	DP-375-08	12-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-375	DP-375-08	12-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
DP-375	DP-375-08	12-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-375	DP-375-08	12-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
DP-375	DP-375-08	12-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
DP-375	DP-375-08	12-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
DP-375	DP-375-08	12-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-08	12-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-08	12-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
DP-375	DP-375-08	12-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-08	12-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
DP-375	DP-375-08	12-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
DP-375	DP-375-08	12-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-375	DP-375-08	12-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
DP-375	DP-375-08	12-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
DP-375	DP-375-08	12-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
DP-375	DP-375-08	12-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-375	DP-375-10	15-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
DP-375	DP-375-10	15-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
DP-375	DP-375-10	15-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-375	DP-375-10	15-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
DP-375	DP-375-10	15-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L

Table A-7
Northwest Corner Analytical Results Table
June 2005 - December 2008

Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
DP-375	DP-375-10	15-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.054	0.5	UG/L
DP-375	DP-375-10	15-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
DP-375	DP-375-10	15-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
DP-375	DP-375-10	15-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-10	15-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-10	15-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
DP-375	DP-375-10	15-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-10	15-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
DP-375	DP-375-10	15-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
DP-375	DP-375-10	15-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-375	DP-375-10	15-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
DP-375	DP-375-10	15-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
DP-375	DP-375-10	15-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
DP-375	DP-375-10	15-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-375	DP-375-11	15-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
DP-375	DP-375-11	15-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
DP-375	DP-375-11	15-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-375	DP-375-11	15-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
DP-375	DP-375-11	15-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-375	DP-375-11	15-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.054	0.5	UG/L
DP-375	DP-375-11	15-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
DP-375	DP-375-11	15-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
DP-375	DP-375-11	15-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-11	15-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-11	15-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
DP-375	DP-375-11	15-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-11	15-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
DP-375	DP-375-11	15-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
DP-375	DP-375-11	15-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-375	DP-375-11	15-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
DP-375	DP-375-11	15-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
DP-375	DP-375-11	15-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
DP-375	DP-375-11	15-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-375	DP-375-11FD	15-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
DP-375	DP-375-11FD	15-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
DP-375	DP-375-11FD	15-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-375	DP-375-11FD	15-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
DP-375	DP-375-11FD	15-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-375	DP-375-11FD	15-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.054	0.5	UG/L
DP-375	DP-375-11FD	15-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
DP-375	DP-375-11FD	15-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
DP-375	DP-375-11FD	15-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-11FD	15-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-11FD	15-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
DP-375	DP-375-11FD	15-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-11FD	15-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
DP-375	DP-375-11FD	15-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
DP-375	DP-375-11FD	15-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-375	DP-375-11FD	15-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
DP-375	DP-375-11FD	15-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
DP-375	DP-375-11FD	15-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
DP-375	DP-375-11FD	15-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-375	DP-375-12	15-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
DP-375	DP-375-12	15-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
DP-375	DP-375-12	15-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-375	DP-375-12	15-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
DP-375	DP-375-12	15-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-375	DP-375-12	15-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.054	0.5	UG/L
DP-375	DP-375-12	15-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
DP-375	DP-375-12	15-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
DP-375	DP-375-12	15-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-12	15-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-12	15-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
DP-375	DP-375-12	15-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-12	15-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
DP-375	DP-375-12	15-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
DP-375	DP-375-12	15-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-375	DP-375-12	15-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
DP-375	DP-375-12	15-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
DP-375	DP-375-12	15-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
DP-375	DP-375-12	15-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-375	DP-375-13	15-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
DP-375	DP-375-13	15-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L

Table A-7
Northwest Corner Analytical Results Table
June 2005 - December 2008

Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
DP-375	DP-375-13	15-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-375	DP-375-13	15-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
DP-375	DP-375-13	15-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-375	DP-375-13	15-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.054	0.5	UG/L
DP-375	DP-375-13	15-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
DP-375	DP-375-13	15-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
DP-375	DP-375-13	15-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-13	15-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-13	15-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
DP-375	DP-375-13	15-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-13	15-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	1.1		0.032	0.25	UG/L
DP-375	DP-375-13	15-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
DP-375	DP-375-13	15-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-375	DP-375-13	15-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
DP-375	DP-375-13	15-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
DP-375	DP-375-13	15-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
DP-375	DP-375-13	15-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-375	DP-375-14	15-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
DP-375	DP-375-14	15-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
DP-375	DP-375-14	15-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-375	DP-375-14	15-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
DP-375	DP-375-14	15-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-375	DP-375-14	15-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.054	0.5	UG/L
DP-375	DP-375-14	15-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
DP-375	DP-375-14	15-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
DP-375	DP-375-14	15-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-14	15-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-14	15-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
DP-375	DP-375-14	15-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-375	DP-375-14	15-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	1.3		0.032	0.25	UG/L
DP-375	DP-375-14	15-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
DP-375	DP-375-14	15-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-375	DP-375-14	15-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
DP-375	DP-375-14	15-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
DP-375	DP-375-14	15-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
DP-375	DP-375-14	15-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-376	DP-376-01	24-Aug-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
DP-376	DP-376-01	24-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
DP-376	DP-376-01	24-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
DP-376	DP-376-01	24-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-376	DP-376-01	24-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
DP-376	DP-376-01	24-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-376	DP-376-01	24-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.054	0.5	UG/L
DP-376	DP-376-01	24-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
DP-376	DP-376-01	24-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
DP-376	DP-376-01	24-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-376	DP-376-01	24-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-376	DP-376-01	24-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
DP-376	DP-376-01	24-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-376	DP-376-01	24-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
DP-376	DP-376-01	24-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
DP-376	DP-376-01	24-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-376	DP-376-01	24-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
DP-376	DP-376-01	24-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
DP-376	DP-376-01	24-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
DP-376	DP-376-01	24-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-376	DP-376-02	24-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
DP-376	DP-376-02	24-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
DP-376	DP-376-02	24-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-376	DP-376-02	24-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
DP-376	DP-376-02	24-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-376	DP-376-02	24-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.054	0.5	UG/L
DP-376	DP-376-02	24-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
DP-376	DP-376-02	24-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
DP-376	DP-376-02	24-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-376	DP-376-02	24-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-376	DP-376-02	24-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
DP-376	DP-376-02	24-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-376	DP-376-02	24-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
DP-376	DP-376-02	24-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
DP-376	DP-376-02	24-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-376	DP-376-02	24-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
DP-376	DP-376-02	24-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
DP-376	DP-376-02	24-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
DP-376	DP-376-02	24-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-376	DP-376-04	25-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
DP-376	DP-376-04	25-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
DP-376	DP-376-04	25-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-376	DP-376-04	25-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
DP-376	DP-376-04	25-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-376	DP-376-04	25-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
DP-376	DP-376-04	25-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
DP-376	DP-376-04	25-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
DP-376	DP-376-04	25-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-376	DP-376-04	25-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-376	DP-376-04	25-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
DP-376	DP-376-04	25-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-376	DP-376-04	25-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
DP-376	DP-376-04	25-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
DP-376	DP-376-04	25-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-376	DP-376-04	25-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
DP-376	DP-376-04	25-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
DP-376	DP-376-04	25-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
DP-376	DP-376-04	25-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-376	DP-376-05	25-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
DP-376	DP-376-05	25-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
DP-376	DP-376-05	25-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-376	DP-376-05	25-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
DP-376	DP-376-05	25-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-376	DP-376-05	25-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
DP-376	DP-376-05	25-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
DP-376	DP-376-05	25-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
DP-376	DP-376-05	25-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-376	DP-376-05	25-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-376	DP-376-05	25-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
DP-376	DP-376-05	25-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-376	DP-376-05	25-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
DP-376	DP-376-05	25-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
DP-376	DP-376-05	25-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-376	DP-376-05	25-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
DP-376	DP-376-05	25-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
DP-376	DP-376-05	25-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
DP-376	DP-376-05	25-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-376	DP-376-06	25-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
DP-376	DP-376-06	25-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
DP-376	DP-376-06	25-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-376	DP-376-06	25-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
DP-376	DP-376-06	25-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-376	DP-376-06	25-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
DP-376	DP-376-06	25-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
DP-376	DP-376-06	25-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
DP-376	DP-376-06	25-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-376	DP-376-06	25-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-376	DP-376-06	25-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
DP-376	DP-376-06	25-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-376	DP-376-06	25-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
DP-376	DP-376-06	25-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
DP-376	DP-376-06	25-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-376	DP-376-06	25-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
DP-376	DP-376-06	25-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
DP-376	DP-376-06	25-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
DP-376	DP-376-06	25-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-376	DP-376-07	25-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
DP-376	DP-376-07	25-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
DP-376	DP-376-07	25-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-376	DP-376-07	25-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
DP-376	DP-376-07	25-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-376	DP-376-07	25-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
DP-376	DP-376-07	25-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
DP-376	DP-376-07	25-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
DP-376	DP-376-07	25-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-376	DP-376-07	25-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-376	DP-376-07	25-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
DP-376	DP-376-07	25-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-376	DP-376-07	25-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
DP-376	DP-376-07	25-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L

Table A-7
Northwest Corner Analytical Results Table
June 2005 - December 2008

Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
DP-376	DP-376-07	25-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-376	DP-376-07	25-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
DP-376	DP-376-07	25-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
DP-376	DP-376-07	25-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
DP-376	DP-376-07	25-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-376	DP-376-10	29-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
DP-376	DP-376-10	29-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
DP-376	DP-376-10	29-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-376	DP-376-10	29-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
DP-376	DP-376-10	29-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-376	DP-376-10	29-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
DP-376	DP-376-10	29-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
DP-376	DP-376-10	29-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
DP-376	DP-376-10	29-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-376	DP-376-10	29-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-376	DP-376-10	29-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
DP-376	DP-376-10	29-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-376	DP-376-10	29-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
DP-376	DP-376-10	29-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
DP-376	DP-376-10	29-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-376	DP-376-10	29-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
DP-376	DP-376-10	29-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
DP-376	DP-376-10	29-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
DP-376	DP-376-10	29-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-394	DP-394-01	31-Aug-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
DP-394	DP-394-01	31-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
DP-394	DP-394-01	31-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
DP-394	DP-394-01	31-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-394	DP-394-01	31-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
DP-394	DP-394-01	31-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-394	DP-394-01	31-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
DP-394	DP-394-01	31-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
DP-394	DP-394-01	31-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
DP-394	DP-394-01	31-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-394	DP-394-01	31-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-394	DP-394-01	31-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
DP-394	DP-394-01	31-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-394	DP-394-01	31-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
DP-394	DP-394-01	31-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
DP-394	DP-394-01	31-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-394	DP-394-01	31-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
DP-394	DP-394-01	31-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
DP-394	DP-394-01	31-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
DP-394	DP-394-01	31-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-394	DP-394-02	31-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
DP-394	DP-394-02	31-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
DP-394	DP-394-02	31-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-394	DP-394-02	31-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
DP-394	DP-394-02	31-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-394	DP-394-02	31-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
DP-394	DP-394-02	31-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
DP-394	DP-394-02	31-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
DP-394	DP-394-02	31-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-394	DP-394-02	31-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-394	DP-394-02	31-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
DP-394	DP-394-02	31-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-394	DP-394-02	31-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
DP-394	DP-394-02	31-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
DP-394	DP-394-02	31-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-394	DP-394-02	31-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
DP-394	DP-394-02	31-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
DP-394	DP-394-02	31-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
DP-394	DP-394-02	31-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-394	DP-394-03	31-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
DP-394	DP-394-03	31-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
DP-394	DP-394-03	31-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-394	DP-394-03	31-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
DP-394	DP-394-03	31-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
DP-394	DP-394-03	31-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
DP-394	DP-394-03	31-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
DP-394	DP-394-03	31-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
DP-394	DP-394-03	31-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-394	DP-394-03	31-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
DP-394	DP-394-03	31-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
DP-394	DP-394-03	31-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
DP-394	DP-394-03	31-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
DP-394	DP-394-03	31-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
DP-394	DP-394-03	31-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-394	DP-394-03	31-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
DP-394	DP-394-03	31-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
DP-394	DP-394-03	31-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
DP-394	DP-394-03	31-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
DP-405	DP-405-01	03-Nov-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
DP-405	DP-405-01	03-Nov-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
DP-405	DP-405-01	03-Nov-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
DP-405	DP-405-01	03-Nov-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
DP-405	DP-405-01	03-Nov-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
DP-405	DP-405-01	03-Nov-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
DP-405	DP-405-01	03-Nov-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
DP-405	DP-405-01	03-Nov-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
DP-405	DP-405-01	03-Nov-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
DP-405	DP-405-01	03-Nov-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
DP-405	DP-405-01	03-Nov-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
DP-405	DP-405-01	03-Nov-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
DP-405	DP-405-01	03-Nov-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
DP-405	DP-405-01	03-Nov-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
DP-405	DP-405-01	03-Nov-05	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
DP-405	DP-405-01	03-Nov-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-405	DP-405-01	03-Nov-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
DP-405	DP-405-01	03-Nov-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
DP-405	DP-405-01	03-Nov-05	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
DP-405	DP-405-01	03-Nov-05	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
DP-405	DP-405-02	03-Nov-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
DP-405	DP-405-02	03-Nov-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
DP-405	DP-405-02	03-Nov-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
DP-405	DP-405-02	03-Nov-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
DP-405	DP-405-02	03-Nov-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
DP-405	DP-405-02	03-Nov-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
DP-405	DP-405-02	03-Nov-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
DP-405	DP-405-02	03-Nov-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
DP-405	DP-405-02	03-Nov-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
DP-405	DP-405-02	03-Nov-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
DP-405	DP-405-02	03-Nov-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
DP-405	DP-405-02	03-Nov-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
DP-405	DP-405-02	03-Nov-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
DP-405	DP-405-02	03-Nov-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
DP-405	DP-405-02	03-Nov-05	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
DP-405	DP-405-02	03-Nov-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-405	DP-405-02	03-Nov-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
DP-405	DP-405-02	03-Nov-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
DP-405	DP-405-02	03-Nov-05	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
DP-405	DP-405-02	03-Nov-05	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
DP-405	DP-405-03	03-Nov-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
DP-405	DP-405-03	03-Nov-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
DP-405	DP-405-03	03-Nov-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
DP-405	DP-405-03	03-Nov-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
DP-405	DP-405-03	03-Nov-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
DP-405	DP-405-03	03-Nov-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
DP-405	DP-405-03	03-Nov-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
DP-405	DP-405-03	03-Nov-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
DP-405	DP-405-03	03-Nov-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
DP-405	DP-405-03	03-Nov-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
DP-405	DP-405-03	03-Nov-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
DP-405	DP-405-03	03-Nov-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
DP-405	DP-405-03	03-Nov-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
DP-405	DP-405-03	03-Nov-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
DP-405	DP-405-03	03-Nov-05	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
DP-405	DP-405-03	03-Nov-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-405	DP-405-03	03-Nov-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
DP-405	DP-405-03	03-Nov-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
DP-405	DP-405-03	03-Nov-05	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
DP-405	DP-405-03	03-Nov-05	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
DP-405	DP-405-04	04-Nov-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
DP-405	DP-405-04	04-Nov-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
DP-405	DP-405-04	04-Nov-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
DP-405	DP-405-04	04-Nov-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L

Table A-7
Northwest Corner Analytical Results Table
June 2005 - December 2008

Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
DP-405	DP-405-04	04-Nov-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
DP-405	DP-405-04	04-Nov-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
DP-405	DP-405-04	04-Nov-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
DP-405	DP-405-04	04-Nov-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
DP-405	DP-405-04	04-Nov-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
DP-405	DP-405-04	04-Nov-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
DP-405	DP-405-04	04-Nov-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
DP-405	DP-405-04	04-Nov-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
DP-405	DP-405-04	04-Nov-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
DP-405	DP-405-04	04-Nov-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
DP-405	DP-405-04	04-Nov-05	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
DP-405	DP-405-04	04-Nov-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
DP-405	DP-405-04	04-Nov-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
DP-405	DP-405-04	04-Nov-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
DP-405	DP-405-04	04-Nov-05	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
DP-405	DP-405-04	04-Nov-05	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
HW-2	24215	20-Jun-05	E314.0	NONE	PERCHLORATE	0.87	J	0.35	1	UG/L
HW-2	24216	20-Jun-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
HW-2	24216	20-Jun-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
HW-2	24216	20-Jun-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
HW-2	24216	20-Jun-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
HW-2	24216	20-Jun-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
HW-2	24216	20-Jun-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.054	0.5	UG/L
HW-2	24216	20-Jun-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
HW-2	24216	20-Jun-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
HW-2	24216	20-Jun-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
HW-2	24216	20-Jun-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
HW-2	24216	20-Jun-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
HW-2	24216	20-Jun-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
HW-2	24216	20-Jun-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
HW-2	24216	20-Jun-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
HW-2	24216	20-Jun-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
HW-2	24216	20-Jun-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
HW-2	24216	20-Jun-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
HW-2	24216	20-Jun-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
HW-2	24216	20-Jun-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
HW-2	26050	12-Nov-05	E314.0	NONE	PERCHLORATE	1.6		0.35	1	UG/L
HW-2	26050	12-Nov-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
HW-2	26050	12-Nov-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
HW-2	26050	12-Nov-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
HW-2	26050	12-Nov-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
HW-2	26050	12-Nov-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
HW-2	26050	12-Nov-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
HW-2	26050	12-Nov-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
HW-2	26050	12-Nov-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
HW-2	26050	12-Nov-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
HW-2	26050	12-Nov-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
HW-2	26050	12-Nov-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
HW-2	26050	12-Nov-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
HW-2	26050	12-Nov-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
HW-2	26050	12-Nov-05	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
HW-2	26050	12-Nov-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
HW-2	26050	12-Nov-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
HW-2	26050	12-Nov-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
HW-2	26050	12-Nov-05	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
HW-2	26050	12-Nov-05	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
HW-2	26826	08-Mar-06	E314.0	NONE	PERCHLORATE	1		0.35	1	UG/L
HW-2	26826	08-Mar-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
HW-2	26826	08-Mar-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
HW-2	26826	08-Mar-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
HW-2	26826	08-Mar-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
HW-2	26826	08-Mar-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
HW-2	26826	08-Mar-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
HW-2	26826	08-Mar-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
HW-2	26826	08-Mar-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
HW-2	26826	08-Mar-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
HW-2	26826	08-Mar-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
HW-2	26826	08-Mar-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
HW-2	26826	08-Mar-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
HW-2	26826	08-Mar-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
HW-2	26826	08-Mar-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
HW-2	26826	08-Mar-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
HW-2	26826	08-Mar-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
HW-2	26826	08-Mar-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
HW-2	26826	08-Mar-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
HW-2	26826	08-Mar-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
LRMW9515	24865	20-Oct-05	CL200.7	TOTAL	ALUMINUM	0	U	65.3	81	UG/L
LRMW9515	24865	20-Oct-05	CL200.7	TOTAL	ARSENIC	0	U	5.2	5.2	UG/L
LRMW9515	24865	20-Oct-05	CL200.7	TOTAL	BARIUM	0	U	15.3	15.3	UG/L
LRMW9515	24865	20-Oct-05	CL200.7	TOTAL	BERYLLIUM	0	U	0.2	0.2	UG/L
LRMW9515	24865	20-Oct-05	CL200.7	TOTAL	BORON	0	U	10.5	10.5	UG/L
LRMW9515	24865	20-Oct-05	CL200.7	TOTAL	CADMIUM	0	U	0.6	0.6	UG/L
LRMW9515	24865	20-Oct-05	CL200.7	TOTAL	CALCIUM	0	U	513	2590	UG/L
LRMW9515	24865	20-Oct-05	CL200.7	TOTAL	CHROMIUM, TOTAL	1.5	J	1.5	1.5	UG/L
LRMW9515	24865	20-Oct-05	CL200.7	TOTAL	COBALT	0	U	4	4	UG/L
LRMW9515	24865	20-Oct-05	CL200.7	TOTAL	COPPER	0	U	3.1	3.1	UG/L
LRMW9515	24865	20-Oct-05	CL200.7	TOTAL	IRON	0	U	84.3	84.3	UG/L
LRMW9515	24865	20-Oct-05	CL200.7	TOTAL	LEAD	0	U	2.9	2.9	UG/L
LRMW9515	24865	20-Oct-05	CL200.7	TOTAL	MAGNESIUM	0	U	406	1470	UG/L
LRMW9515	24865	20-Oct-05	CL200.7	TOTAL	MANGANESE	0	U	1.9	6.3	UG/L
LRMW9515	24865	20-Oct-05	CL200.7	TOTAL	MOLYBDENUM	0	U	4	4	UG/L
LRMW9515	24865	20-Oct-05	CL200.7	TOTAL	NICKEL	0	U	4.5	4.5	UG/L
LRMW9515	24865	20-Oct-05	CL200.7	TOTAL	POTASSIUM	967	J	660	660	UG/L
LRMW9515	24865	20-Oct-05	CL200.7	TOTAL	SELENIUM	0	UJ	4	4	UG/L
LRMW9515	24865	20-Oct-05	CL200.7	TOTAL	SILVER	0	U	1.9	1.9	UG/L
LRMW9515	24865	20-Oct-05	CL200.7	TOTAL	SODIUM	7130		649	649	UG/L
LRMW9515	24865	20-Oct-05	CL200.7	TOTAL	VANADIUM	0	U	4.8	4.8	UG/L
LRMW9515	24865	20-Oct-05	CL200.7	TOTAL	ZINC	0	U	1.7	5.3	UG/L
LRMW9515	24865	20-Oct-05	CL245.1	TOTAL	MERCURY	0	U	0.1	0.1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	1,1,1-TRICHLOROETHANE	0	U	0.14	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	1,1,2,2-TETRACHLOROETHANE	0	U	0.18	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	1,1,2-TRICHLOROETHANE	0	U	0.12	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	1,1-DICHLOROETHANE	0	U	0.22	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	1,1-DICHLOROETHENE	0	U	0.35	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	1,2,4-TRICHLOROBENZENE	0	U	0.51	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	1,2-DIBROMO-3-CHLOROPROPANE	0	U	0.38	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0	U	0.24	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	1,2-DICHLOROBENZENE	0	U	0.24	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	1,2-DICHLOROETHANE	0	U	0.12	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	1,2-DICHLOROPROPANE	0	U	0.26	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	1,3-DICHLOROBENZENE	0	U	0.25	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	1,4-DICHLOROBENZENE	0	U	0.32	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	2-CHLOROETHYL VINYL ETHER	0	U	0.0631	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	2-HEXANONE	0	U	0.67	5	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	ACETONE	0	U	0.79	5	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	BENZENE	0	U	0.092	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	BROMOCHLOROMETHANE	0	U	0.2	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	BROMODICHLOROMETHANE	0	U	0.21	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	BROMOFORM	0	U	0.28	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	BROMOMETHANE	0	U	0.51	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	CARBON DISULFIDE	0	U	0.21	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	CARBON TETRACHLORIDE	0	U	0.27	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	CHLOROBENZENE	0	U	0.21	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	CHLOROETHANE	0	U	0.81	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	CHLOROFORM	0.6	J	0.16	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	CHLOROMETHANE	0	UJ	0.48	2	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	cis-1,2-DICHLOROETHYLENE	0	U	0.15	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	cis-1,3-DICHLOROPROPENE	0	U	0.13	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	DIBROMOCHLOROMETHANE	0	U	0.26	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	DIBROMOMETHANE	0	U	0.0633	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	ETHYLBENZENE	0	U	0.089	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	METHYL ETHYL KETONE (2-BUTANONE)	0	U	1.3	5	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0	U	0.49	5	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	METHYLENE CHLORIDE	0	U	0.21	2	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	STYRENE	0	U	0.13	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	tert-BUTYL METHYL ETHER	0	U	0.0448	0.5	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	TETRACHLOROETHYLENE(PCE)	0	U	0.28	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	TOLUENE	0	U	0.17	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	trans-1,2-DICHLOROETHENE	0	U	0.11	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	trans-1,3-DICHLOROPROPENE	0	U	0.12	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	TRICHLOROETHYLENE (TCE)	0	U	0.21	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	VINYL ACETATE	0	U	0.174	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	VINYL CHLORIDE	0	U	0.22	1	UG/L
LRMW9515	24865	20-Oct-05	CVOL	METHOD	XYLENES, TOTAL	0	U	0.5	1	UG/L
LRMW9515	24865	20-Oct-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
LRMW9515	24865	20-Oct-05	SW6020	TOTAL	ANTIMONY	0	UJ	0.3	0.81	UG/L

Table A-7
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
LRMW9515	24865	20-Oct-05	SW6020	TOTAL	THALLIUM	0	U	0.1	0.1	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	1,2,4-TRICHLOROBENZENE	0	UJ	0.2609	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	1,2-DICHLOROBENZENE	0	UJ	0.2816	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	1,3-DICHLOROBENZENE	0	UJ	0.2793	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	1,4-DICHLOROBENZENE	0	UJ	0.3379	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	2,2'-OXYBIS(1-CHLORO)PROPANE	0	UJ	0.731	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	2,4,5-TRICHLOROPHENOL	0	UJ	1.3908	14	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	2,4,6-TRICHLOROPHENOL	0	UJ	1.3218	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	2,4-DICHLOROPHENOL	0	UJ	0.7609	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	2,4-DIMETHYLPHENOL	0	UJ	0.8655	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	2,4-DINITROPHENOL	0	UJ	1.5172	14	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	2,4-DINITROTOLUENE	0	UJ	0.8092	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	2,6-DINITROTOLUENE	0	UJ	0.6057	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	2-CHLOROBENZALDEHYDE	0	UJ	0.7793	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	2-CHLOROBENZOIC ACID	0	UJ	21.6092	29	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	2-CHLORONAPHTHALENE	0	UJ	0.2851	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	2-CHLOROPHENOL	0	UJ	0.7356	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	2-METHYL-3-NITROANILINE	0	UJ	1.5287	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	2-METHYLNAPHTHALENE	0	UJ	0.3172	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	2-METHYLPHENOL (o-CRESOL)	0	UJ	0.8644	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	2-NITROANILINE	0	UJ	1.3563	14	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	2-NITRODIPHENYLAMINE	0	UJ	0.5977	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	2-NITROPHENOL	0	UJ	0.9218	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	3,3'-DICHLOROBENZIDINE	0	UJ	2.1954	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	3,5-DINITROANILINE	0	UJ	0.5897	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	3-CHLOROBENZALDEHYDE	0	UJ	0.7575	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	3-NITROANILINE	0	UJ	2.2184	14	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	4,6-DINITRO-2-METHYLPHENOL	0	UJ	1.7011	14	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	4-BROMOPHENYL PHENYL ETHER	0	UJ	0.3667	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	4-CHLORO-3-METHYLPHENOL	0	UJ	0.946	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	4-CHLOROANILINE	0	UJ	2.6782	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	4-CHLOROBENZALDEHYDE	0	UJ	0.6759	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	4-CHLOROPHENYL PHENYL ETHER	0	UJ	0.3828	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	4-METHYLPHENOL (p-CRESOL)	0	UJ	1.5517	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	4-NITROANILINE	0	UJ	1.8966	14	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	4-NITROPHENOL	0	UJ	0.9816	14	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	5-NITRO-o-TOLUIDINE	0	UJ	1.3678	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	ACENAPHTHENE	0	UJ	0.3989	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	ACENAPHTHYLENE	0	UJ	0.5816	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	ANILINE (PHENYLAMINE, AMINOBENZENE)	0	UJ	0.446	14	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	ANTHRACENE	0	UJ	0.7425	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	BENZO(a)ANTHRACENE	0	UJ	0.808	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	BENZO(a)PYRENE	0	UJ	0.7747	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	BENZO(b)FLUORANTHENE	0	UJ	1.1954	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	BENZO(g,h,i)PERYLENE	0	UJ	1.0782	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	BENZO(k)FLUORANTHENE	0	UJ	1.2299	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	BENZOIC ACID	0	UJ	1.6667	14	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	BENZYL ALCOHOL	0	UJ	0.6471	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	BENZYL BUTYL PHTHALATE	0	UJ	1.4713	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	bis(2-CHLOROETHOXY) METHANE	0	UJ	0.6989	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	0	UJ	0.7713	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	bis(2-ETHYLHEXYL) PHTHALATE	0	UJ	1.0149	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	CARBAZOLE	0	UJ	0.923	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	CHRYSENE	0	UJ	0.831	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	DIBENZ(a,h)ANTHRACENE	0	UJ	0.9655	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	DIBENZOFURAN	0	UJ	0.677	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	DIETHYL PHTHALATE	0	UJ	0.5839	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	DIMETHYL PHTHALATE	0	UJ	0.6598	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	DI-n-BUTYL PHTHALATE	0	UJ	0.7471	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	DI-n-OCTYLPHTHALATE	0	UJ	0.8138	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	DIPROPYL ADIPATE	0	UJ	0.4	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	FLUORANTHENE	0	UJ	1.1724	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	FLUORENE	0	UJ	0.5425	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	HEXACHLOROBENZENE	0	UJ	0.4885	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	HEXACHLOROBUTADIENE	0	UJ	0.246	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	HEXACHLOROCYCLOPENTADIENE	0	UJ	0.2897	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	HEXACHLOROETHANE	0	UJ	0.2655	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	INDENO(1,2,3-c,d)PYRENE	0	UJ	0.9161	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	ISOPHORONE	0	UJ	0.5644	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	N,N'-DIETHYLCARBANILIDE	0	UJ	0.5149	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	NAPHTHALENE	0	UJ	0.3782	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	NITROBENZENE	0	UJ	0.7425	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	N-NITROSODIMETHYLAMINE	0	UJ	0.5287	5.7	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	N-NITROSODI-n-PROPYLAMINE	0	UJ	0.8057	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	N-NITROSODIPHENYLAMINE	0	UJ	0.6253	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	PENTACHLOROPHENOL	0	UJ	2.0575	14	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	PHENANTHRENE	0	UJ	0.8264	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	PHENOL	0	UJ	0.3103	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8270C	SW3510	PYRENE	0	UJ	1.8621	5.7	UG/L
LRMW9515	24865	20-Oct-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
LRMW9515	24865	20-Oct-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
LRMW9515	24865	20-Oct-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
LRMW9515	24865	20-Oct-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
LRMW9515	24865	20-Oct-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
LRMW9515	24865	20-Oct-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
LRMW9515	24865	20-Oct-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
LRMW9515	24865	20-Oct-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
LRMW9515	24865	20-Oct-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
LRMW9515	24865	20-Oct-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
LRMW9515	24865	20-Oct-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
LRMW9515	24865	20-Oct-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
LRMW9515	24865	20-Oct-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
LRMW9515	24865	20-Oct-05	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
LRMW9515	24865	20-Oct-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
LRMW9515	24865	20-Oct-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
LRMW9515	24865	20-Oct-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
LRMW9515	24865	20-Oct-05	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
LRMW9515	24865	20-Oct-05	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-270D	24240	08-Jun-05	E314.0	NONE	PERCHLORATE	1.1		0.35	1	UG/L
MW-270D	25272	01-Sep-05	E314.0	NONE	PERCHLORATE	0.99	J	0.35	1	UG/L
MW-270D	25272	01-Sep-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
MW-270D	25272	01-Sep-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
MW-270D	25272	01-Sep-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-270D	25272	01-Sep-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
MW-270D	25272	01-Sep-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-270D	25272	01-Sep-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
MW-270D	25272	01-Sep-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
MW-270D	25272	01-Sep-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
MW-270D	25272	01-Sep-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-270D	25272	01-Sep-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-270D	25272	01-Sep-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-270D	25272	01-Sep-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-270D	25272	01-Sep-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
MW-270D	25272	01-Sep-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
MW-270D	25272	01-Sep-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-270D	25272	01-Sep-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
MW-270D	25272	01-Sep-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
MW-270D	25272	01-Sep-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
MW-270D	25272	01-Sep-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
MW-270D	26315	12-Dec-05	E314.0	NONE	PERCHLORATE	0.84	J	0.35	1	UG/L
MW-270D	26966	11-Apr-06	E314.0	NONE	PERCHLORATE	0.85	J	0.35	1	UG/L
MW-270D	26967	11-Apr-06	E314.0	NONE	PERCHLORATE	0.92	J	0.35	1	UG/L
MW-270D	MW-270D-	26-Apr-07	E314.0	NONE	PERCHLORATE	0.84	J	0.35	1	UG/L
MW-270D	MW-270D-	15-Oct-07	E314.0	NONE	PERCHLORATE	0.54	J	0.35	1	UG/L
MW-270D	MW-270D_0508	12-May-08	E314.0	METHOD	PERCHLORATE	0.52	J	0.35	1	UG/L
MW-270M1	24241	08-Jun-05	E314.0	NONE	PERCHLORATE	13		0.35	1	UG/L
MW-270M1	24242	08-Jun-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
MW-270M1	24242	08-Jun-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
MW-270M1	24242	08-Jun-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-270M1	24242	08-Jun-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
MW-270M1	24242	08-Jun-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-270M1	24242	08-Jun-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.054	0.5	UG/L
MW-270M1	24242	08-Jun-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
MW-270M1	24242	08-Jun-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
MW-270M1	24242	08-Jun-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-270M1	24242	08-Jun-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-270M1	24242	08-Jun-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-270M1	24242	08-Jun-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-270M1	24242	08-Jun-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
MW-270M1	24242	08-Jun-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
MW-270M1	24242	08-Jun-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-270M1	24242	08-Jun-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
MW-270M1	24242	08-Jun-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
MW-270M1	24242	08-Jun-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
MW-270M1	24242	08-Jun-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
MW-270M1	25273	01-Sep-05	E314.0	NONE	PERCHLORATE	14.2		0.35	1	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
MW-270M1	25273	01-Sep-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
MW-270M1	25273	01-Sep-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
MW-270M1	25273	01-Sep-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-270M1	25273	01-Sep-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
MW-270M1	25273	01-Sep-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-270M1	25273	01-Sep-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
MW-270M1	25273	01-Sep-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
MW-270M1	25273	01-Sep-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
MW-270M1	25273	01-Sep-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-270M1	25273	01-Sep-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-270M1	25273	01-Sep-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-270M1	25273	01-Sep-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-270M1	25273	01-Sep-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
MW-270M1	25273	01-Sep-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
MW-270M1	25273	01-Sep-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-270M1	25273	01-Sep-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
MW-270M1	25273	01-Sep-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
MW-270M1	25273	01-Sep-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
MW-270M1	25273	01-Sep-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
MW-270M1	26316	12-Dec-05	E314.0	NONE	PERCHLORATE	14.6		0.35	1	UG/L
MW-270M1	26316	12-Dec-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-270M1	26316	12-Dec-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-270M1	26316	12-Dec-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-270M1	26316	12-Dec-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-270M1	26316	12-Dec-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-270M1	26316	12-Dec-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-270M1	26316	12-Dec-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-270M1	26316	12-Dec-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-270M1	26316	12-Dec-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-270M1	26316	12-Dec-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-270M1	26316	12-Dec-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-270M1	26316	12-Dec-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-270M1	26316	12-Dec-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
MW-270M1	26316	12-Dec-05	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-270M1	26316	12-Dec-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-270M1	26316	12-Dec-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-270M1	26316	12-Dec-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-270M1	26316	12-Dec-05	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-270M1	26316	12-Dec-05	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-270M1	26317	12-Dec-05	E314.0	NONE	PERCHLORATE	14.5		0.35	1	UG/L
MW-270M1	26317	12-Dec-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-270M1	26317	12-Dec-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-270M1	26317	12-Dec-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-270M1	26317	12-Dec-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-270M1	26317	12-Dec-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-270M1	26317	12-Dec-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-270M1	26317	12-Dec-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-270M1	26317	12-Dec-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-270M1	26317	12-Dec-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-270M1	26317	12-Dec-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-270M1	26317	12-Dec-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-270M1	26317	12-Dec-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-270M1	26317	12-Dec-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
MW-270M1	26317	12-Dec-05	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-270M1	26317	12-Dec-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-270M1	26317	12-Dec-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-270M1	26317	12-Dec-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-270M1	26317	12-Dec-05	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-270M1	26317	12-Dec-05	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-270M1	26968	11-Apr-06	E314.0	NONE	PERCHLORATE	13.5		0.35	1	UG/L
MW-270M1	27379	28-Sep-06	E314.0	NONE	PERCHLORATE	9.6		0.35	1	UG/L
MW-270M1	MW-270M1-	26-Apr-07	E314.0	NONE	PERCHLORATE	9		0.35	1	UG/L
MW-270M1	MW-270M1_0508	12-May-08	E314.0	METHOD	PERCHLORATE	5.9		0.35	1	UG/L
MW-270M1	MW-270M1_0508D	12-May-08	E314.0	METHOD	PERCHLORATE	5.7		0.35	1	UG/L
MW-270S	24238	08-Jun-05	E314.0	NONE	PERCHLORATE	1.5		0.35	1	UG/L
MW-270S	24239	08-Jun-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
MW-270S	24239	08-Jun-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
MW-270S	24239	08-Jun-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-270S	24239	08-Jun-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
MW-270S	24239	08-Jun-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-270S	24239	08-Jun-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.054	0.5	UG/L
MW-270S	24239	08-Jun-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
MW-270S	24239	08-Jun-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L

Table A-7
Northwest Corner Analytical Results Table
June 2005 - December 2008

Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
MW-270S	24239	08-Jun-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-270S	24239	08-Jun-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-270S	24239	08-Jun-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-270S	24239	08-Jun-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-270S	24239	08-Jun-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	4	UG/L
MW-270S	24239	08-Jun-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
MW-270S	24239	08-Jun-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-270S	24239	08-Jun-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
MW-270S	24239	08-Jun-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
MW-270S	24239	08-Jun-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	4	UG/L
MW-270S	24239	08-Jun-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
MW-270S	25274	01-Sep-05	E314.0	NONE	PERCHLORATE	2.2		0.35	1	UG/L
MW-270S	25274	01-Sep-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
MW-270S	25274	01-Sep-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
MW-270S	25274	01-Sep-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-270S	25274	01-Sep-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
MW-270S	25274	01-Sep-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-270S	25274	01-Sep-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
MW-270S	25274	01-Sep-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
MW-270S	25274	01-Sep-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
MW-270S	25274	01-Sep-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-270S	25274	01-Sep-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-270S	25274	01-Sep-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-270S	25274	01-Sep-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-270S	25274	01-Sep-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	2.8	UG/L
MW-270S	25274	01-Sep-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
MW-270S	25274	01-Sep-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-270S	25274	01-Sep-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
MW-270S	25274	01-Sep-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
MW-270S	25274	01-Sep-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
MW-270S	25274	01-Sep-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
MW-270S	26318	12-Dec-05	E314.0	NONE	PERCHLORATE	1.9		0.35	1	UG/L
MW-270S	26318	12-Dec-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-270S	26318	12-Dec-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-270S	26318	12-Dec-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-270S	26318	12-Dec-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-270S	26318	12-Dec-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-270S	26318	12-Dec-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-270S	26318	12-Dec-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-270S	26318	12-Dec-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-270S	26318	12-Dec-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-270S	26318	12-Dec-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-270S	26318	12-Dec-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-270S	26318	12-Dec-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-270S	26318	12-Dec-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
MW-270S	26318	12-Dec-05	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-270S	26318	12-Dec-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-270S	26318	12-Dec-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-270S	26318	12-Dec-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-270S	26318	12-Dec-05	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-270S	26318	12-Dec-05	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-270S	26969	11-Apr-06	E314.0	NONE	PERCHLORATE	2		0.35	1	UG/L
MW-270S	MW-270M2_0508	12-May-08	E314.0	METHOD	PERCHLORATE	2		0.35	1	UG/L
MW-270S	MW-270S-	26-Apr-07	E314.0	NONE	PERCHLORATE	2.3		0.35	1	UG/L
MW-277M1	24684	19-Jul-05	E314.0	NONE	PERCHLORATE	0.4	J	0.35	1	UG/L
MW-277M1	26403	28-Dec-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-277M1	26974	06-Apr-06	E314.0	NONE	PERCHLORATE	0.52	J	0.35	1	UG/L
MW-277M1	MW-277M1-	20-Apr-07	E314.0	NONE	PERCHLORATE	0.75	J	0.35	1	UG/L
MW-277M1	MW-277M1_0508	06-May-08	E314.0	METHOD	PERCHLORATE	0.69	J	0.35	1	UG/L
MW-277S	24483	20-Jun-05	E314.0	NONE	PERCHLORATE	1.5		0.35	1	UG/L
MW-277S	24681	19-Jul-05	E314.0	NONE	PERCHLORATE	1.7		0.35	1	UG/L
MW-277S	25269	26-Aug-05	E314.0	NONE	PERCHLORATE	2.3		0.35	1	UG/L
MW-277S	25519	16-Sep-05	E314.0	NONE	PERCHLORATE	2.5		0.35	1	UG/L
MW-277S	25520	16-Sep-05	E314.0	NONE	PERCHLORATE	2.5		0.35	1	UG/L
MW-277S	25993	27-Oct-05	E314.0	NONE	PERCHLORATE	2.5		0.35	1	UG/L
MW-277S	26111	05-Dec-05	E314.0	NONE	PERCHLORATE	1.9		0.35	1	UG/L
MW-277S	26112	05-Dec-05	E314.0	NONE	PERCHLORATE	1.9		0.35	1	UG/L
MW-277S	26404	28-Dec-05	E314.0	NONE	PERCHLORATE	2		0.35	1	UG/L
MW-277S	26411	28-Dec-05	E314.0	NONE	PERCHLORATE	1.6		0.35	1	UG/L
MW-277S	26975	10-Apr-06	E314.0	NONE	PERCHLORATE	2		0.35	1	UG/L
MW-277S	27374	28-Sep-06	E314.0	NONE	PERCHLORATE	3.1		0.35	1	UG/L
MW-277S	27375	28-Sep-06	E314.0	NONE	PERCHLORATE	2.7		0.35	1	UG/L
MW-277S	MW-277S-	20-Apr-07	E314.0	NONE	PERCHLORATE	2.1		0.35	1	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
MW-277S	MW-277S-	08-Oct-07	E314.0	NONE	PERCHLORATE	1.5		0.35	1	UG/L
MW-277S	MW-277S_0508	06-May-08	E314.0	METHOD	PERCHLORATE	0.89	J	0.35	1	UG/L
MW-278M1	24685	20-Jul-05	E314.0	NONE	PERCHLORATE	1.7		0.35	1	UG/L
MW-278M1	26405	27-Dec-05	E314.0	NONE	PERCHLORATE	2.4		0.35	1	UG/L
MW-278M1	26971	06-Apr-06	E314.0	NONE	PERCHLORATE	2.6		0.35	1	UG/L
MW-278M1	MW-278M1-	23-Apr-07	E314.0	NONE	PERCHLORATE	1.6		0.35	1	UG/L
MW-278M1	MW-278M1_0508	08-May-08	E314.0	METHOD	PERCHLORATE	1.5		0.35	1	UG/L
MW-278M2	24686	20-Jul-05	E314.0	NONE	PERCHLORATE	2.6		0.35	1	UG/L
MW-278M2	24687	20-Jul-05	E314.0	NONE	PERCHLORATE	2.6		0.35	1	UG/L
MW-278M2	26406	27-Dec-05	E314.0	NONE	PERCHLORATE	9.2		0.35	1	UG/L
MW-278M2	26972	06-Apr-06	E314.0	NONE	PERCHLORATE	12.4		0.35	1	UG/L
MW-278M2	MW-278M2-	23-Apr-07	E314.0	NONE	PERCHLORATE	6.2		0.35	1	UG/L
MW-278M2	MW-278M2_0508	08-May-08	E314.0	METHOD	PERCHLORATE	4.3		0.35	1	UG/L
MW-278S	24485	20-Jun-05	E314.0	NONE	PERCHLORATE	11	J	0.35	1	UG/L
MW-278S	24682	20-Jul-05	E314.0	NONE	PERCHLORATE	12.4		0.35	1	UG/L
MW-278S	25270	26-Aug-05	E314.0	NONE	PERCHLORATE	13.8		0.35	1	UG/L
MW-278S	25521	16-Sep-05	E314.0	NONE	PERCHLORATE	15.4		0.35	1	UG/L
MW-278S	25994	27-Oct-05	E314.0	NONE	PERCHLORATE	15.8		0.35	1	UG/L
MW-278S	26113	05-Dec-05	E314.0	NONE	PERCHLORATE	15.6		0.35	1	UG/L
MW-278S	26407	27-Dec-05	E314.0	NONE	PERCHLORATE	15.4		0.35	1	UG/L
MW-278S	26412	27-Dec-05	E314.0	NONE	PERCHLORATE	15.8		0.35	1	UG/L
MW-278S	26973	10-Apr-06	E314.0	NONE	PERCHLORATE	15.9		0.35	1	UG/L
MW-278S	27376	28-Sep-06	E314.0	NONE	PERCHLORATE	10.5		0.35	1	UG/L
MW-278S	MW-278S-	23-Apr-07	E314.0	NONE	PERCHLORATE	6.9		0.35	1	UG/L
MW-278S	MW-278S-	08-Oct-07	E314.0	NONE	PERCHLORATE	5.3		0.35	1	UG/L
MW-278S	MW-278S_0508	08-May-08	E314.0	METHOD	PERCHLORATE	2		0.35	1	UG/L
MW-279M1	24688	19-Jul-05	E314.0	NONE	PERCHLORATE	4		0.35	1	UG/L
MW-279M1	26984	10-Apr-06	E314.0	NONE	PERCHLORATE	8.1		0.35	1	UG/L
MW-279M1	MW-279M1-	24-Apr-07	E314.0	NONE	PERCHLORATE	3.1		0.35	1	UG/L
MW-279M1	MW-279M1_0508	08-May-08	E314.0	METHOD	PERCHLORATE	1.3		0.35	1	UG/L
MW-279M2	24689	19-Jul-05	E314.0	NONE	PERCHLORATE	10.3		0.35	1	UG/L
MW-279M2	26985	10-Apr-06	E314.0	NONE	PERCHLORATE	13.9		0.35	1	UG/L
MW-279M2	MW-279M2-	24-Apr-07	E314.0	NONE	PERCHLORATE	12		0.35	1	UG/L
MW-279M2	MW-279M2_0508	08-May-08	E314.0	METHOD	PERCHLORATE	13.4		0.35	1	UG/L
MW-279S	24486	20-Jun-05	E314.0	NONE	PERCHLORATE	13		0.35	1	UG/L
MW-279S	24683	19-Jul-05	E314.0	NONE	PERCHLORATE	16.3		0.35	1	UG/L
MW-279S	25271	26-Aug-05	E314.0	NONE	PERCHLORATE	21.1		0.35	1	UG/L
MW-279S	25522	16-Sep-05	E314.0	NONE	PERCHLORATE	24.4		0.35	1	UG/L
MW-279S	25995	27-Oct-05	E314.0	NONE	PERCHLORATE	23.9		0.35	1	UG/L
MW-279S	25996	27-Oct-05	E314.0	NONE	PERCHLORATE	23.9		0.35	1	UG/L
MW-279S	26114	05-Dec-05	E314.0	NONE	PERCHLORATE	20.4		0.35	1	UG/L
MW-279S	26410	28-Dec-05	E314.0	NONE	PERCHLORATE	9.6		0.35	1	UG/L
MW-279S	26413	28-Dec-05	E314.0	NONE	PERCHLORATE	9.5		0.35	1	UG/L
MW-279S	26986	10-Apr-06	E314.0	NONE	PERCHLORATE	10.4		0.35	1	UG/L
MW-279S	27377	28-Sep-06	E314.0	NONE	PERCHLORATE	9.2		0.35	1	UG/L
MW-279S	MW-279S-	24-Apr-07	E314.0	NONE	PERCHLORATE	2.6		0.35	1	UG/L
MW-279S	MW-279S-	11-Oct-07	E314.0	NONE	PERCHLORATE	13		0.35	1	UG/L
MW-279S	MW-279S_0508	08-May-08	E314.0	METHOD	PERCHLORATE	1.9		0.35	1	UG/L
MW-279S	MW-279S_0508D	08-May-08	E314.0	METHOD	PERCHLORATE	2		0.35	1	UG/L
MW-283M1	24411	17-Jun-05	E314.0	NONE	PERCHLORATE	2.5		0.35	1	UG/L
MW-283M1	24412	17-Jun-05	E314.0	NONE	PERCHLORATE	2.7		0.35	1	UG/L
MW-283M1	25483	19-Sep-05	E314.0	NONE	PERCHLORATE	3.8		0.35	1	UG/L
MW-283M1	25483	19-Sep-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
MW-283M1	25483	19-Sep-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
MW-283M1	25483	19-Sep-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-283M1	25483	19-Sep-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
MW-283M1	25483	19-Sep-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-283M1	25483	19-Sep-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
MW-283M1	25483	19-Sep-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
MW-283M1	25483	19-Sep-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
MW-283M1	25483	19-Sep-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-283M1	25483	19-Sep-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-283M1	25483	19-Sep-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-283M1	25483	19-Sep-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-283M1	25483	19-Sep-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
MW-283M1	25483	19-Sep-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
MW-283M1	25483	19-Sep-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-283M1	25483	19-Sep-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
MW-283M1	25483	19-Sep-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
MW-283M1	25483	19-Sep-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
MW-283M1	25483	19-Sep-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
MW-283M1	25484	19-Sep-05	E314.0	NONE	PERCHLORATE	3.8		0.35	1	UG/L
MW-283M1	25484	19-Sep-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
MW-283M1	25484	19-Sep-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
MW-283M1	25484	19-Sep-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-283M1	25484	19-Sep-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
MW-283M1	25484	19-Sep-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-283M1	25484	19-Sep-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
MW-283M1	25484	19-Sep-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
MW-283M1	25484	19-Sep-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
MW-283M1	25484	19-Sep-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-283M1	25484	19-Sep-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-283M1	25484	19-Sep-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-283M1	25484	19-Sep-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-283M1	25484	19-Sep-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
MW-283M1	25484	19-Sep-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
MW-283M1	25484	19-Sep-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-283M1	25484	19-Sep-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
MW-283M1	25484	19-Sep-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
MW-283M1	25484	19-Sep-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
MW-283M1	25484	19-Sep-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
MW-283M1	26533	09-Jan-06	E314.0	NONE	PERCHLORATE	3.7		0.35	1	UG/L
MW-283M1	26970	11-Apr-06	E314.0	NONE	PERCHLORATE	3.8		0.35	1	UG/L
MW-283M1	27404	09-Oct-06	E314.0	NONE	PERCHLORATE	3.3		0.35	1	UG/L
MW-283M1	MW-283M1-	26-Apr-07	E314.0	NONE	PERCHLORATE	3		0.35	1	UG/L
MW-283M1	MW-283M1-	16-Oct-07	E314.0	NONE	PERCHLORATE	2.3		0.35	1	UG/L
MW-283M1	MW-283M1_0508	12-May-08	E314.0	METHOD	PERCHLORATE	2.8		0.35	1	UG/L
MW-284M1	23790	10-Jun-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-284M1	23791	10-Jun-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
MW-284M1	23791	10-Jun-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
MW-284M1	23791	10-Jun-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-284M1	23791	10-Jun-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
MW-284M1	23791	10-Jun-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-284M1	23791	10-Jun-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.054	0.5	UG/L
MW-284M1	23791	10-Jun-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
MW-284M1	23791	10-Jun-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
MW-284M1	23791	10-Jun-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-284M1	23791	10-Jun-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-284M1	23791	10-Jun-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-284M1	23791	10-Jun-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-284M1	23791	10-Jun-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.9		0.032	0.25	UG/L
MW-284M1	23791	10-Jun-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
MW-284M1	23791	10-Jun-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-284M1	23791	10-Jun-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
MW-284M1	23791	10-Jun-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
MW-284M1	23791	10-Jun-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
MW-284M1	23791	10-Jun-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
MW-284M1	25485	19-Sep-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-284M1	25485	19-Sep-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
MW-284M1	25485	19-Sep-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
MW-284M1	25485	19-Sep-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-284M1	25485	19-Sep-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
MW-284M1	25485	19-Sep-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-284M1	25485	19-Sep-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
MW-284M1	25485	19-Sep-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
MW-284M1	25485	19-Sep-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
MW-284M1	25485	19-Sep-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-284M1	25485	19-Sep-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-284M1	25485	19-Sep-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-284M1	25485	19-Sep-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-284M1	25485	19-Sep-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.86		0.032	0.25	UG/L
MW-284M1	25485	19-Sep-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
MW-284M1	25485	19-Sep-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-284M1	25485	19-Sep-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
MW-284M1	25485	19-Sep-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
MW-284M1	25485	19-Sep-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
MW-284M1	25485	19-Sep-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
MW-284M1	26448	03-Jan-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-284M1	26448	03-Jan-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-284M1	26448	03-Jan-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-284M1	26448	03-Jan-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-284M1	26448	03-Jan-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-284M1	26448	03-Jan-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-284M1	26448	03-Jan-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-284M1	26448	03-Jan-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-284M1	26448	03-Jan-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
MW-284M1	26448	03-Jan-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-284M1	26448	03-Jan-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-284M1	26448	03-Jan-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-284M1	26448	03-Jan-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-284M1	26448	03-Jan-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.79		0.094	0.25	UG/L
MW-284M1	26448	03-Jan-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-284M1	26448	03-Jan-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-284M1	26448	03-Jan-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-284M1	26448	03-Jan-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-284M1	26448	03-Jan-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-284M1	26448	03-Jan-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-284M1	26918	11-Apr-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-284M1	26918	11-Apr-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-284M1	26918	11-Apr-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-284M1	26918	11-Apr-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-284M1	26918	11-Apr-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-284M1	26918	11-Apr-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-284M1	26918	11-Apr-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-284M1	26918	11-Apr-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-284M1	26918	11-Apr-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-284M1	26918	11-Apr-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-284M1	26918	11-Apr-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-284M1	26918	11-Apr-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-284M1	26918	11-Apr-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.9		0.094	0.25	UG/L
MW-284M1	26918	11-Apr-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-284M1	26918	11-Apr-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-284M1	26918	11-Apr-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-284M1	26918	11-Apr-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-284M1	26918	11-Apr-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-284M1	26918	11-Apr-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-284M1	MW-284M1-	25-Apr-07	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.021	0.25	UG/L
MW-284M1	MW-284M1-	25-Apr-07	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.021	0.25	UG/L
MW-284M1	MW-284M1-	25-Apr-07	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-284M1	MW-284M1-	25-Apr-07	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.07	0.25	UG/L
MW-284M1	MW-284M1-	25-Apr-07	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.028	0.25	UG/L
MW-284M1	MW-284M1-	25-Apr-07	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.036	0.5	UG/L
MW-284M1	MW-284M1-	25-Apr-07	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-284M1	MW-284M1-	25-Apr-07	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.023	0.25	UG/L
MW-284M1	MW-284M1-	25-Apr-07	SW8330	METHOD	2-NITROTOLUENE	0	U	0.041	0.25	UG/L
MW-284M1	MW-284M1-	25-Apr-07	SW8330	METHOD	3-NITROTOLUENE	0	U	0.063	0.25	UG/L
MW-284M1	MW-284M1-	25-Apr-07	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.022	0.25	UG/L
MW-284M1	MW-284M1-	25-Apr-07	SW8330	METHOD	4-NITROTOLUENE	0	U	0.032	0.25	UG/L
MW-284M1	MW-284M1-	25-Apr-07	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.72		0.053	0.25	UG/L
MW-284M1	MW-284M1-	25-Apr-07	SW8330	METHOD	NITROBENZENE	0	U	0.021	0.25	UG/L
MW-284M1	MW-284M1-	25-Apr-07	SW8330	METHOD	NITROGLYCERIN	0	U	1.1	5	UG/L
MW-284M1	MW-284M1-	25-Apr-07	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.067	0.25	UG/L
MW-284M1	MW-284M1-	25-Apr-07	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	2.7	10	UG/L
MW-284M1	MW-284M1-	25-Apr-07	SW8330	METHOD	PICRIC ACID	0	U	0.036	0.25	UG/L
MW-284M1	MW-284M1-	25-Apr-07	SW8330	METHOD	TETRYL	0	U	0.025	0.25	UG/L
MW-284M1	MW-284M1_0508	13-May-08	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.011	0.25	UG/L
MW-284M1	MW-284M1_0508	13-May-08	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.04	0.25	UG/L
MW-284M1	MW-284M1_0508	13-May-08	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.012	0.25	UG/L
MW-284M1	MW-284M1_0508	13-May-08	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.015	0.25	UG/L
MW-284M1	MW-284M1_0508	13-May-08	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.0097	0.25	UG/L
MW-284M1	MW-284M1_0508	13-May-08	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.011	0.5	UG/L
MW-284M1	MW-284M1_0508	13-May-08	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.017	0.25	UG/L
MW-284M1	MW-284M1_0508	13-May-08	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.018	0.25	UG/L
MW-284M1	MW-284M1_0508	13-May-08	SW8330	METHOD	2-NITROTOLUENE	0	U	0.017	0.25	UG/L
MW-284M1	MW-284M1_0508	13-May-08	SW8330	METHOD	3-NITROTOLUENE	0	U	0.017	0.25	UG/L
MW-284M1	MW-284M1_0508	13-May-08	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.022	0.25	UG/L
MW-284M1	MW-284M1_0508	13-May-08	SW8330	METHOD	4-NITROTOLUENE	0	U	0.026	0.25	UG/L
MW-284M1	MW-284M1_0508	13-May-08	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.63		0.017	0.25	UG/L
MW-284M1	MW-284M1_0508	13-May-08	SW8330	METHOD	NITROBENZENE	0	U	0.04	0.25	UG/L
MW-284M1	MW-284M1_0508	13-May-08	SW8330	METHOD	NITROGLYCERIN	0	U	0.94	5	UG/L
MW-284M1	MW-284M1_0508	13-May-08	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.018	0.25	UG/L
MW-284M1	MW-284M1_0508	13-May-08	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	1.9	10	UG/L
MW-284M1	MW-284M1_0508	13-May-08	SW8330	METHOD	PICRIC ACID	0	U	0.014	0.25	UG/L
MW-284M1	MW-284M1_0508	13-May-08	SW8330	METHOD	TETRYL	0	U	0.04	0.25	UG/L
MW-284M2	23792	10-Jun-05	E314.0	NONE	PERCHLORATE	4		0.35	1	UG/L
MW-284M2	23793	10-Jun-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
MW-284M2	23793	10-Jun-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
MW-284M2	23793	10-Jun-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-284M2	23793	10-Jun-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L

Table A-7
Northwest Corner Analytical Results Table
June 2005 - December 2008

Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
MW-284M2	23793	10-Jun-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-284M2	23793	10-Jun-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.054	0.5	UG/L
MW-284M2	23793	10-Jun-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
MW-284M2	23793	10-Jun-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
MW-284M2	23793	10-Jun-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-284M2	23793	10-Jun-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-284M2	23793	10-Jun-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-284M2	23793	10-Jun-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-284M2	23793	10-Jun-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.28		0.032	0.25	UG/L
MW-284M2	23793	10-Jun-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
MW-284M2	23793	10-Jun-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-284M2	23793	10-Jun-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
MW-284M2	23793	10-Jun-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
MW-284M2	23793	10-Jun-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
MW-284M2	23793	10-Jun-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
MW-284M2	23794	10-Jun-05	E314.0	NONE	PERCHLORATE	4.2		0.35	1	UG/L
MW-284M2	23795	10-Jun-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
MW-284M2	23795	10-Jun-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
MW-284M2	23795	10-Jun-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-284M2	23795	10-Jun-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
MW-284M2	23795	10-Jun-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-284M2	23795	10-Jun-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.054	0.5	UG/L
MW-284M2	23795	10-Jun-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
MW-284M2	23795	10-Jun-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
MW-284M2	23795	10-Jun-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-284M2	23795	10-Jun-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-284M2	23795	10-Jun-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-284M2	23795	10-Jun-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-284M2	23795	10-Jun-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.27		0.032	0.25	UG/L
MW-284M2	23795	10-Jun-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
MW-284M2	23795	10-Jun-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-284M2	23795	10-Jun-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
MW-284M2	23795	10-Jun-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
MW-284M2	23795	10-Jun-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
MW-284M2	23795	10-Jun-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
MW-284M2	25486	19-Sep-05	E314.0	NONE	PERCHLORATE	4.1		0.35	1	UG/L
MW-284M2	25486	19-Sep-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
MW-284M2	25486	19-Sep-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
MW-284M2	25486	19-Sep-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-284M2	25486	19-Sep-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
MW-284M2	25486	19-Sep-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-284M2	25486	19-Sep-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
MW-284M2	25486	19-Sep-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
MW-284M2	25486	19-Sep-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
MW-284M2	25486	19-Sep-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-284M2	25486	19-Sep-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-284M2	25486	19-Sep-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-284M2	25486	19-Sep-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-284M2	25486	19-Sep-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.31	J	0.032	0.25	UG/L
MW-284M2	25486	19-Sep-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
MW-284M2	25486	19-Sep-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-284M2	25486	19-Sep-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
MW-284M2	25486	19-Sep-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
MW-284M2	25486	19-Sep-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
MW-284M2	25486	19-Sep-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
MW-284M2	26449	03-Jan-06	E314.0	NONE	PERCHLORATE	4.2		0.35	1	UG/L
MW-284M2	26449	03-Jan-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-284M2	26449	03-Jan-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-284M2	26449	03-Jan-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-284M2	26449	03-Jan-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-284M2	26449	03-Jan-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-284M2	26449	03-Jan-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-284M2	26449	03-Jan-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-284M2	26449	03-Jan-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-284M2	26449	03-Jan-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-284M2	26449	03-Jan-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-284M2	26449	03-Jan-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-284M2	26449	03-Jan-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-284M2	26449	03-Jan-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.27	J	0.094	0.25	UG/L
MW-284M2	26449	03-Jan-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-284M2	26449	03-Jan-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-284M2	26449	03-Jan-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-284M2	26449	03-Jan-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L

Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
MW-284M2	26449	03-Jan-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-284M2	26449	03-Jan-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-284M2	26919	11-Apr-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-284M2	26919	11-Apr-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-284M2	26919	11-Apr-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-284M2	26919	11-Apr-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-284M2	26919	11-Apr-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-284M2	26919	11-Apr-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-284M2	26919	11-Apr-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-284M2	26919	11-Apr-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-284M2	26919	11-Apr-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-284M2	26919	11-Apr-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-284M2	26919	11-Apr-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-284M2	26919	11-Apr-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-284M2	26919	11-Apr-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.25		0.094	0.25	UG/L
MW-284M2	26919	11-Apr-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-284M2	26919	11-Apr-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-284M2	26919	11-Apr-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-284M2	26919	11-Apr-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-284M2	26919	11-Apr-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-284M2	26919	11-Apr-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-284M2	26920	11-Apr-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-284M2	26920	11-Apr-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-284M2	26920	11-Apr-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-284M2	26920	11-Apr-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-284M2	26920	11-Apr-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-284M2	26920	11-Apr-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-284M2	26920	11-Apr-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-284M2	26920	11-Apr-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-284M2	26920	11-Apr-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-284M2	26920	11-Apr-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-284M2	26920	11-Apr-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-284M2	26920	11-Apr-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-284M2	26920	11-Apr-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.27		0.094	0.25	UG/L
MW-284M2	26920	11-Apr-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-284M2	26920	11-Apr-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-284M2	26920	11-Apr-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-284M2	26920	11-Apr-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-284M2	26920	11-Apr-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-284M2	26920	11-Apr-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-284M2	27403	09-Oct-06	E314.0	NONE	PERCHLORATE	4.9		0.35	1	UG/L
MW-284M2	MW-284M2-	25-Apr-07	E314.0	NONE	PERCHLORATE	5.1		0.35	1	UG/L
MW-284M2	MW-284M2-	11-Oct-07	E314.0	NONE	PERCHLORATE	5.5		0.35	1	UG/L
MW-284M2	MW-284M2-	25-Apr-07	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.021	0.25	UG/L
MW-284M2	MW-284M2-	11-Oct-07	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.021	0.25	UG/L
MW-284M2	MW-284M2-	25-Apr-07	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.021	0.25	UG/L
MW-284M2	MW-284M2-	11-Oct-07	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.021	0.25	UG/L
MW-284M2	MW-284M2-	25-Apr-07	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-284M2	MW-284M2-	11-Oct-07	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-284M2	MW-284M2-	25-Apr-07	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.07	0.25	UG/L
MW-284M2	MW-284M2-	11-Oct-07	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.07	0.25	UG/L
MW-284M2	MW-284M2-	25-Apr-07	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.028	0.25	UG/L
MW-284M2	MW-284M2-	11-Oct-07	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.028	0.25	UG/L
MW-284M2	MW-284M2-	25-Apr-07	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.036	0.5	UG/L
MW-284M2	MW-284M2-	11-Oct-07	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.036	0.5	UG/L
MW-284M2	MW-284M2-	25-Apr-07	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-284M2	MW-284M2-	11-Oct-07	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-284M2	MW-284M2-	25-Apr-07	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.023	0.25	UG/L
MW-284M2	MW-284M2-	11-Oct-07	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.023	0.25	UG/L
MW-284M2	MW-284M2-	25-Apr-07	SW8330	METHOD	2-NITROTOLUENE	0	U	0.041	0.25	UG/L
MW-284M2	MW-284M2-	11-Oct-07	SW8330	METHOD	2-NITROTOLUENE	0	U	0.041	0.25	UG/L
MW-284M2	MW-284M2-	25-Apr-07	SW8330	METHOD	3-NITROTOLUENE	0	U	0.063	0.25	UG/L
MW-284M2	MW-284M2-	11-Oct-07	SW8330	METHOD	3-NITROTOLUENE	0	U	0.063	0.25	UG/L
MW-284M2	MW-284M2-	25-Apr-07	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.022	0.25	UG/L
MW-284M2	MW-284M2-	11-Oct-07	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.022	0.25	UG/L
MW-284M2	MW-284M2-	25-Apr-07	SW8330	METHOD	4-NITROTOLUENE	0	U	0.032	0.25	UG/L
MW-284M2	MW-284M2-	11-Oct-07	SW8330	METHOD	4-NITROTOLUENE	0	U	0.032	0.25	UG/L
MW-284M2	MW-284M2-	25-Apr-07	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.053	0.25	UG/L
MW-284M2	MW-284M2-	11-Oct-07	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.25		0.053	0.25	UG/L
MW-284M2	MW-284M2-	25-Apr-07	SW8330	METHOD	NITROBENZENE	0	U	0.021	0.25	UG/L
MW-284M2	MW-284M2-	11-Oct-07	SW8330	METHOD	NITROBENZENE	0	U	0.021	0.25	UG/L
MW-284M2	MW-284M2-	25-Apr-07	SW8330	METHOD	NITROGLYCERIN	0	U	1.1	5	UG/L
MW-284M2	MW-284M2-	11-Oct-07	SW8330	METHOD	NITROGLYCERIN	0	U	1.1	5	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
MW-284M2	MW-284M2-	25-Apr-07	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.067	0.25	UG/L
MW-284M2	MW-284M2-	11-Oct-07	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.067	0.25	UG/L
MW-284M2	MW-284M2-	25-Apr-07	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	2.7	10	UG/L
MW-284M2	MW-284M2-	11-Oct-07	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	2.7	10	UG/L
MW-284M2	MW-284M2-	25-Apr-07	SW8330	METHOD	PICRIC ACID	0	U	0.036	0.25	UG/L
MW-284M2	MW-284M2-	11-Oct-07	SW8330	METHOD	PICRIC ACID	0	U	0.036	0.25	UG/L
MW-284M2	MW-284M2-	25-Apr-07	SW8330	METHOD	TETRYL	0	U	0.025	0.25	UG/L
MW-284M2	MW-284M2-	11-Oct-07	SW8330	METHOD	TETRYL	0	U	0.025	0.25	UG/L
MW-284M2	MW-284M2_0508	13-May-08	E314.0	METHOD	PERCHLORATE	5.9		0.35	1	UG/L
MW-284M2	MW-284M2_0508	13-May-08	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.011	0.25	UG/L
MW-284M2	MW-284M2_0508	13-May-08	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.04	0.25	UG/L
MW-284M2	MW-284M2_0508	13-May-08	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.012	0.25	UG/L
MW-284M2	MW-284M2_0508	13-May-08	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.015	0.25	UG/L
MW-284M2	MW-284M2_0508	13-May-08	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.0097	0.25	UG/L
MW-284M2	MW-284M2_0508	13-May-08	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.011	0.5	UG/L
MW-284M2	MW-284M2_0508	13-May-08	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.017	0.25	UG/L
MW-284M2	MW-284M2_0508	13-May-08	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.018	0.25	UG/L
MW-284M2	MW-284M2_0508	13-May-08	SW8330	METHOD	2-NITROTOLUENE	0	U	0.017	0.25	UG/L
MW-284M2	MW-284M2_0508	13-May-08	SW8330	METHOD	3-NITROTOLUENE	0	U	0.017	0.25	UG/L
MW-284M2	MW-284M2_0508	13-May-08	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.022	0.25	UG/L
MW-284M2	MW-284M2_0508	13-May-08	SW8330	METHOD	4-NITROTOLUENE	0	U	0.026	0.25	UG/L
MW-284M2	MW-284M2_0508	13-May-08	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.017	0.25	UG/L
MW-284M2	MW-284M2_0508	13-May-08	SW8330	METHOD	NITROBENZENE	0	U	0.04	0.25	UG/L
MW-284M2	MW-284M2_0508	13-May-08	SW8330	METHOD	NITROGLYCERIN	0	U	0.94	5	UG/L
MW-284M2	MW-284M2_0508	13-May-08	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.018	0.25	UG/L
MW-284M2	MW-284M2_0508	13-May-08	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	1.9	10	UG/L
MW-284M2	MW-284M2_0508	13-May-08	SW8330	METHOD	PICRIC ACID	0	U	0.014	0.25	UG/L
MW-284M2	MW-284M2_0508	13-May-08	SW8330	METHOD	TETRYL	0	U	0.04	0.25	UG/L
MW-284M2	MW-284M2_0508D	13-May-08	E314.0	METHOD	PERCHLORATE	5.9		0.35	1	UG/L
MW-284M2	MW-284M2_0508D	13-May-08	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.011	0.25	UG/L
MW-284M2	MW-284M2_0508D	13-May-08	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.04	0.25	UG/L
MW-284M2	MW-284M2_0508D	13-May-08	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.012	0.25	UG/L
MW-284M2	MW-284M2_0508D	13-May-08	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.015	0.25	UG/L
MW-284M2	MW-284M2_0508D	13-May-08	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.0097	0.25	UG/L
MW-284M2	MW-284M2_0508D	13-May-08	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.011	0.5	UG/L
MW-284M2	MW-284M2_0508D	13-May-08	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.017	0.25	UG/L
MW-284M2	MW-284M2_0508D	13-May-08	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.018	0.25	UG/L
MW-284M2	MW-284M2_0508D	13-May-08	SW8330	METHOD	2-NITROTOLUENE	0	U	0.017	0.25	UG/L
MW-284M2	MW-284M2_0508D	13-May-08	SW8330	METHOD	3-NITROTOLUENE	0	U	0.017	0.25	UG/L
MW-284M2	MW-284M2_0508D	13-May-08	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.022	0.25	UG/L
MW-284M2	MW-284M2_0508D	13-May-08	SW8330	METHOD	4-NITROTOLUENE	0	U	0.026	0.25	UG/L
MW-284M2	MW-284M2_0508D	13-May-08	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.017	0.25	UG/L
MW-284M2	MW-284M2_0508D	13-May-08	SW8330	METHOD	NITROBENZENE	0	U	0.04	0.25	UG/L
MW-284M2	MW-284M2_0508D	13-May-08	SW8330	METHOD	NITROGLYCERIN	0	U	0.94	5	UG/L
MW-284M2	MW-284M2_0508D	13-May-08	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.018	0.25	UG/L
MW-284M2	MW-284M2_0508D	13-May-08	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	1.9	10	UG/L
MW-284M2	MW-284M2_0508D	13-May-08	SW8330	METHOD	PICRIC ACID	0	U	0.014	0.25	UG/L
MW-284M2	MW-284M2_0508D	13-May-08	SW8330	METHOD	TETRYL	0	U	0.04	0.25	UG/L
MW-284M2	MW-284M2-FD	25-Apr-07	E314.0	NONE	PERCHLORATE	5.2		0.35	1	UG/L
MW-284M2	MW-284M2-FD	11-Oct-07	E314.0	NONE	PERCHLORATE	5.6		0.35	1	UG/L
MW-284M2	MW-284M2-FD	25-Apr-07	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.021	0.25	UG/L
MW-284M2	MW-284M2-FD	11-Oct-07	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.021	0.25	UG/L
MW-284M2	MW-284M2-FD	25-Apr-07	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.021	0.25	UG/L
MW-284M2	MW-284M2-FD	11-Oct-07	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.021	0.25	UG/L
MW-284M2	MW-284M2-FD	25-Apr-07	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-284M2	MW-284M2-FD	11-Oct-07	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-284M2	MW-284M2-FD	25-Apr-07	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.07	0.25	UG/L
MW-284M2	MW-284M2-FD	11-Oct-07	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.07	0.25	UG/L
MW-284M2	MW-284M2-FD	25-Apr-07	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.028	0.25	UG/L
MW-284M2	MW-284M2-FD	11-Oct-07	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.028	0.25	UG/L
MW-284M2	MW-284M2-FD	25-Apr-07	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.036	0.5	UG/L
MW-284M2	MW-284M2-FD	11-Oct-07	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.036	0.5	UG/L
MW-284M2	MW-284M2-FD	25-Apr-07	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-284M2	MW-284M2-FD	11-Oct-07	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-284M2	MW-284M2-FD	25-Apr-07	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.023	0.25	UG/L
MW-284M2	MW-284M2-FD	11-Oct-07	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.023	0.25	UG/L
MW-284M2	MW-284M2-FD	25-Apr-07	SW8330	METHOD	2-NITROTOLUENE	0	U	0.041	0.25	UG/L
MW-284M2	MW-284M2-FD	11-Oct-07	SW8330	METHOD	2-NITROTOLUENE	0	U	0.041	0.25	UG/L
MW-284M2	MW-284M2-FD	25-Apr-07	SW8330	METHOD	3-NITROTOLUENE	0	U	0.063	0.25	UG/L
MW-284M2	MW-284M2-FD	11-Oct-07	SW8330	METHOD	3-NITROTOLUENE	0	U	0.063	0.25	UG/L
MW-284M2	MW-284M2-FD	25-Apr-07	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.022	0.25	UG/L
MW-284M2	MW-284M2-FD	11-Oct-07	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.022	0.25	UG/L
MW-284M2	MW-284M2-FD	25-Apr-07	SW8330	METHOD	4-NITROTOLUENE	0	U	0.032	0.25	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
MW-284M2	MW-284M2-FD	11-Oct-07	SW8330	METHOD	4-NITROTOLUENE	0	U	0.032	0.25	UG/L
MW-284M2	MW-284M2-FD	25-Apr-07	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.053	0.25	UG/L
MW-284M2	MW-284M2-FD	11-Oct-07	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.25		0.053	0.25	UG/L
MW-284M2	MW-284M2-FD	25-Apr-07	SW8330	METHOD	NITROBENZENE	0	U	0.021	0.25	UG/L
MW-284M2	MW-284M2-FD	11-Oct-07	SW8330	METHOD	NITROBENZENE	0	U	0.021	0.25	UG/L
MW-284M2	MW-284M2-FD	25-Apr-07	SW8330	METHOD	NITROGLYCERIN	0	U	1.1	5	UG/L
MW-284M2	MW-284M2-FD	11-Oct-07	SW8330	METHOD	NITROGLYCERIN	0	U	1.1	5	UG/L
MW-284M2	MW-284M2-FD	25-Apr-07	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.067	0.25	UG/L
MW-284M2	MW-284M2-FD	11-Oct-07	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.067	0.25	UG/L
MW-284M2	MW-284M2-FD	25-Apr-07	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	2.7	10	UG/L
MW-284M2	MW-284M2-FD	11-Oct-07	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	2.7	10	UG/L
MW-284M2	MW-284M2-FD	25-Apr-07	SW8330	METHOD	PICRIC ACID	0	U	0.036	0.25	UG/L
MW-284M2	MW-284M2-FD	11-Oct-07	SW8330	METHOD	PICRIC ACID	0	U	0.036	0.25	UG/L
MW-284M2	MW-284M2-FD	25-Apr-07	SW8330	METHOD	TETRYL	0	U	0.025	0.25	UG/L
MW-284M2	MW-284M2-FD	11-Oct-07	SW8330	METHOD	TETRYL	0	U	0.025	0.25	UG/L
MW-287M1	24263	13-Jun-05	E314.0	NONE	PERCHLORATE	0.71	J	0.35	1	UG/L
MW-287M1	24694	20-Jul-05	E314.0	NONE	PERCHLORATE	0.38	J	0.35	1	UG/L
MW-287M1	26242	08-Dec-05	E314.0	NONE	PERCHLORATE	0.43	J	0.35	1	UG/L
MW-287S	24264	14-Jun-05	E314.0	NONE	PERCHLORATE	0.98	J	0.35	1	UG/L
MW-287S	24695	20-Jul-05	E314.0	NONE	PERCHLORATE	0.72	J	0.35	1	UG/L
MW-287S	26243	08-Dec-05	E314.0	NONE	PERCHLORATE	0.96	J	0.35	1	UG/L
MW-297M1	25488	16-Sep-05	E314.0	NONE	PERCHLORATE	1.9		0.35	1	UG/L
MW-297M1	25489	16-Sep-05	E314.0	NONE	PERCHLORATE	1.8		0.35	1	UG/L
MW-297M1	26440	21-Dec-05	E314.0	NONE	PERCHLORATE	1.5		0.35	1	UG/L
MW-297M1	26976	10-Apr-06	E314.0	NONE	PERCHLORATE	2.1		0.35	1	UG/L
MW-297M1	MW-297M1-	25-Apr-07	E314.0	NONE	PERCHLORATE	2.6		0.35	1	UG/L
MW-297M1	MW-297M1_0508	13-May-08	E314.0	METHOD	PERCHLORATE	2.3		0.35	1	UG/L
MW-297S	25490	19-Sep-05	E314.0	NONE	PERCHLORATE	1.8		0.35	1	UG/L
MW-297S	26441	16-Jan-06	E314.0	NONE	PERCHLORATE	1.8		0.35	1	UG/L
MW-297S	26977	10-Apr-06	E314.0	NONE	PERCHLORATE	1.8		0.35	1	UG/L
MW-298M1	24876	15-Aug-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-298M2	24877	15-Aug-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-298M2	24879	15-Aug-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-298M2	26234	08-Dec-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-298S	24878	15-Aug-05	E314.0	NONE	PERCHLORATE	0.76	J	0.35	1	UG/L
MW-298S	26235	08-Dec-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-298S	26987	12-Apr-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-298S	MW-298S-	23-Apr-07	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-298S	MW-298S_0508	16-May-08	E314.0	METHOD	PERCHLORATE	0	U	0.35	1	UG/L
MW-299M1	25481	19-Sep-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-299S	25482	19-Sep-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-301M1	25240	26-Aug-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-301M1	25240	26-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
MW-301M1	25240	26-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
MW-301M1	25240	26-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-301M1	25240	26-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
MW-301M1	25240	26-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-301M1	25240	26-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
MW-301M1	25240	26-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
MW-301M1	25240	26-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
MW-301M1	25240	26-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-301M1	25240	26-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-301M1	25240	26-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-301M1	25240	26-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-301M1	25240	26-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
MW-301M1	25240	26-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
MW-301M1	25240	26-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-301M1	25240	26-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
MW-301M1	25240	26-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
MW-301M1	25240	26-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
MW-301M1	25240	26-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
MW-301S	24257	17-Jun-05	E314.0	NONE	PERCHLORATE	1.3		0.35	1	UG/L
MW-301S	25241	26-Aug-05	E314.0	NONE	PERCHLORATE	1.9		0.35	1	UG/L
MW-301S	25241	26-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
MW-301S	25241	26-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
MW-301S	25241	26-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-301S	25241	26-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
MW-301S	25241	26-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-301S	25241	26-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
MW-301S	25241	26-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
MW-301S	25241	26-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
MW-301S	25241	26-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-301S	25241	26-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
MW-301S	25241	26-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-301S	25241	26-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-301S	25241	26-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
MW-301S	25241	26-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
MW-301S	25241	26-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-301S	25241	26-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
MW-301S	25241	26-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
MW-301S	25241	26-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
MW-301S	25241	26-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
MW-301S	26236	07-Dec-05	E314.0	NONE	PERCHLORATE	2		0.35	1	UG/L
MW-309M1	23934	10-Jun-05	E314.0	NONE	PERCHLORATE	4.2		0.35	1	UG/L
MW-309M1	25243	25-Aug-05	E314.0	NONE	PERCHLORATE	4.1		0.35	1	UG/L
MW-309M1	25243	25-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
MW-309M1	25243	25-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
MW-309M1	25243	25-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-309M1	25243	25-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
MW-309M1	25243	25-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-309M1	25243	25-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
MW-309M1	25243	25-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
MW-309M1	25243	25-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
MW-309M1	25243	25-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-309M1	25243	25-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-309M1	25243	25-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-309M1	25243	25-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-309M1	25243	25-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
MW-309M1	25243	25-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
MW-309M1	25243	25-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-309M1	25243	25-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
MW-309M1	25243	25-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
MW-309M1	25243	25-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
MW-309M1	25243	25-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
MW-309M1	26237	13-Dec-05	E314.0	NONE	PERCHLORATE	3		0.35	1	UG/L
MW-309M1	26916	27-Mar-06	E314.0	NONE	PERCHLORATE	2.6		0.35	1	UG/L
MW-309M1	27406	09-Oct-06	E314.0	NONE	PERCHLORATE	1.9		0.35	1	UG/L
MW-309M1	MW-309M1-	25-Apr-07	E314.0	NONE	PERCHLORATE	1.7	J	0.35	1	UG/L
MW-309M1	MW-309M1-	15-Oct-07	E314.0	NONE	PERCHLORATE	0.82	J	0.35	1	UG/L
MW-309M1	MW-309M1_0508	13-May-08	E314.0	METHOD	PERCHLORATE	0.7	J	0.35	1	UG/L
MW-309M1	MW-309M1-FD	25-Apr-07	E314.0	NONE	PERCHLORATE	2.5	J	0.35	1	UG/L
MW-309S	23935	10-Jun-05	E314.0	NONE	PERCHLORATE	3.7		0.35	1	UG/L
MW-309S	25244	25-Aug-05	E314.0	NONE	PERCHLORATE	3.9		0.35	1	UG/L
MW-309S	25244	25-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
MW-309S	25244	25-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
MW-309S	25244	25-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-309S	25244	25-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
MW-309S	25244	25-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-309S	25244	25-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
MW-309S	25244	25-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
MW-309S	25244	25-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
MW-309S	25244	25-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-309S	25244	25-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-309S	25244	25-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-309S	25244	25-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-309S	25244	25-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
MW-309S	25244	25-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
MW-309S	25244	25-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-309S	25244	25-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
MW-309S	25244	25-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
MW-309S	25244	25-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
MW-309S	25244	25-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
MW-309S	26238	13-Dec-05	E314.0	NONE	PERCHLORATE	3.4		0.35	1	UG/L
MW-309S	26917	27-Mar-06	E314.0	NONE	PERCHLORATE	2.6		0.35	1	UG/L
MW-309S	27405	09-Oct-06	E314.0	NONE	PERCHLORATE	2.1		0.35	1	UG/L
MW-309S	MW-309S-	25-Apr-07	E314.0	NONE	PERCHLORATE	1.7	J	0.35	1	UG/L
MW-309S	MW-309S-	15-Oct-07	E314.0	NONE	PERCHLORATE	1		0.35	1	UG/L
MW-309S	MW-309S_0508	13-May-08	E314.0	METHOD	PERCHLORATE	0.8	J	0.35	1	UG/L
MW-314M1	23649	10-Jun-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-314M1	25096	16-Aug-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-314M1	25098	16-Aug-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-314M1	26239	13-Dec-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-314M1	26240	13-Dec-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-314S	23650	10-Jun-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-314S	25097	16-Aug-05	E314.0	NONE	PERCHLORATE	0.41	J	0.35	1	UG/L
MW-314S	26241	13-Dec-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
MW-314S	26924	12-Apr-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-314S	MW-314S-	25-Apr-07	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-314S	MW-314S_0508	13-May-08	E314.0	METHOD	PERCHLORATE	0.47	J	0.35	1	UG/L
MW-323M1	23636	15-Jun-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-323M1	23637	15-Jun-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
MW-323M1	23637	15-Jun-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
MW-323M1	23637	15-Jun-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-323M1	23637	15-Jun-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
MW-323M1	23637	15-Jun-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-323M1	23637	15-Jun-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.054	0.5	UG/L
MW-323M1	23637	15-Jun-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
MW-323M1	23637	15-Jun-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
MW-323M1	23637	15-Jun-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-323M1	23637	15-Jun-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-323M1	23637	15-Jun-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-323M1	23637	15-Jun-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-323M1	23637	15-Jun-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	1.1	J	0.032	0.25	UG/L
MW-323M1	23637	15-Jun-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
MW-323M1	23637	15-Jun-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-323M1	23637	15-Jun-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
MW-323M1	23637	15-Jun-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
MW-323M1	23637	15-Jun-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
MW-323M1	23637	15-Jun-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
MW-323M1	24691	20-Jul-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-323M1	24691	20-Jul-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
MW-323M1	24691	20-Jul-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
MW-323M1	24691	20-Jul-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-323M1	24691	20-Jul-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
MW-323M1	24691	20-Jul-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-323M1	24691	20-Jul-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
MW-323M1	24691	20-Jul-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
MW-323M1	24691	20-Jul-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
MW-323M1	24691	20-Jul-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-323M1	24691	20-Jul-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-323M1	24691	20-Jul-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-323M1	24691	20-Jul-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-323M1	24691	20-Jul-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	1.2	J	0.032	0.25	UG/L
MW-323M1	24691	20-Jul-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITROSO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
MW-323M1	24691	20-Jul-05	SW8330	METHOD	HEXAHYDRO-1,3-DINITROSO-5-MONONITRO-1,3,5-TRIAZINE	0	U	0.076	0.25	UG/L
MW-323M1	24691	20-Jul-05	SW8330	METHOD	HEXAHYDRO-1-MONONITROSO-3,5-DINITRO-1,3,5-TRIAZINE	0	U	0.066	0.25	UG/L
MW-323M1	24691	20-Jul-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
MW-323M1	24691	20-Jul-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-323M1	24691	20-Jul-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
MW-323M1	24691	20-Jul-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
MW-323M1	24691	20-Jul-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
MW-323M1	24691	20-Jul-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
MW-323M1	26219	07-Dec-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-323M1	26219	07-Dec-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-323M1	26219	07-Dec-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-323M1	26219	07-Dec-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-323M1	26219	07-Dec-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-323M1	26219	07-Dec-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-323M1	26219	07-Dec-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-323M1	26219	07-Dec-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-323M1	26219	07-Dec-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-323M1	26219	07-Dec-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-323M1	26219	07-Dec-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-323M1	26219	07-Dec-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-323M1	26219	07-Dec-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-323M1	26219	07-Dec-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	1.3	J	0.094	0.25	UG/L
MW-323M1	26219	07-Dec-05	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-323M1	26219	07-Dec-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-323M1	26219	07-Dec-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-323M1	26219	07-Dec-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-323M1	26219	07-Dec-05	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-323M1	26219	07-Dec-05	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-323M1	26978	12-Apr-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-323M1	26978	12-Apr-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-323M1	26978	12-Apr-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-323M1	26978	12-Apr-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-323M1	26978	12-Apr-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-323M1	26978	12-Apr-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-323M1	26978	12-Apr-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L

Table A-7
Northwest Corner Analytical Results Table
June 2005 - December 2008

Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
MW-323M1	26978	12-Apr-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-323M1	26978	12-Apr-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-323M1	26978	12-Apr-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-323M1	26978	12-Apr-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-323M1	26978	12-Apr-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-323M1	26978	12-Apr-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.86		0.094	0.25	UG/L
MW-323M1	26978	12-Apr-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-323M1	26978	12-Apr-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-323M1	26978	12-Apr-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-323M1	26978	12-Apr-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-323M1	26978	12-Apr-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-323M1	26978	12-Apr-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-323M1	26979	12-Apr-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-323M1	26979	12-Apr-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-323M1	26979	12-Apr-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-323M1	26979	12-Apr-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-323M1	26979	12-Apr-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-323M1	26979	12-Apr-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-323M1	26979	12-Apr-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-323M1	26979	12-Apr-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-323M1	26979	12-Apr-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-323M1	26979	12-Apr-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-323M1	26979	12-Apr-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-323M1	26979	12-Apr-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-323M1	26979	12-Apr-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.85		0.094	0.25	UG/L
MW-323M1	26979	12-Apr-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-323M1	26979	12-Apr-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-323M1	26979	12-Apr-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-323M1	26979	12-Apr-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-323M1	26979	12-Apr-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-323M1	26979	12-Apr-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-323M1	MW-323M1-	23-Apr-07	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.021	0.25	UG/L
MW-323M1	MW-323M1-	23-Apr-07	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.021	0.25	UG/L
MW-323M1	MW-323M1-	23-Apr-07	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-323M1	MW-323M1-	23-Apr-07	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.07	0.25	UG/L
MW-323M1	MW-323M1-	23-Apr-07	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.028	0.25	UG/L
MW-323M1	MW-323M1-	23-Apr-07	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.036	0.5	UG/L
MW-323M1	MW-323M1-	23-Apr-07	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-323M1	MW-323M1-	23-Apr-07	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.023	0.25	UG/L
MW-323M1	MW-323M1-	23-Apr-07	SW8330	METHOD	2-NITROTOLUENE	0	U	0.041	0.25	UG/L
MW-323M1	MW-323M1-	23-Apr-07	SW8330	METHOD	3-NITROTOLUENE	0	U	0.063	0.25	UG/L
MW-323M1	MW-323M1-	23-Apr-07	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.022	0.25	UG/L
MW-323M1	MW-323M1-	23-Apr-07	SW8330	METHOD	4-NITROTOLUENE	0	U	0.032	0.25	UG/L
MW-323M1	MW-323M1-	23-Apr-07	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.75		0.053	0.25	UG/L
MW-323M1	MW-323M1-	23-Apr-07	SW8330	METHOD	NITROBENZENE	0	U	0.021	0.25	UG/L
MW-323M1	MW-323M1-	23-Apr-07	SW8330	METHOD	NITROGLYCERIN	0	U	1.1	5	UG/L
MW-323M1	MW-323M1-	23-Apr-07	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.067	0.25	UG/L
MW-323M1	MW-323M1-	23-Apr-07	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	2.7	10	UG/L
MW-323M1	MW-323M1-	23-Apr-07	SW8330	METHOD	PICRIC ACID	0	U	0.036	0.25	UG/L
MW-323M1	MW-323M1-	23-Apr-07	SW8330	METHOD	TETRYL	0	U	0.025	0.25	UG/L
MW-323M1	MW-323M1_0508	07-May-08	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.011	0.25	UG/L
MW-323M1	MW-323M1_0508	07-May-08	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.04	0.25	UG/L
MW-323M1	MW-323M1_0508	07-May-08	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.012	0.25	UG/L
MW-323M1	MW-323M1_0508	07-May-08	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.015	0.25	UG/L
MW-323M1	MW-323M1_0508	07-May-08	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.0097	0.25	UG/L
MW-323M1	MW-323M1_0508	07-May-08	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.011	0.5	UG/L
MW-323M1	MW-323M1_0508	07-May-08	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.017	0.25	UG/L
MW-323M1	MW-323M1_0508	07-May-08	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.018	0.25	UG/L
MW-323M1	MW-323M1_0508	07-May-08	SW8330	METHOD	2-NITROTOLUENE	0	U	0.017	0.25	UG/L
MW-323M1	MW-323M1_0508	07-May-08	SW8330	METHOD	3-NITROTOLUENE	0	U	0.017	0.25	UG/L
MW-323M1	MW-323M1_0508	07-May-08	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.022	0.25	UG/L
MW-323M1	MW-323M1_0508	07-May-08	SW8330	METHOD	4-NITROTOLUENE	0	U	0.026	0.25	UG/L
MW-323M1	MW-323M1_0508	07-May-08	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.92		0.017	0.25	UG/L
MW-323M1	MW-323M1_0508	07-May-08	SW8330	METHOD	NITROBENZENE	0	U	0.04	0.25	UG/L
MW-323M1	MW-323M1_0508	07-May-08	SW8330	METHOD	NITROGLYCERIN	0	U	0.94	5	UG/L
MW-323M1	MW-323M1_0508	07-May-08	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.018	0.25	UG/L
MW-323M1	MW-323M1_0508	07-May-08	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	1.9	10	UG/L
MW-323M1	MW-323M1_0508	07-May-08	SW8330	METHOD	PICRIC ACID	0	U	0.014	0.25	UG/L
MW-323M1	MW-323M1_0508	07-May-08	SW8330	METHOD	TETRYL	0	U	0.04	0.25	UG/L
MW-323M2	23638	15-Jun-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-323M2	23639	15-Jun-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
MW-323M2	23639	15-Jun-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
MW-323M2	23639	15-Jun-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L

Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
MW-323M2	23639	15-Jun-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
MW-323M2	23639	15-Jun-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-323M2	23639	15-Jun-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.054	0.5	UG/L
MW-323M2	23639	15-Jun-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
MW-323M2	23639	15-Jun-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
MW-323M2	23639	15-Jun-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-323M2	23639	15-Jun-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-323M2	23639	15-Jun-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-323M2	23639	15-Jun-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-323M2	23639	15-Jun-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	9.5		0.032	0.25	UG/L
MW-323M2	23639	15-Jun-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
MW-323M2	23639	15-Jun-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-323M2	23639	15-Jun-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
MW-323M2	23639	15-Jun-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
MW-323M2	23639	15-Jun-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
MW-323M2	23639	15-Jun-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
MW-323M2	24692	20-Jul-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-323M2	24692	20-Jul-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
MW-323M2	24692	20-Jul-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
MW-323M2	24692	20-Jul-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-323M2	24692	20-Jul-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	UJ	0.054	0.25	UG/L
MW-323M2	24692	20-Jul-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-323M2	24692	20-Jul-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
MW-323M2	24692	20-Jul-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
MW-323M2	24692	20-Jul-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
MW-323M2	24692	20-Jul-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-323M2	24692	20-Jul-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-323M2	24692	20-Jul-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-323M2	24692	20-Jul-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-323M2	24692	20-Jul-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	8.4		0.032	0.25	UG/L
MW-323M2	24692	20-Jul-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITROSO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
MW-323M2	24692	20-Jul-05	SW8330	METHOD	HEXAHYDRO-1,3-DINITROSO-5-MONONITRO-1,3,5-TRIAZINE	0	U	0.076	0.25	UG/L
MW-323M2	24692	20-Jul-05	SW8330	METHOD	HEXAHYDRO-1-MONONITROSO-3,5-DINITRO-1,3,5-TRIAZINE	0	U	0.066	0.25	UG/L
MW-323M2	24692	20-Jul-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
MW-323M2	24692	20-Jul-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-323M2	24692	20-Jul-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	UJ	0.024	0.25	UG/L
MW-323M2	24692	20-Jul-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
MW-323M2	24692	20-Jul-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
MW-323M2	24692	20-Jul-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
MW-323M2	26220	07-Dec-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-323M2	26220	07-Dec-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-323M2	26220	07-Dec-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-323M2	26220	07-Dec-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-323M2	26220	07-Dec-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-323M2	26220	07-Dec-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-323M2	26220	07-Dec-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-323M2	26220	07-Dec-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-323M2	26220	07-Dec-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-323M2	26220	07-Dec-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-323M2	26220	07-Dec-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-323M2	26220	07-Dec-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-323M2	26220	07-Dec-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-323M2	26220	07-Dec-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	7.6		0.094	0.25	UG/L
MW-323M2	26220	07-Dec-05	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-323M2	26220	07-Dec-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-323M2	26220	07-Dec-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-323M2	26220	07-Dec-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-323M2	26220	07-Dec-05	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-323M2	26220	07-Dec-05	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-323M2	26980	12-Apr-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-323M2	26980	12-Apr-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-323M2	26980	12-Apr-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-323M2	26980	12-Apr-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-323M2	26980	12-Apr-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-323M2	26980	12-Apr-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-323M2	26980	12-Apr-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-323M2	26980	12-Apr-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-323M2	26980	12-Apr-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-323M2	26980	12-Apr-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-323M2	26980	12-Apr-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-323M2	26980	12-Apr-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-323M2	26980	12-Apr-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	3.6		0.094	0.25	UG/L
MW-323M2	26980	12-Apr-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
MW-323M2	26980	12-Apr-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-323M2	26980	12-Apr-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-323M2	26980	12-Apr-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-323M2	26980	12-Apr-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-323M2	26980	12-Apr-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-323M2	MW-323M2-	23-Apr-07	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.021	0.25	UG/L
MW-323M2	MW-323M2-	23-Apr-07	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.021	0.25	UG/L
MW-323M2	MW-323M2-	23-Apr-07	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-323M2	MW-323M2-	23-Apr-07	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.07	0.25	UG/L
MW-323M2	MW-323M2-	23-Apr-07	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.028	0.25	UG/L
MW-323M2	MW-323M2-	23-Apr-07	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.036	0.5	UG/L
MW-323M2	MW-323M2-	23-Apr-07	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-323M2	MW-323M2-	23-Apr-07	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.023	0.25	UG/L
MW-323M2	MW-323M2-	23-Apr-07	SW8330	METHOD	2-NITROTOLUENE	0	U	0.041	0.25	UG/L
MW-323M2	MW-323M2-	23-Apr-07	SW8330	METHOD	3-NITROTOLUENE	0	U	0.063	0.25	UG/L
MW-323M2	MW-323M2-	23-Apr-07	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.022	0.25	UG/L
MW-323M2	MW-323M2-	23-Apr-07	SW8330	METHOD	4-NITROTOLUENE	0	U	0.032	0.25	UG/L
MW-323M2	MW-323M2-	23-Apr-07	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	6.9		0.053	0.25	UG/L
MW-323M2	MW-323M2-	23-Apr-07	SW8330	METHOD	NITROBENZENE	0	U	0.021	0.25	UG/L
MW-323M2	MW-323M2-	23-Apr-07	SW8330	METHOD	NITROGLYCERIN	0	U	1.1	5	UG/L
MW-323M2	MW-323M2-	23-Apr-07	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.067	0.25	UG/L
MW-323M2	MW-323M2-	23-Apr-07	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	2.7	10	UG/L
MW-323M2	MW-323M2-	23-Apr-07	SW8330	METHOD	PICRIC ACID	0	U	0.036	0.25	UG/L
MW-323M2	MW-323M2-	23-Apr-07	SW8330	METHOD	TETRYL	0	U	0.025	0.25	UG/L
MW-323M2	MW-323M2_0508	07-May-08	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.011	0.25	UG/L
MW-323M2	MW-323M2_0508	07-May-08	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.04	0.25	UG/L
MW-323M2	MW-323M2_0508	07-May-08	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.012	0.25	UG/L
MW-323M2	MW-323M2_0508	07-May-08	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.015	0.25	UG/L
MW-323M2	MW-323M2_0508	07-May-08	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.0097	0.25	UG/L
MW-323M2	MW-323M2_0508	07-May-08	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.011	0.5	UG/L
MW-323M2	MW-323M2_0508	07-May-08	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.017	0.25	UG/L
MW-323M2	MW-323M2_0508	07-May-08	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.018	0.25	UG/L
MW-323M2	MW-323M2_0508	07-May-08	SW8330	METHOD	2-NITROTOLUENE	0	U	0.017	0.25	UG/L
MW-323M2	MW-323M2_0508	07-May-08	SW8330	METHOD	3-NITROTOLUENE	0	U	0.017	0.25	UG/L
MW-323M2	MW-323M2_0508	07-May-08	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.022	0.25	UG/L
MW-323M2	MW-323M2_0508	07-May-08	SW8330	METHOD	4-NITROTOLUENE	0	U	0.026	0.25	UG/L
MW-323M2	MW-323M2_0508	07-May-08	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	5.6		0.017	0.25	UG/L
MW-323M2	MW-323M2_0508	07-May-08	SW8330	METHOD	NITROBENZENE	0	U	0.04	0.25	UG/L
MW-323M2	MW-323M2_0508	07-May-08	SW8330	METHOD	NITROGLYCERIN	0	U	0.94	5	UG/L
MW-323M2	MW-323M2_0508	07-May-08	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.018	0.25	UG/L
MW-323M2	MW-323M2_0508	07-May-08	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	1.9	10	UG/L
MW-323M2	MW-323M2_0508	07-May-08	SW8330	METHOD	PICRIC ACID	0	U	0.014	0.25	UG/L
MW-323M2	MW-323M2_0508	07-May-08	SW8330	METHOD	TETRYL	0	U	0.04	0.25	UG/L
MW-323M2	MW-323M2-FD	23-Apr-07	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.021	0.25	UG/L
MW-323M2	MW-323M2-FD	23-Apr-07	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.021	0.25	UG/L
MW-323M2	MW-323M2-FD	23-Apr-07	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-323M2	MW-323M2-FD	23-Apr-07	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.07	0.25	UG/L
MW-323M2	MW-323M2-FD	23-Apr-07	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.028	0.25	UG/L
MW-323M2	MW-323M2-FD	23-Apr-07	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.036	0.5	UG/L
MW-323M2	MW-323M2-FD	23-Apr-07	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-323M2	MW-323M2-FD	23-Apr-07	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.023	0.25	UG/L
MW-323M2	MW-323M2-FD	23-Apr-07	SW8330	METHOD	2-NITROTOLUENE	0	U	0.041	0.25	UG/L
MW-323M2	MW-323M2-FD	23-Apr-07	SW8330	METHOD	3-NITROTOLUENE	0	U	0.063	0.25	UG/L
MW-323M2	MW-323M2-FD	23-Apr-07	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.022	0.25	UG/L
MW-323M2	MW-323M2-FD	23-Apr-07	SW8330	METHOD	4-NITROTOLUENE	0	U	0.032	0.25	UG/L
MW-323M2	MW-323M2-FD	23-Apr-07	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	7.1		0.053	0.25	UG/L
MW-323M2	MW-323M2-FD	23-Apr-07	SW8330	METHOD	NITROBENZENE	0	U	0.021	0.25	UG/L
MW-323M2	MW-323M2-FD	23-Apr-07	SW8330	METHOD	NITROGLYCERIN	0	U	1.1	5	UG/L
MW-323M2	MW-323M2-FD	23-Apr-07	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.067	0.25	UG/L
MW-323M2	MW-323M2-FD	23-Apr-07	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	2.7	10	UG/L
MW-323M2	MW-323M2-FD	23-Apr-07	SW8330	METHOD	PICRIC ACID	0	U	0.036	0.25	UG/L
MW-323M2	MW-323M2-FD	23-Apr-07	SW8330	METHOD	TETRYL	0	U	0.025	0.25	UG/L
MW-323S	23640	15-Jun-05	E314.0	NONE	PERCHLORATE	3.6		0.35	1	UG/L
MW-323S	23641	15-Jun-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
MW-323S	23641	15-Jun-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
MW-323S	23641	15-Jun-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-323S	23641	15-Jun-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
MW-323S	23641	15-Jun-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-323S	23641	15-Jun-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.054	0.5	UG/L
MW-323S	23641	15-Jun-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
MW-323S	23641	15-Jun-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
MW-323S	23641	15-Jun-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-323S	23641	15-Jun-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L

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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
MW-323S	23641	15-Jun-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-323S	23641	15-Jun-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-323S	23641	15-Jun-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
MW-323S	23641	15-Jun-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
MW-323S	23641	15-Jun-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	6.1	UG/L
MW-323S	23641	15-Jun-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
MW-323S	23641	15-Jun-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
MW-323S	23641	15-Jun-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
MW-323S	23641	15-Jun-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
MW-323S	24693	20-Jul-05	E314.0	NONE	PERCHLORATE	3		0.35	1	UG/L
MW-323S	24693	20-Jul-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
MW-323S	24693	20-Jul-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
MW-323S	24693	20-Jul-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-323S	24693	20-Jul-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	UJ	0.054	0.25	UG/L
MW-323S	24693	20-Jul-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-323S	24693	20-Jul-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
MW-323S	24693	20-Jul-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
MW-323S	24693	20-Jul-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
MW-323S	24693	20-Jul-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-323S	24693	20-Jul-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-323S	24693	20-Jul-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-323S	24693	20-Jul-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-323S	24693	20-Jul-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
MW-323S	24693	20-Jul-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
MW-323S	24693	20-Jul-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-323S	24693	20-Jul-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	UJ	0.024	0.25	UG/L
MW-323S	24693	20-Jul-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
MW-323S	24693	20-Jul-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
MW-323S	24693	20-Jul-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
MW-323S	26221	07-Dec-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-323S	26221	07-Dec-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-323S	26221	07-Dec-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-323S	26221	07-Dec-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-323S	26221	07-Dec-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-323S	26221	07-Dec-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-323S	26221	07-Dec-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-323S	26221	07-Dec-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-323S	26221	07-Dec-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-323S	26221	07-Dec-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-323S	26221	07-Dec-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-323S	26221	07-Dec-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-323S	26221	07-Dec-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-323S	26221	07-Dec-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
MW-323S	26221	07-Dec-05	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-323S	26221	07-Dec-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-323S	26221	07-Dec-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-323S	26221	07-Dec-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-323S	26221	07-Dec-05	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-323S	26221	07-Dec-05	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-332S	24261	15-Jun-05	E314.0	NONE	PERCHLORATE	1.4		0.35	1	UG/L
MW-332S	25554	30-Sep-05	E314.0	NONE	PERCHLORATE	0.95	J	0.35	1	UG/L
MW-332S	26314	16-Dec-05	E314.0	NONE	PERCHLORATE	0.48	J	0.35	1	UG/L
MW-332S	26981	12-Apr-06	E314.0	NONE	PERCHLORATE	0.69	J	0.35	1	UG/L
MW-332S	MW-332S-	23-Apr-07	E314.0	NONE	PERCHLORATE	0.37	J	0.35	1	UG/L
MW-332S	MW-332S_0508	06-May-08	E314.0	METHOD	PERCHLORATE	0.44	J	0.35	1	UG/L
MW-338M2	25773	20-Oct-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-338M2	25773	20-Oct-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-338M2	25773	20-Oct-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-338M2	25773	20-Oct-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-338M2	25773	20-Oct-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-338M2	25773	20-Oct-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-338M2	25773	20-Oct-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-338M2	25773	20-Oct-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-338M2	25773	20-Oct-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-338M2	25773	20-Oct-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-338M2	25773	20-Oct-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-338M2	25773	20-Oct-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-338M2	25773	20-Oct-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-338M2	25773	20-Oct-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
MW-338M2	25773	20-Oct-05	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-338M2	25773	20-Oct-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-338M2	25773	20-Oct-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-338M2	25773	20-Oct-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L

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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
MW-338M2	25773	20-Oct-05	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-338M2	25773	20-Oct-05	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-338M2	26592	12-Jan-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-338M2	26592	12-Jan-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-338M2	26592	12-Jan-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-338M2	26592	12-Jan-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-338M2	26592	12-Jan-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-338M2	26592	12-Jan-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-338M2	26592	12-Jan-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-338M2	26592	12-Jan-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-338M2	26592	12-Jan-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-338M2	26592	12-Jan-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-338M2	26592	12-Jan-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-338M2	26592	12-Jan-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-338M2	26592	12-Jan-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-338M2	26592	12-Jan-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
MW-338M2	26592	12-Jan-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-338M2	26592	12-Jan-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-338M2	26592	12-Jan-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-338M2	26592	12-Jan-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-338M2	26592	12-Jan-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-338M2	26592	12-Jan-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-338S	25774	20-Oct-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-338S	25774	20-Oct-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-338S	25774	20-Oct-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-338S	25774	20-Oct-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-338S	25774	20-Oct-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-338S	25774	20-Oct-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-338S	25774	20-Oct-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-338S	25774	20-Oct-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-338S	25774	20-Oct-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-338S	25774	20-Oct-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-338S	25774	20-Oct-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-338S	25774	20-Oct-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-338S	25774	20-Oct-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-338S	25774	20-Oct-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.42	J	0.094	0.25	UG/L
MW-338S	25774	20-Oct-05	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-338S	25774	20-Oct-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-338S	25774	20-Oct-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-338S	25774	20-Oct-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-338S	25774	20-Oct-05	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-338S	25774	20-Oct-05	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-338S	26593	12-Jan-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-338S	26593	12-Jan-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-338S	26593	12-Jan-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-338S	26593	12-Jan-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-338S	26593	12-Jan-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-338S	26593	12-Jan-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-338S	26593	12-Jan-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-338S	26593	12-Jan-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-338S	26593	12-Jan-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-338S	26593	12-Jan-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-338S	26593	12-Jan-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-338S	26593	12-Jan-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-338S	26593	12-Jan-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-338S	26593	12-Jan-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.35		0.094	0.25	UG/L
MW-338S	26593	12-Jan-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-338S	26593	12-Jan-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-338S	26593	12-Jan-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-338S	26593	12-Jan-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-338S	26593	12-Jan-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-338S	26593	12-Jan-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-338S	26982	12-Apr-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-338S	26982	12-Apr-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-338S	26982	12-Apr-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-338S	26982	12-Apr-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-338S	26982	12-Apr-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-338S	26982	12-Apr-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-338S	26982	12-Apr-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-338S	26982	12-Apr-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-338S	26982	12-Apr-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-338S	26982	12-Apr-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-338S	26982	12-Apr-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
MW-338S	26982	12-Apr-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-338S	26982	12-Apr-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-338S	26982	12-Apr-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.25		0.094	0.25	UG/L
MW-338S	26982	12-Apr-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-338S	26982	12-Apr-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-338S	26982	12-Apr-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-338S	26982	12-Apr-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-338S	26982	12-Apr-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-338S	26982	12-Apr-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-338S	MW-338S-	20-Apr-07	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-338S	MW-338S-	11-Oct-07	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-338S	MW-338S-	20-Apr-07	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.021	0.25	UG/L
MW-338S	MW-338S-	11-Oct-07	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.021	0.25	UG/L
MW-338S	MW-338S-	20-Apr-07	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.021	0.25	UG/L
MW-338S	MW-338S-	11-Oct-07	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.021	0.25	UG/L
MW-338S	MW-338S-	20-Apr-07	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-338S	MW-338S-	11-Oct-07	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-338S	MW-338S-	20-Apr-07	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.07	0.25	UG/L
MW-338S	MW-338S-	11-Oct-07	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.07	0.25	UG/L
MW-338S	MW-338S-	20-Apr-07	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.028	0.25	UG/L
MW-338S	MW-338S-	11-Oct-07	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.028	0.25	UG/L
MW-338S	MW-338S-	20-Apr-07	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.036	0.5	UG/L
MW-338S	MW-338S-	11-Oct-07	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.036	0.5	UG/L
MW-338S	MW-338S-	20-Apr-07	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-338S	MW-338S-	11-Oct-07	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-338S	MW-338S-	20-Apr-07	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.023	0.25	UG/L
MW-338S	MW-338S-	11-Oct-07	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.023	0.25	UG/L
MW-338S	MW-338S-	20-Apr-07	SW8330	METHOD	2-NITROTOLUENE	0	U	0.041	0.25	UG/L
MW-338S	MW-338S-	11-Oct-07	SW8330	METHOD	2-NITROTOLUENE	0	U	0.041	0.25	UG/L
MW-338S	MW-338S-	20-Apr-07	SW8330	METHOD	3-NITROTOLUENE	0	U	0.063	0.25	UG/L
MW-338S	MW-338S-	11-Oct-07	SW8330	METHOD	3-NITROTOLUENE	0	U	0.063	0.25	UG/L
MW-338S	MW-338S-	20-Apr-07	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.022	0.25	UG/L
MW-338S	MW-338S-	11-Oct-07	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.022	0.25	UG/L
MW-338S	MW-338S-	20-Apr-07	SW8330	METHOD	4-NITROTOLUENE	0	U	0.032	0.25	UG/L
MW-338S	MW-338S-	11-Oct-07	SW8330	METHOD	4-NITROTOLUENE	0	U	0.032	0.25	UG/L
MW-338S	MW-338S-	20-Apr-07	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.053	0.25	UG/L
MW-338S	MW-338S-	11-Oct-07	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.053	0.25	UG/L
MW-338S	MW-338S-	20-Apr-07	SW8330	METHOD	NITROBENZENE	0	U	0.021	0.25	UG/L
MW-338S	MW-338S-	11-Oct-07	SW8330	METHOD	NITROBENZENE	0	U	0.021	0.25	UG/L
MW-338S	MW-338S-	20-Apr-07	SW8330	METHOD	NITROGLYCERIN	0	U	1.1	5	UG/L
MW-338S	MW-338S-	11-Oct-07	SW8330	METHOD	NITROGLYCERIN	0	U	1.1	5	UG/L
MW-338S	MW-338S-	20-Apr-07	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.067	0.25	UG/L
MW-338S	MW-338S-	11-Oct-07	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.067	0.25	UG/L
MW-338S	MW-338S-	20-Apr-07	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	2.7	10	UG/L
MW-338S	MW-338S-	11-Oct-07	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	2.7	10	UG/L
MW-338S	MW-338S-	20-Apr-07	SW8330	METHOD	PICRIC ACID	0	U	0.036	0.25	UG/L
MW-338S	MW-338S-	11-Oct-07	SW8330	METHOD	PICRIC ACID	0	U	0.036	0.25	UG/L
MW-338S	MW-338S-	20-Apr-07	SW8330	METHOD	TETRYL	0	U	0.025	0.25	UG/L
MW-338S	MW-338S-	11-Oct-07	SW8330	METHOD	TETRYL	0	U	0.025	0.25	UG/L
MW-338S	MW-338S_0508	07-May-08	E314.0	METHOD	PERCHLORATE	0	U	0.35	1	UG/L
MW-338S	MW-338S_0508	07-May-08	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.011	0.25	UG/L
MW-338S	MW-338S_0508	07-May-08	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.04	0.25	UG/L
MW-338S	MW-338S_0508	07-May-08	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.012	0.25	UG/L
MW-338S	MW-338S_0508	07-May-08	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.015	0.25	UG/L
MW-338S	MW-338S_0508	07-May-08	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.0097	0.25	UG/L
MW-338S	MW-338S_0508	07-May-08	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.011	0.5	UG/L
MW-338S	MW-338S_0508	07-May-08	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.017	0.25	UG/L
MW-338S	MW-338S_0508	07-May-08	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.018	0.25	UG/L
MW-338S	MW-338S_0508	07-May-08	SW8330	METHOD	2-NITROTOLUENE	0	U	0.017	0.25	UG/L
MW-338S	MW-338S_0508	07-May-08	SW8330	METHOD	3-NITROTOLUENE	0	U	0.017	0.25	UG/L
MW-338S	MW-338S_0508	07-May-08	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.022	0.25	UG/L
MW-338S	MW-338S_0508	07-May-08	SW8330	METHOD	4-NITROTOLUENE	0	U	0.026	0.25	UG/L
MW-338S	MW-338S_0508	07-May-08	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.017	0.25	UG/L
MW-338S	MW-338S_0508	07-May-08	SW8330	METHOD	NITROBENZENE	0	U	0.04	0.25	UG/L
MW-338S	MW-338S_0508	07-May-08	SW8330	METHOD	NITROGLYCERIN	0	U	0.94	5	UG/L
MW-338S	MW-338S_0508	07-May-08	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.018	0.25	UG/L
MW-338S	MW-338S_0508	07-May-08	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	1.9	10	UG/L
MW-338S	MW-338S_0508	07-May-08	SW8330	METHOD	PICRIC ACID	0	U	0.014	0.25	UG/L
MW-338S	MW-338S_0508	07-May-08	SW8330	METHOD	TETRYL	0	U	0.04	0.25	UG/L
MW-344M2	25775	17-Oct-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-344M2	25776	17-Oct-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-344M2	26594	17-Jan-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-344M2	26595	17-Jan-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
MW-344M2	26921	23-Mar-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-344M2	MW-344M2-	24-Apr-07	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-344M2	MW-344M2_0508	09-May-08	E314.0	METHOD	PERCHLORATE	0.41	J	0.35	1	UG/L
MW-344S	25777	17-Oct-05	E314.0	NONE	PERCHLORATE	1.9		0.35	1	UG/L
MW-344S	26596	17-Jan-06	E314.0	NONE	PERCHLORATE	1.8		0.35	1	UG/L
MW-344S	26922	23-Mar-06	E314.0	NONE	PERCHLORATE	1.4		0.35	1	UG/L
MW-344S	MW-344S-	24-Apr-07	E314.0	NONE	PERCHLORATE	1.8		0.35	1	UG/L
MW-344S	MW-344S_0508	09-May-08	E314.0	METHOD	PERCHLORATE	1.3		0.35	1	UG/L
MW-344S	MW-344S-FD	24-Apr-07	E314.0	NONE	PERCHLORATE	2.2		0.35	1	UG/L
MW-350M1	25778	17-Oct-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-350M1	26597	02-Feb-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-350M2	25779	17-Oct-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-350M2	25779	17-Oct-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-350M2	25779	17-Oct-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-350M2	25779	17-Oct-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-350M2	25779	17-Oct-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-350M2	25779	17-Oct-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-350M2	25779	17-Oct-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-350M2	25779	17-Oct-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-350M2	25779	17-Oct-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-350M2	25779	17-Oct-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-350M2	25779	17-Oct-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-350M2	25779	17-Oct-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-350M2	25779	17-Oct-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-350M2	25779	17-Oct-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	1.9		0.094	0.25	UG/L
MW-350M2	25779	17-Oct-05	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-350M2	25779	17-Oct-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-350M2	25779	17-Oct-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-350M2	25779	17-Oct-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-350M2	25779	17-Oct-05	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-350M2	25779	17-Oct-05	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-350M2	26598	02-Feb-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-350M2	26598	02-Feb-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-350M2	26598	02-Feb-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-350M2	26598	02-Feb-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-350M2	26598	02-Feb-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-350M2	26598	02-Feb-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-350M2	26598	02-Feb-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-350M2	26598	02-Feb-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-350M2	26598	02-Feb-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-350M2	26598	02-Feb-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-350M2	26598	02-Feb-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-350M2	26598	02-Feb-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-350M2	26598	02-Feb-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-350M2	26598	02-Feb-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.43		0.094	0.25	UG/L
MW-350M2	26598	02-Feb-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-350M2	26598	02-Feb-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-350M2	26598	02-Feb-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-350M2	26598	02-Feb-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-350M2	26598	02-Feb-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-350M2	26598	02-Feb-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-350M2	26983	12-Apr-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-350M2	26983	12-Apr-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-350M2	26983	12-Apr-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-350M2	26983	12-Apr-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-350M2	26983	12-Apr-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-350M2	26983	12-Apr-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-350M2	26983	12-Apr-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-350M2	26983	12-Apr-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-350M2	26983	12-Apr-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-350M2	26983	12-Apr-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-350M2	26983	12-Apr-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-350M2	26983	12-Apr-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-350M2	26983	12-Apr-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.37		0.094	0.25	UG/L
MW-350M2	26983	12-Apr-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-350M2	26983	12-Apr-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-350M2	26983	12-Apr-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-350M2	26983	12-Apr-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-350M2	26983	12-Apr-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-350M2	26983	12-Apr-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-350M2	MW-350M2-	23-Apr-07	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.021	0.25	UG/L
MW-350M2	MW-350M2-	23-Apr-07	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.021	0.25	UG/L
MW-350M2	MW-350M2-	23-Apr-07	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.021	0.25	UG/L

Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
MW-350M2	MW-350M2-	23-Apr-07	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.07	0.25	UG/L
MW-350M2	MW-350M2-	23-Apr-07	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.028	0.25	UG/L
MW-350M2	MW-350M2-	23-Apr-07	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.036	0.5	UG/L
MW-350M2	MW-350M2-	23-Apr-07	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-350M2	MW-350M2-	23-Apr-07	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.023	0.25	UG/L
MW-350M2	MW-350M2-	23-Apr-07	SW8330	METHOD	2-NITROTOLUENE	0	U	0.041	0.25	UG/L
MW-350M2	MW-350M2-	23-Apr-07	SW8330	METHOD	3-NITROTOLUENE	0	U	0.063	0.25	UG/L
MW-350M2	MW-350M2-	23-Apr-07	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.022	0.25	UG/L
MW-350M2	MW-350M2-	23-Apr-07	SW8330	METHOD	4-NITROTOLUENE	0	U	0.032	0.25	UG/L
MW-350M2	MW-350M2-	23-Apr-07	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.053	0.25	UG/L
MW-350M2	MW-350M2-	23-Apr-07	SW8330	METHOD	NITROBENZENE	0	U	0.021	0.25	UG/L
MW-350M2	MW-350M2-	23-Apr-07	SW8330	METHOD	NITROGLYCERIN	0	U	1.1	5	UG/L
MW-350M2	MW-350M2-	23-Apr-07	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.067	0.25	UG/L
MW-350M2	MW-350M2-	23-Apr-07	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	2.7	10	UG/L
MW-350M2	MW-350M2-	23-Apr-07	SW8330	METHOD	PICRIC ACID	0	U	0.036	0.25	UG/L
MW-350M2	MW-350M2-	23-Apr-07	SW8330	METHOD	TETRYL	0	U	0.025	0.25	UG/L
MW-350M2	MW-350M2_0508	07-May-08	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.011	0.25	UG/L
MW-350M2	MW-350M2_0508	07-May-08	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.04	0.25	UG/L
MW-350M2	MW-350M2_0508	07-May-08	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.012	0.25	UG/L
MW-350M2	MW-350M2_0508	07-May-08	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.015	0.25	UG/L
MW-350M2	MW-350M2_0508	07-May-08	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.0097	0.25	UG/L
MW-350M2	MW-350M2_0508	07-May-08	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.011	0.5	UG/L
MW-350M2	MW-350M2_0508	07-May-08	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.017	0.25	UG/L
MW-350M2	MW-350M2_0508	07-May-08	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.018	0.25	UG/L
MW-350M2	MW-350M2_0508	07-May-08	SW8330	METHOD	2-NITROTOLUENE	0	U	0.017	0.25	UG/L
MW-350M2	MW-350M2_0508	07-May-08	SW8330	METHOD	3-NITROTOLUENE	0	U	0.017	0.25	UG/L
MW-350M2	MW-350M2_0508	07-May-08	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.022	0.25	UG/L
MW-350M2	MW-350M2_0508	07-May-08	SW8330	METHOD	4-NITROTOLUENE	0	U	0.026	0.25	UG/L
MW-350M2	MW-350M2_0508	07-May-08	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.017	0.25	UG/L
MW-350M2	MW-350M2_0508	07-May-08	SW8330	METHOD	NITROBENZENE	0	U	0.04	0.25	UG/L
MW-350M2	MW-350M2_0508	07-May-08	SW8330	METHOD	NITROGLYCERIN	0	U	0.94	5	UG/L
MW-350M2	MW-350M2_0508	07-May-08	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.018	0.25	UG/L
MW-350M2	MW-350M2_0508	07-May-08	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	1.9	10	UG/L
MW-350M2	MW-350M2_0508	07-May-08	SW8330	METHOD	PICRIC ACID	0	U	0.014	0.25	UG/L
MW-350M2	MW-350M2_0508	07-May-08	SW8330	METHOD	TETRYL	0	U	0.04	0.25	UG/L
MW-441	MW-441-01	09-May-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-441	MW-441-01	09-May-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-441	MW-441-01	09-May-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-441	MW-441-01	09-May-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-441	MW-441-01	09-May-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-441	MW-441-01	09-May-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-441	MW-441-01	09-May-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-441	MW-441-01	09-May-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-441	MW-441-01	09-May-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-441	MW-441-01	09-May-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-441	MW-441-01	09-May-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441	MW-441-01	09-May-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-441	MW-441-01	09-May-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441	MW-441-01	09-May-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
MW-441	MW-441-01	09-May-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-441	MW-441-01	09-May-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-441	MW-441-01	09-May-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-441	MW-441-01	09-May-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-441	MW-441-01	09-May-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-441	MW-441-01	09-May-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-441	MW-441-02	09-May-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-441	MW-441-02	09-May-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-441	MW-441-02	09-May-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-441	MW-441-02	09-May-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-441	MW-441-02	09-May-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-441	MW-441-02	09-May-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-441	MW-441-02	09-May-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-441	MW-441-02	09-May-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-441	MW-441-02	09-May-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-441	MW-441-02	09-May-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-441	MW-441-02	09-May-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441	MW-441-02	09-May-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-441	MW-441-02	09-May-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441	MW-441-02	09-May-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
MW-441	MW-441-02	09-May-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-441	MW-441-02	09-May-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-441	MW-441-02	09-May-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-441	MW-441-02	09-May-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L

Table A-7
Northwest Corner Analytical Results Table
June 2005 - December 2008

Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
MW-441	MW-441-02	09-May-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-441	MW-441-02	09-May-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-441	MW-441-03	09-May-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-441	MW-441-03	09-May-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-441	MW-441-03	09-May-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-441	MW-441-03	09-May-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-441	MW-441-03	09-May-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-441	MW-441-03	09-May-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-441	MW-441-03	09-May-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-441	MW-441-03	09-May-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-441	MW-441-03	09-May-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-441	MW-441-03	09-May-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-441	MW-441-03	09-May-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441	MW-441-03	09-May-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-441	MW-441-03	09-May-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441	MW-441-03	09-May-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
MW-441	MW-441-03	09-May-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-441	MW-441-03	09-May-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-441	MW-441-03	09-May-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-441	MW-441-03	09-May-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-441	MW-441-03	09-May-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-441	MW-441-03	09-May-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-441	MW-441-03FD	09-May-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-441	MW-441-03FD	09-May-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-441	MW-441-03FD	09-May-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-441	MW-441-03FD	09-May-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-441	MW-441-03FD	09-May-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-441	MW-441-03FD	09-May-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-441	MW-441-03FD	09-May-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-441	MW-441-03FD	09-May-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-441	MW-441-03FD	09-May-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-441	MW-441-03FD	09-May-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-441	MW-441-03FD	09-May-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441	MW-441-03FD	09-May-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-441	MW-441-03FD	09-May-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441	MW-441-03FD	09-May-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
MW-441	MW-441-03FD	09-May-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-441	MW-441-03FD	09-May-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-441	MW-441-03FD	09-May-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-441	MW-441-03FD	09-May-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-441	MW-441-03FD	09-May-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-441	MW-441-03FD	09-May-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-441	MW-441-05	10-May-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-441	MW-441-05	10-May-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-441	MW-441-05	10-May-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-441	MW-441-05	10-May-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-441	MW-441-05	10-May-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-441	MW-441-05	10-May-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-441	MW-441-05	10-May-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-441	MW-441-05	10-May-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-441	MW-441-05	10-May-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-441	MW-441-05	10-May-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-441	MW-441-05	10-May-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441	MW-441-05	10-May-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-441	MW-441-05	10-May-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441	MW-441-05	10-May-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
MW-441	MW-441-05	10-May-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-441	MW-441-05	10-May-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-441	MW-441-05	10-May-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-441	MW-441-05	10-May-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-441	MW-441-05	10-May-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-441	MW-441-05	10-May-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-441	MW-441-06	10-May-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-441	MW-441-06	10-May-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-441	MW-441-06	10-May-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-441	MW-441-06	10-May-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-441	MW-441-06	10-May-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-441	MW-441-06	10-May-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-441	MW-441-06	10-May-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-441	MW-441-06	10-May-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-441	MW-441-06	10-May-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-441	MW-441-06	10-May-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-441	MW-441-06	10-May-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
MW-441	MW-441-06	10-May-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-441	MW-441-06	10-May-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441	MW-441-06	10-May-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
MW-441	MW-441-06	10-May-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-441	MW-441-06	10-May-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-441	MW-441-06	10-May-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-441	MW-441-06	10-May-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-441	MW-441-06	10-May-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-441	MW-441-06	10-May-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-441	MW-441-07	10-May-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-441	MW-441-07	10-May-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-441	MW-441-07	10-May-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-441	MW-441-07	10-May-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-441	MW-441-07	10-May-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-441	MW-441-07	10-May-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-441	MW-441-07	10-May-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-441	MW-441-07	10-May-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-441	MW-441-07	10-May-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-441	MW-441-07	10-May-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-441	MW-441-07	10-May-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441	MW-441-07	10-May-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-441	MW-441-07	10-May-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441	MW-441-07	10-May-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
MW-441	MW-441-07	10-May-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-441	MW-441-07	10-May-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-441	MW-441-07	10-May-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-441	MW-441-07	10-May-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-441	MW-441-07	10-May-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-441	MW-441-07	10-May-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-441	MW-441-08	10-May-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-441	MW-441-08	10-May-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-441	MW-441-08	10-May-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-441	MW-441-08	10-May-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-441	MW-441-08	10-May-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-441	MW-441-08	10-May-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-441	MW-441-08	10-May-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-441	MW-441-08	10-May-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-441	MW-441-08	10-May-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-441	MW-441-08	10-May-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-441	MW-441-08	10-May-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441	MW-441-08	10-May-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-441	MW-441-08	10-May-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441	MW-441-08	10-May-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
MW-441	MW-441-08	10-May-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-441	MW-441-08	10-May-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-441	MW-441-08	10-May-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-441	MW-441-08	10-May-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-441	MW-441-08	10-May-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-441	MW-441-08	10-May-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-441	MW-441-09	10-May-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-441	MW-441-09	10-May-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-441	MW-441-09	10-May-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-441	MW-441-09	10-May-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-441	MW-441-09	10-May-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-441	MW-441-09	10-May-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-441	MW-441-09	10-May-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-441	MW-441-09	10-May-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-441	MW-441-09	10-May-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-441	MW-441-09	10-May-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-441	MW-441-09	10-May-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441	MW-441-09	10-May-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-441	MW-441-09	10-May-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441	MW-441-09	10-May-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
MW-441	MW-441-09	10-May-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-441	MW-441-09	10-May-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-441	MW-441-09	10-May-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-441	MW-441-09	10-May-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-441	MW-441-09	10-May-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-441	MW-441-09	10-May-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-441	MW-441-11	11-May-06	E314.0	NONE	PERCHLORATE	0.38	J	0.35	1	UG/L
MW-441	MW-441-11	11-May-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-441	MW-441-11	11-May-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-441	MW-441-11	11-May-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
MW-441	MW-441-11	11-May-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-441	MW-441-11	11-May-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-441	MW-441-11	11-May-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-441	MW-441-11	11-May-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-441	MW-441-11	11-May-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-441	MW-441-11	11-May-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-441	MW-441-11	11-May-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441	MW-441-11	11-May-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-441	MW-441-11	11-May-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441	MW-441-11	11-May-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.48		0.094	0.25	UG/L
MW-441	MW-441-11	11-May-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-441	MW-441-11	11-May-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-441	MW-441-11	11-May-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-441	MW-441-11	11-May-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-441	MW-441-11	11-May-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-441	MW-441-11	11-May-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-441	MW-441-13	12-May-06	E314.0	NONE	PERCHLORATE	0.59	J	0.35	1	UG/L
MW-441	MW-441-13	12-May-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-441	MW-441-13	12-May-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-441	MW-441-13	12-May-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-441	MW-441-13	12-May-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-441	MW-441-13	12-May-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-441	MW-441-13	12-May-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-441	MW-441-13	12-May-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-441	MW-441-13	12-May-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-441	MW-441-13	12-May-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-441	MW-441-13	12-May-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441	MW-441-13	12-May-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-441	MW-441-13	12-May-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441	MW-441-13	12-May-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.59		0.094	0.25	UG/L
MW-441	MW-441-13	12-May-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-441	MW-441-13	12-May-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-441	MW-441-13	12-May-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-441	MW-441-13	12-May-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-441	MW-441-13	12-May-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-441	MW-441-13	12-May-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-441	MW-441-13FD	12-May-06	E314.0	NONE	PERCHLORATE	0.65	J	0.35	1	UG/L
MW-441	MW-441-13FD	12-May-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-441	MW-441-13FD	12-May-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-441	MW-441-13FD	12-May-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-441	MW-441-13FD	12-May-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-441	MW-441-13FD	12-May-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-441	MW-441-13FD	12-May-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-441	MW-441-13FD	12-May-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-441	MW-441-13FD	12-May-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-441	MW-441-13FD	12-May-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-441	MW-441-13FD	12-May-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441	MW-441-13FD	12-May-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-441	MW-441-13FD	12-May-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441	MW-441-13FD	12-May-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.61		0.094	0.25	UG/L
MW-441	MW-441-13FD	12-May-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-441	MW-441-13FD	12-May-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-441	MW-441-13FD	12-May-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-441	MW-441-13FD	12-May-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-441	MW-441-13FD	12-May-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-441	MW-441-13FD	12-May-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-441	MW-441-14	12-May-06	E314.0	NONE	PERCHLORATE	0.38	J	0.35	1	UG/L
MW-441	MW-441-14	12-May-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-441	MW-441-14	12-May-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-441	MW-441-14	12-May-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-441	MW-441-14	12-May-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-441	MW-441-14	12-May-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-441	MW-441-14	12-May-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-441	MW-441-14	12-May-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-441	MW-441-14	12-May-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-441	MW-441-14	12-May-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-441	MW-441-14	12-May-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441	MW-441-14	12-May-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-441	MW-441-14	12-May-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441	MW-441-14	12-May-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	1.3		0.094	0.25	UG/L
MW-441	MW-441-14	12-May-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-441	MW-441-14	12-May-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-441	MW-441-14	12-May-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L

Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
MW-441	MW-441-14	12-May-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-441	MW-441-14	12-May-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-441	MW-441-14	12-May-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-441	MW-441-15	12-May-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-441	MW-441-15	12-May-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-441	MW-441-15	12-May-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-441	MW-441-15	12-May-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-441	MW-441-15	12-May-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-441	MW-441-15	12-May-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-441	MW-441-15	12-May-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-441	MW-441-15	12-May-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-441	MW-441-15	12-May-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-441	MW-441-15	12-May-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-441	MW-441-15	12-May-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441	MW-441-15	12-May-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-441	MW-441-15	12-May-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441	MW-441-15	12-May-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.6		0.094	0.25	UG/L
MW-441	MW-441-15	12-May-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-441	MW-441-15	12-May-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-441	MW-441-15	12-May-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-441	MW-441-15	12-May-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-441	MW-441-15	12-May-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-441	MW-441-15	12-May-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-441	MW-441-17	15-May-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-441	MW-441-17	15-May-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-441	MW-441-17	15-May-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-441	MW-441-17	15-May-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-441	MW-441-17	15-May-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-441	MW-441-17	15-May-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-441	MW-441-17	15-May-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-441	MW-441-17	15-May-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-441	MW-441-17	15-May-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-441	MW-441-17	15-May-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-441	MW-441-17	15-May-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441	MW-441-17	15-May-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-441	MW-441-17	15-May-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441	MW-441-17	15-May-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
MW-441	MW-441-17	15-May-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-441	MW-441-17	15-May-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-441	MW-441-17	15-May-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-441	MW-441-17	15-May-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-441	MW-441-17	15-May-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-441	MW-441-17	15-May-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-441	MW-441-18	15-May-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-441	MW-441-18	15-May-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-441	MW-441-18	15-May-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-441	MW-441-18	15-May-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-441	MW-441-18	15-May-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-441	MW-441-18	15-May-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-441	MW-441-18	15-May-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-441	MW-441-18	15-May-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-441	MW-441-18	15-May-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-441	MW-441-18	15-May-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-441	MW-441-18	15-May-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441	MW-441-18	15-May-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-441	MW-441-18	15-May-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441	MW-441-18	15-May-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
MW-441	MW-441-18	15-May-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-441	MW-441-18	15-May-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-441	MW-441-18	15-May-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-441	MW-441-18	15-May-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-441	MW-441-18	15-May-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-441	MW-441-18	15-May-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-441	MW-441-19	15-May-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-441	MW-441-19	15-May-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-441	MW-441-19	15-May-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-441	MW-441-19	15-May-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-441	MW-441-19	15-May-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-441	MW-441-19	15-May-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-441	MW-441-19	15-May-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-441	MW-441-19	15-May-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-441	MW-441-19	15-May-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-441	MW-441-19	15-May-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L

Table A-7
Northwest Corner Analytical Results Table
June 2005 - December 2008

Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
MW-441	MW-441-19	15-May-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441	MW-441-19	15-May-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-441	MW-441-19	15-May-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441	MW-441-19	15-May-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
MW-441	MW-441-19	15-May-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-441	MW-441-19	15-May-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-441	MW-441-19	15-May-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-441	MW-441-19	15-May-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-441	MW-441-19	15-May-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-441	MW-441-19	15-May-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-441M1	MW-441M1-	10-Jul-06	E314.0	NONE	PERCHLORATE	0.72	J	0.35	1	UG/L
MW-441M1	MW-441M1-	03-Nov-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-441M1	MW-441M1-	05-Mar-07	E314.0	NONE	PERCHLORATE	0.4	J	0.35	1	UG/L
MW-441M1	MW-441M1-	10-Jul-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-441M1	MW-441M1-	03-Nov-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.021	0.25	UG/L
MW-441M1	MW-441M1-	05-Mar-07	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.021	0.25	UG/L
MW-441M1	MW-441M1-	10-Jul-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-441M1	MW-441M1-	03-Nov-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.021	0.25	UG/L
MW-441M1	MW-441M1-	05-Mar-07	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.021	0.25	UG/L
MW-441M1	MW-441M1-	10-Jul-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-441M1	MW-441M1-	03-Nov-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-441M1	MW-441M1-	05-Mar-07	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-441M1	MW-441M1-	10-Jul-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-441M1	MW-441M1-	03-Nov-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.07	0.25	UG/L
MW-441M1	MW-441M1-	05-Mar-07	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.07	0.25	UG/L
MW-441M1	MW-441M1-	10-Jul-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-441M1	MW-441M1-	03-Nov-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.028	0.25	UG/L
MW-441M1	MW-441M1-	05-Mar-07	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.028	0.25	UG/L
MW-441M1	MW-441M1-	10-Jul-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-441M1	MW-441M1-	03-Nov-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.036	0.5	UG/L
MW-441M1	MW-441M1-	05-Mar-07	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.036	0.5	UG/L
MW-441M1	MW-441M1-	10-Jul-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-441M1	MW-441M1-	03-Nov-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-441M1	MW-441M1-	05-Mar-07	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-441M1	MW-441M1-	10-Jul-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-441M1	MW-441M1-	03-Nov-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.023	0.25	UG/L
MW-441M1	MW-441M1-	05-Mar-07	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.023	0.25	UG/L
MW-441M1	MW-441M1-	10-Jul-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-441M1	MW-441M1-	03-Nov-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.041	0.25	UG/L
MW-441M1	MW-441M1-	05-Mar-07	SW8330	METHOD	2-NITROTOLUENE	0	U	0.041	0.25	UG/L
MW-441M1	MW-441M1-	10-Jul-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441M1	MW-441M1-	03-Nov-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.063	0.25	UG/L
MW-441M1	MW-441M1-	05-Mar-07	SW8330	METHOD	3-NITROTOLUENE	0	U	0.063	0.25	UG/L
MW-441M1	MW-441M1-	10-Jul-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-441M1	MW-441M1-	03-Nov-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.022	0.25	UG/L
MW-441M1	MW-441M1-	05-Mar-07	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.022	0.25	UG/L
MW-441M1	MW-441M1-	10-Jul-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441M1	MW-441M1-	03-Nov-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.032	0.25	UG/L
MW-441M1	MW-441M1-	05-Mar-07	SW8330	METHOD	4-NITROTOLUENE	0	U	0.032	0.25	UG/L
MW-441M1	MW-441M1-	10-Jul-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	1.4		0.094	0.25	UG/L
MW-441M1	MW-441M1-	03-Nov-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	1.3		0.053	0.25	UG/L
MW-441M1	MW-441M1-	05-Mar-07	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	1.3		0.053	0.25	UG/L
MW-441M1	MW-441M1-	10-Jul-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-441M1	MW-441M1-	03-Nov-06	SW8330	METHOD	NITROBENZENE	0	U	0.021	0.25	UG/L
MW-441M1	MW-441M1-	05-Mar-07	SW8330	METHOD	NITROBENZENE	0	U	0.021	0.25	UG/L
MW-441M1	MW-441M1-	10-Jul-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-441M1	MW-441M1-	03-Nov-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.1	5	UG/L
MW-441M1	MW-441M1-	05-Mar-07	SW8330	METHOD	NITROGLYCERIN	0	U	1.1	5	UG/L
MW-441M1	MW-441M1-	10-Jul-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-441M1	MW-441M1-	03-Nov-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.067	0.25	UG/L
MW-441M1	MW-441M1-	05-Mar-07	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.067	0.25	UG/L
MW-441M1	MW-441M1-	10-Jul-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-441M1	MW-441M1-	03-Nov-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	2.7	10	UG/L
MW-441M1	MW-441M1-	05-Mar-07	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	2.7	10	UG/L
MW-441M1	MW-441M1-	10-Jul-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-441M1	MW-441M1-	03-Nov-06	SW8330	METHOD	PICRIC ACID	0	U	0.036	0.25	UG/L
MW-441M1	MW-441M1-	05-Mar-07	SW8330	METHOD	PICRIC ACID	0	U	0.036	0.25	UG/L
MW-441M1	MW-441M1-	10-Jul-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-441M1	MW-441M1-	03-Nov-06	SW8330	METHOD	TETRYL	0	U	0.025	0.25	UG/L
MW-441M1	MW-441M1-	05-Mar-07	SW8330	METHOD	TETRYL	0	U	0.025	0.25	UG/L
MW-441M1	MW-441M1_0508	07-May-08	E314.0	METHOD	PERCHLORATE	0.41	J	0.35	1	UG/L
MW-441M1	MW-441M1_0508	07-May-08	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.011	0.25	UG/L
MW-441M1	MW-441M1_0508	07-May-08	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.04	0.25	UG/L

Table A-7
Northwest Corner Analytical Results Table
June 2005 - December 2008

Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
MW-441M1	MW-441M1_0508	07-May-08	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.012	0.25	UG/L
MW-441M1	MW-441M1_0508	07-May-08	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.015	0.25	UG/L
MW-441M1	MW-441M1_0508	07-May-08	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.0097	0.25	UG/L
MW-441M1	MW-441M1_0508	07-May-08	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.011	0.5	UG/L
MW-441M1	MW-441M1_0508	07-May-08	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.017	0.25	UG/L
MW-441M1	MW-441M1_0508	07-May-08	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.018	0.25	UG/L
MW-441M1	MW-441M1_0508	07-May-08	SW8330	METHOD	2-NITROTOLUENE	0	U	0.017	0.25	UG/L
MW-441M1	MW-441M1_0508	07-May-08	SW8330	METHOD	3-NITROTOLUENE	0	U	0.017	0.25	UG/L
MW-441M1	MW-441M1_0508	07-May-08	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.022	0.25	UG/L
MW-441M1	MW-441M1_0508	07-May-08	SW8330	METHOD	4-NITROTOLUENE	0	U	0.026	0.25	UG/L
MW-441M1	MW-441M1_0508	07-May-08	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0.89		0.017	0.25	UG/L
MW-441M1	MW-441M1_0508	07-May-08	SW8330	METHOD	NITROBENZENE	0	U	0.04	0.25	UG/L
MW-441M1	MW-441M1_0508	07-May-08	SW8330	METHOD	NITROGLYCERIN	0	U	0.94	5	UG/L
MW-441M1	MW-441M1_0508	07-May-08	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.018	0.25	UG/L
MW-441M1	MW-441M1_0508	07-May-08	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	1.9	10	UG/L
MW-441M1	MW-441M1_0508	07-May-08	SW8330	METHOD	PICRIC ACID	0	U	0.014	0.25	UG/L
MW-441M1	MW-441M1_0508	07-May-08	SW8330	METHOD	TETRYL	0	U	0.04	0.25	UG/L
MW-441M2	MW-441M2-	29-Jun-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-441M2	MW-441M2-	03-Nov-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-441M2	MW-441M2-	05-Mar-07	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-441M2	MW-441M2-	29-Jun-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-441M2	MW-441M2-	03-Nov-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.021	0.25	UG/L
MW-441M2	MW-441M2-	05-Mar-07	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.021	0.25	UG/L
MW-441M2	MW-441M2-	29-Jun-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-441M2	MW-441M2-	03-Nov-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.021	0.25	UG/L
MW-441M2	MW-441M2-	05-Mar-07	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.021	0.25	UG/L
MW-441M2	MW-441M2-	29-Jun-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-441M2	MW-441M2-	03-Nov-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-441M2	MW-441M2-	05-Mar-07	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-441M2	MW-441M2-	29-Jun-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-441M2	MW-441M2-	03-Nov-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.07	0.25	UG/L
MW-441M2	MW-441M2-	05-Mar-07	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.07	0.25	UG/L
MW-441M2	MW-441M2-	29-Jun-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-441M2	MW-441M2-	03-Nov-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.028	0.25	UG/L
MW-441M2	MW-441M2-	05-Mar-07	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.028	0.25	UG/L
MW-441M2	MW-441M2-	29-Jun-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-441M2	MW-441M2-	03-Nov-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.036	0.5	UG/L
MW-441M2	MW-441M2-	05-Mar-07	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.036	0.5	UG/L
MW-441M2	MW-441M2-	29-Jun-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-441M2	MW-441M2-	03-Nov-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-441M2	MW-441M2-	05-Mar-07	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-441M2	MW-441M2-	29-Jun-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-441M2	MW-441M2-	03-Nov-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.023	0.25	UG/L
MW-441M2	MW-441M2-	05-Mar-07	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.023	0.25	UG/L
MW-441M2	MW-441M2-	29-Jun-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-441M2	MW-441M2-	03-Nov-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.041	0.25	UG/L
MW-441M2	MW-441M2-	05-Mar-07	SW8330	METHOD	2-NITROTOLUENE	0	U	0.041	0.25	UG/L
MW-441M2	MW-441M2-	29-Jun-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441M2	MW-441M2-	03-Nov-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.063	0.25	UG/L
MW-441M2	MW-441M2-	05-Mar-07	SW8330	METHOD	3-NITROTOLUENE	0	U	0.063	0.25	UG/L
MW-441M2	MW-441M2-	29-Jun-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-441M2	MW-441M2-	03-Nov-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.022	0.25	UG/L
MW-441M2	MW-441M2-	05-Mar-07	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.022	0.25	UG/L
MW-441M2	MW-441M2-	29-Jun-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-441M2	MW-441M2-	03-Nov-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.032	0.25	UG/L
MW-441M2	MW-441M2-	05-Mar-07	SW8330	METHOD	4-NITROTOLUENE	0	U	0.032	0.25	UG/L
MW-441M2	MW-441M2-	29-Jun-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
MW-441M2	MW-441M2-	03-Nov-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.053	0.25	UG/L
MW-441M2	MW-441M2-	05-Mar-07	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.053	0.25	UG/L
MW-441M2	MW-441M2-	29-Jun-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-441M2	MW-441M2-	03-Nov-06	SW8330	METHOD	NITROBENZENE	0	U	0.021	0.25	UG/L
MW-441M2	MW-441M2-	05-Mar-07	SW8330	METHOD	NITROBENZENE	0	U	0.021	0.25	UG/L
MW-441M2	MW-441M2-	29-Jun-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-441M2	MW-441M2-	03-Nov-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.1	5	UG/L
MW-441M2	MW-441M2-	05-Mar-07	SW8330	METHOD	NITROGLYCERIN	0	U	1.1	5	UG/L
MW-441M2	MW-441M2-	29-Jun-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-441M2	MW-441M2-	03-Nov-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.067	0.25	UG/L
MW-441M2	MW-441M2-	05-Mar-07	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.067	0.25	UG/L
MW-441M2	MW-441M2-	29-Jun-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-441M2	MW-441M2-	03-Nov-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	2.7	10	UG/L
MW-441M2	MW-441M2-	05-Mar-07	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	2.7	10	UG/L
MW-441M2	MW-441M2-	29-Jun-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-441M2	MW-441M2-	03-Nov-06	SW8330	METHOD	PICRIC ACID	0	U	0.036	0.25	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
MW-441M2	MW-441M2-	05-Mar-07	SW8330	METHOD	PICRIC ACID	0	U	0.036	0.25	UG/L
MW-441M2	MW-441M2-	29-Jun-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-441M2	MW-441M2-	03-Nov-06	SW8330	METHOD	TETRYL	0	U	0.025	0.25	UG/L
MW-441M2	MW-441M2-	05-Mar-07	SW8330	METHOD	TETRYL	0	U	0.025	0.25	UG/L
MW-441M2	MW-441M2_0508	07-May-08	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.011	0.25	UG/L
MW-441M2	MW-441M2_0508	07-May-08	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.04	0.25	UG/L
MW-441M2	MW-441M2_0508	07-May-08	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.012	0.25	UG/L
MW-441M2	MW-441M2_0508	07-May-08	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.015	0.25	UG/L
MW-441M2	MW-441M2_0508	07-May-08	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.0097	0.25	UG/L
MW-441M2	MW-441M2_0508	07-May-08	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.011	0.5	UG/L
MW-441M2	MW-441M2_0508	07-May-08	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.017	0.25	UG/L
MW-441M2	MW-441M2_0508	07-May-08	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.018	0.25	UG/L
MW-441M2	MW-441M2_0508	07-May-08	SW8330	METHOD	2-NITROTOLUENE	0	U	0.017	0.25	UG/L
MW-441M2	MW-441M2_0508	07-May-08	SW8330	METHOD	3-NITROTOLUENE	0	U	0.017	0.25	UG/L
MW-441M2	MW-441M2_0508	07-May-08	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.022	0.25	UG/L
MW-441M2	MW-441M2_0508	07-May-08	SW8330	METHOD	4-NITROTOLUENE	0	U	0.026	0.25	UG/L
MW-441M2	MW-441M2_0508	07-May-08	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.017	0.25	UG/L
MW-441M2	MW-441M2_0508	07-May-08	SW8330	METHOD	NITROBENZENE	0	U	0.04	0.25	UG/L
MW-441M2	MW-441M2_0508	07-May-08	SW8330	METHOD	NITROGLYCERIN	0	U	0.94	5	UG/L
MW-441M2	MW-441M2_0508	07-May-08	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.018	0.25	UG/L
MW-441M2	MW-441M2_0508	07-May-08	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	1.9	10	UG/L
MW-441M2	MW-441M2_0508	07-May-08	SW8330	METHOD	PICRIC ACID	0	U	0.014	0.25	UG/L
MW-441M2	MW-441M2_0508	07-May-08	SW8330	METHOD	TETRYL	0	U	0.04	0.25	UG/L
MW-65M1	25282	26-Aug-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-65M2	25283	26-Aug-05	E314.0	NONE	PERCHLORATE	0.77	J	0.35	1	UG/L
MW-65M2	26222	05-Dec-05	E314.0	NONE	PERCHLORATE	0.67	J	0.35	1	UG/L
MW-65S	25284	29-Aug-05	CL200.7	TOTAL	ALUMINUM	0	UJ	65.3	65.3	UG/L
MW-65S	25284	29-Aug-05	CL200.7	TOTAL	ARSENIC	0	U	4.7	4.7	UG/L
MW-65S	25284	29-Aug-05	CL200.7	TOTAL	BARIUM	7.2	J	6.8	6.8	UG/L
MW-65S	25284	29-Aug-05	CL200.7	TOTAL	BERYLLIUM	0	U	1.2	1.2	UG/L
MW-65S	25284	29-Aug-05	CL200.7	TOTAL	BORON	0	U	10.5	10.5	UG/L
MW-65S	25284	29-Aug-05	CL200.7	TOTAL	CADMIUM	0	U	0.8	0.8	UG/L
MW-65S	25284	29-Aug-05	CL200.7	TOTAL	CALCIUM	1860	J	300	300	UG/L
MW-65S	25284	29-Aug-05	CL200.7	TOTAL	CHROMIUM, TOTAL	0	U	0.9	0.9	UG/L
MW-65S	25284	29-Aug-05	CL200.7	TOTAL	COBALT	0	U	2.5	2.5	UG/L
MW-65S	25284	29-Aug-05	CL200.7	TOTAL	COPPER	0	U	2	2	UG/L
MW-65S	25284	29-Aug-05	CL200.7	TOTAL	IRON	0	UJ	84.3	194	UG/L
MW-65S	25284	29-Aug-05	CL200.7	TOTAL	LEAD	0	UJ	2.9	2.9	UG/L
MW-65S	25284	29-Aug-05	CL200.7	TOTAL	MAGNESIUM	1470	J	270	270	UG/L
MW-65S	25284	29-Aug-05	CL200.7	TOTAL	MANGANESE	4.5	J	1.9	1.9	UG/L
MW-65S	25284	29-Aug-05	CL200.7	TOTAL	MOLYBDENUM	0	U	2.6	2.6	UG/L
MW-65S	25284	29-Aug-05	CL200.7	TOTAL	NICKEL	0	U	3.1	3.1	UG/L
MW-65S	25284	29-Aug-05	CL200.7	TOTAL	POTASSIUM	0	U	692	692	UG/L
MW-65S	25284	29-Aug-05	CL200.7	TOTAL	SELENIUM	0	U	4.9	4.9	UG/L
MW-65S	25284	29-Aug-05	CL200.7	TOTAL	SILVER	0	U	1.9	1.9	UG/L
MW-65S	25284	29-Aug-05	CL200.7	TOTAL	SODIUM	3990	J	638	638	UG/L
MW-65S	25284	29-Aug-05	CL200.7	TOTAL	VANADIUM	0	U	2.3	2.3	UG/L
MW-65S	25284	29-Aug-05	CL200.7	TOTAL	ZINC	0	U	4.4	4.4	UG/L
MW-65S	25284	29-Aug-05	CL245.1	TOTAL	MERCURY	0	UJ	0.1	0.1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	1,1,1-TRICHLOROETHANE	0	U	0.14	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	1,1,2,2-TETRACHLOROETHANE	0	U	0.18	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	1,1,2-TRICHLOROETHANE	0	U	0.12	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	1,1-DICHLOROETHANE	0	U	0.22	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	1,1-DICHLOROETHENE	0	U	0.35	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	1,2,4-TRICHLOROBENZENE	0	U	0.51	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	1,2-DIBROMO-3-CHLOROPROPANE	0	U	0.38	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0	U	0.24	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	1,2-DICHLOROBENZENE	0	U	0.24	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	1,2-DICHLOROETHANE	0	U	0.12	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	1,2-DICHLOROPROPANE	0	U	0.26	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	1,3-DICHLOROBENZENE	0	U	0.25	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	1,4-DICHLOROBENZENE	0	U	0.32	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	2-CHLOROETHYL VINYL ETHER	0	U	0.0631	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	2-HEXANONE	0	U	0.67	5	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	ACETONE	0	U	0.79	5	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	BENZENE	0	U	0.092	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	BROMOCHLOROMETHANE	0	U	0.2	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	BROMODICHLOROMETHANE	0	U	0.21	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	BROMOFORM	0	U	0.28	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	BROMOMETHANE	0	U	0.51	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	CARBON DISULFIDE	0	U	0.21	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	CARBON TETRACHLORIDE	0	U	0.27	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	CHLOROBENZENE	0	U	0.21	1	UG/L

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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
MW-65S	25284	29-Aug-05	CVOL	METHOD	CHLOROETHANE	0	U	0.81	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	CHLOROFORM	0.4	J	0.16	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	CHLOROMETHANE	0	U	0.48	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	cis-1,2-DICHLOROETHYLENE	0	U	0.15	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	cis-1,3-DICHLOROPROPENE	0	U	0.13	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	DIBROMOCHLOROMETHANE	0	U	0.26	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	DIBROMOMETHANE	0	U	0.0633	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	ETHYLBENZENE	0	U	0.089	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	METHYL ETHYL KETONE (2-BUTANONE)	0	U	1.3	5	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0	U	0.49	5	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	METHYLENE CHLORIDE	0	U	0.21	2	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	STYRENE	0	U	0.13	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	tert-BUTYL METHYL ETHER	0	U	0.0448	0.5	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	TETRACHLOROETHYLENE(PCE)	0	U	0.28	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	TOLUENE	0	U	0.17	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	trans-1,2-DICHLOROETHENE	0	U	0.11	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	trans-1,3-DICHLOROPROPENE	0	U	0.12	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	TRICHLOROETHYLENE (TCE)	0	U	0.21	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	VINYL ACETATE	0	U	0.174	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	VINYL CHLORIDE	0	U	0.22	1	UG/L
MW-65S	25284	29-Aug-05	CVOL	METHOD	XYLENES, TOTAL	0	U	0.5	1	UG/L
MW-65S	25284	29-Aug-05	E314.0	NONE	PERCHLORATE	0.81	J	0.35	1	UG/L
MW-65S	25284	29-Aug-05	SW6020	TOTAL	ANTIMONY	0	U	0.3	0.56	UG/L
MW-65S	25284	29-Aug-05	SW6020	TOTAL	THALLIUM	0	U	0.1	0.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	1,2,4-TRICHLOROBENZENE	0	U	0.2293	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	1,2-DICHLOROBENZENE	0	U	0.2475	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	1,3-DICHLOROBENZENE	0	U	0.2455	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	1,4-DICHLOROBENZENE	0	U	0.297	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	2,2'-OXYBIS(1-CHLORO)PROPANE	0	U	0.6424	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	2,4,5-TRICHLOROPHENOL	0	U	1.2222	13	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	2,4,6-TRICHLOROPHENOL	0	U	1.1616	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	2,4-DICHLOROPHENOL	0	U	0.6687	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	2,4-DIMETHYLPHENOL	0	U	0.7606	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	2,4-DINITROPHENOL	0	U	1.3333	13	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	2,4-DINITROTOLUENE	0	U	0.7111	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	2,6-DINITROTOLUENE	0	U	0.5323	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	2-CHLOROBENZALDEHYDE	0	U	0.6848	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	2-CHLOROBENZOIC ACID	0	UJ	18.9899	25	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	2-CHLORONAPHTHALENE	0	U	0.2505	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	2-CHLOROPHENOL	0	U	0.6465	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	2-METHYL-3-NITROANILINE	0	U	1.3434	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	2-METHYLNAPHTHALENE	0	U	0.2788	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	2-METHYLPHENOL (o-CRESOL)	0	U	0.7596	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	2-NITROANILINE	0	U	1.1919	13	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	2-NITRODIPHENYLAMINE	0	U	0.5253	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	2-NITROPHENOL	0	U	0.8101	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	3,3'-DICHLOROBENZIDINE	0	U	1.9293	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	3,5-DINITROANILINE	0	U	0.5182	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	3-CHLOROBENZALDEHYDE	0	UJ	0.6657	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	3-NITROANILINE	0	U	1.9495	13	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	4,6-DINITRO-2-METHYLPHENOL	0	U	1.4949	13	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	4-BROMOPHENYL PHENYL ETHER	0	U	0.3222	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	4-CHLORO-3-METHYLPHENOL	0	U	0.8313	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	4-CHLOROANILINE	0	U	2.3535	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	4-CHLOROBENZALDEHYDE	0	UJ	0.5939	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	4-CHLOROPHENYL PHENYL ETHER	0	U	0.3364	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	4-METHYLPHENOL (p-CRESOL)	0	U	1.3636	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	4-NITROANILINE	0	U	1.6667	13	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	4-NITROPHENOL	0	U	0.8626	13	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	5-NITRO-o-TOLUIDINE	0	UJ	1.202	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	ACENAPHTHENE	0	U	0.3505	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	ACENAPHTHYLENE	0	U	0.5111	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	ANILINE (PHENYLAMINE, AMINOBENZENE)	0	U	0.3919	13	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	ANTHRACENE	0	U	0.6525	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	BENZO(a)ANTHRACENE	0	U	0.7101	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	BENZO(a)PYRENE	0	U	0.6808	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	BENZO(b)FLUORANTHENE	0	UJ	1.0505	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	BENZO(g,h,i)PERYLENE	0	UJ	0.9475	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	BENZO(k)FLUORANTHENE	0	U	1.0808	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	BENZOIC ACID	0	U	1.4646	13	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	BENZYL ALCOHOL	0	U	0.5687	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	BENZYL BUTYL PHTHALATE	0	U	1.2929	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	bis(2-CHLOROETHOXY) METHANE	0	U	0.6141	5.1	UG/L

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Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
MW-65S	25284	29-Aug-05	SW8270C	SW3510	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	0	U	0.6778	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	bis(2-ETHYLHEXYL) PHTHALATE	0	U	0.8919	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	CARBAZOLE	0	U	0.8111	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	CHRYSENE	0	U	0.7303	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	DIBENZ(a,h)ANTHRACENE	0	U	0.8485	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	DIBENZOFURAN	0	U	0.5949	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	DIETHYL PHTHALATE	0	U	0.5131	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	DIMETHYL PHTHALATE	0	U	0.5798	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	DI-n-BUTYL PHTHALATE	0	U	0.6566	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	DI-n-OCTYLPHTHALATE	0	U	0.7152	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	DIPROPYL ADIPATE	0	UJ	0.3515	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	FLUORANTHENE	0	U	1.0303	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	FLUORENE	0	U	0.4768	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	HEXACHLOROBENZENE	0	U	0.4293	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	HEXACHLOROBUTADIENE	0	U	0.2162	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	HEXACHLOROCYCLOPENTADIENE	0	U	0.2545	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	HEXACHLOROETHANE	0	U	0.2333	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	INDENO(1,2,3-c,d)PYRENE	0	U	0.8051	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	ISOPHORONE	0	U	0.496	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	N,N'-DIETHYLCARBANILIDE	0	UJ	0.4525	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	NAPHTHALENE	0	U	0.3323	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	NITROBENZENE	0	U	0.6525	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	N-NITROSODIMETHYLAMINE	0	U	0.4646	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	N-NITROSODI-n-PROPYLAMINE	0	U	0.7081	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	N-NITROSODIPHENYLAMINE	0	U	0.5495	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	PENTACHLOROPHENOL	0	U	1.8081	13	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	PHENANTHRENE	0	U	0.7263	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	PHENOL	0	U	0.2727	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8270C	SW3510	PYRENE	0	U	1.6364	5.1	UG/L
MW-65S	25284	29-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
MW-65S	25284	29-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
MW-65S	25284	29-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-65S	25284	29-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
MW-65S	25284	29-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-65S	25284	29-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
MW-65S	25284	29-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
MW-65S	25284	29-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
MW-65S	25284	29-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-65S	25284	29-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-65S	25284	29-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-65S	25284	29-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-65S	25284	29-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
MW-65S	25284	29-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
MW-65S	25284	29-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-65S	25284	29-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
MW-65S	25284	29-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
MW-65S	25284	29-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
MW-65S	25284	29-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
MW-65S	26223	05-Dec-05	E314.0	NONE	PERCHLORATE	0.62	J	0.35	1	UG/L
MW-65S	27266	22-Jun-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-65S	27266	22-Jun-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-65S	27266	22-Jun-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-65S	27266	22-Jun-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-65S	27266	22-Jun-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-65S	27266	22-Jun-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-65S	27266	22-Jun-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-65S	27266	22-Jun-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-65S	27266	22-Jun-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-65S	27266	22-Jun-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-65S	27266	22-Jun-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
MW-65S	27266	22-Jun-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-65S	27266	22-Jun-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
MW-65S	27266	22-Jun-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-65S	27266	22-Jun-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-65S	27266	22-Jun-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-65S	27266	22-Jun-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-65S	27266	22-Jun-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-65S	27266	22-Jun-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-65S	27411	10-Oct-06	E314.0	NONE	PERCHLORATE	0.95	J	0.35	1	UG/L
MW-65S	MW-65S-	23-Apr-07	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-65S	MW-65S-	23-Apr-07	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.021	0.25	UG/L
MW-65S	MW-65S-	23-Apr-07	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.021	0.25	UG/L
MW-65S	MW-65S-	23-Apr-07	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.021	0.25	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
MW-65S	MW-65S-	23-Apr-07	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.07	0.25	UG/L
MW-65S	MW-65S-	23-Apr-07	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.028	0.25	UG/L
MW-65S	MW-65S-	23-Apr-07	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.036	0.5	UG/L
MW-65S	MW-65S-	23-Apr-07	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-65S	MW-65S-	23-Apr-07	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.023	0.25	UG/L
MW-65S	MW-65S-	23-Apr-07	SW8330	METHOD	2-NITROTOLUENE	0	U	0.041	0.25	UG/L
MW-65S	MW-65S-	23-Apr-07	SW8330	METHOD	3-NITROTOLUENE	0	U	0.063	0.25	UG/L
MW-65S	MW-65S-	23-Apr-07	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.022	0.25	UG/L
MW-65S	MW-65S-	23-Apr-07	SW8330	METHOD	4-NITROTOLUENE	0	U	0.032	0.25	UG/L
MW-65S	MW-65S-	23-Apr-07	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.053	0.25	UG/L
MW-65S	MW-65S-	23-Apr-07	SW8330	METHOD	NITROBENZENE	0	U	0.021	0.25	UG/L
MW-65S	MW-65S-	23-Apr-07	SW8330	METHOD	NITROGLYCERIN	0	U	1.1	5	UG/L
MW-65S	MW-65S-	23-Apr-07	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.067	0.25	UG/L
MW-65S	MW-65S-	23-Apr-07	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	2.7	10	UG/L
MW-65S	MW-65S-	23-Apr-07	SW8330	METHOD	PICRIC ACID	0	U	0.036	0.25	UG/L
MW-65S	MW-65S-	23-Apr-07	SW8330	METHOD	TETRYL	0	U	0.025	0.25	UG/L
MW-65S	MW-65S_0508	09-May-08	E314.0	METHOD	PERCHLORATE	0.87	J	0.35	1	UG/L
MW-65S	MW-65S_0508	09-May-08	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.011	0.25	UG/L
MW-65S	MW-65S_0508	09-May-08	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.04	0.25	UG/L
MW-65S	MW-65S_0508	09-May-08	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.012	0.25	UG/L
MW-65S	MW-65S_0508	09-May-08	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.015	0.25	UG/L
MW-65S	MW-65S_0508	09-May-08	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.0097	0.25	UG/L
MW-65S	MW-65S_0508	09-May-08	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.011	0.5	UG/L
MW-65S	MW-65S_0508	09-May-08	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.017	0.25	UG/L
MW-65S	MW-65S_0508	09-May-08	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.018	0.25	UG/L
MW-65S	MW-65S_0508	09-May-08	SW8330	METHOD	2-NITROTOLUENE	0	U	0.017	0.25	UG/L
MW-65S	MW-65S_0508	09-May-08	SW8330	METHOD	3-NITROTOLUENE	0	U	0.017	0.25	UG/L
MW-65S	MW-65S_0508	09-May-08	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.022	0.25	UG/L
MW-65S	MW-65S_0508	09-May-08	SW8330	METHOD	4-NITROTOLUENE	0	U	0.026	0.25	UG/L
MW-65S	MW-65S_0508	09-May-08	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.017	0.25	UG/L
MW-65S	MW-65S_0508	09-May-08	SW8330	METHOD	NITROBENZENE	0	U	0.04	0.25	UG/L
MW-65S	MW-65S_0508	09-May-08	SW8330	METHOD	NITROGLYCERIN	0	U	0.94	5	UG/L
MW-65S	MW-65S_0508	09-May-08	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.018	0.25	UG/L
MW-65S	MW-65S_0508	09-May-08	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	1.9	10	UG/L
MW-65S	MW-65S_0508	09-May-08	SW8330	METHOD	PICRIC ACID	0	U	0.014	0.25	UG/L
MW-65S	MW-65S_0508	09-May-08	SW8330	METHOD	TETRYL	0	U	0.04	0.25	UG/L
MW-66M1	25285	29-Aug-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
MW-66M2	25286	29-Aug-05	E314.0	NONE	PERCHLORATE	1.3		0.35	1	UG/L
MW-66M2	26224	06-Dec-05	E314.0	NONE	PERCHLORATE	0.91	J	0.35	1	UG/L
MW-66S	25287	29-Aug-05	CL200.7	TOTAL	ALUMINUM	0	UJ	65.3	65.3	UG/L
MW-66S	25287	29-Aug-05	CL200.7	TOTAL	ARSENIC	0	U	4.7	4.7	UG/L
MW-66S	25287	29-Aug-05	CL200.7	TOTAL	BARIUM	0	U	6.8	6.8	UG/L
MW-66S	25287	29-Aug-05	CL200.7	TOTAL	BERYLLIUM	0	U	1.2	1.2	UG/L
MW-66S	25287	29-Aug-05	CL200.7	TOTAL	BORON	0	U	10.5	10.5	UG/L
MW-66S	25287	29-Aug-05	CL200.7	TOTAL	CADMIUM	0	U	0.8	0.8	UG/L
MW-66S	25287	29-Aug-05	CL200.7	TOTAL	CALCIUM	0	U	300	300	UG/L
MW-66S	25287	29-Aug-05	CL200.7	TOTAL	CHROMIUM, TOTAL	0	U	0.9	0.9	UG/L
MW-66S	25287	29-Aug-05	CL200.7	TOTAL	COBALT	0	U	2.5	2.5	UG/L
MW-66S	25287	29-Aug-05	CL200.7	TOTAL	COPPER	0	U	2	2	UG/L
MW-66S	25287	29-Aug-05	CL200.7	TOTAL	IRON	0	UJ	84.3	84.3	UG/L
MW-66S	25287	29-Aug-05	CL200.7	TOTAL	LEAD	0	U	2.2	2.2	UG/L
MW-66S	25287	29-Aug-05	CL200.7	TOTAL	MAGNESIUM	1330	J	270	270	UG/L
MW-66S	25287	29-Aug-05	CL200.7	TOTAL	MANGANESE	0	U	1.9	1.9	UG/L
MW-66S	25287	29-Aug-05	CL200.7	TOTAL	MOLYBDENUM	0	UJ	2.6	2.6	UG/L
MW-66S	25287	29-Aug-05	CL200.7	TOTAL	NICKEL	0	U	3.1	3.1	UG/L
MW-66S	25287	29-Aug-05	CL200.7	TOTAL	POTASSIUM	0	U	692	692	UG/L
MW-66S	25287	29-Aug-05	CL200.7	TOTAL	SELENIUM	0	U	4.9	4.9	UG/L
MW-66S	25287	29-Aug-05	CL200.7	TOTAL	SILVER	0	U	1.9	1.9	UG/L
MW-66S	25287	29-Aug-05	CL200.7	TOTAL	SODIUM	5310		638	638	UG/L
MW-66S	25287	29-Aug-05	CL200.7	TOTAL	VANADIUM	0	U	2.3	2.3	UG/L
MW-66S	25287	29-Aug-05	CL200.7	TOTAL	ZINC	0	U	4.4	4.4	UG/L
MW-66S	25287	29-Aug-05	CL245.1	TOTAL	MERCURY	0	UJ	0.1	0.1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	1,1,1-TRICHLOROETHANE	0	U	0.14	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	1,1,2,2-TETRACHLOROETHANE	0	U	0.18	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	1,1,2-TRICHLOROETHANE	0	U	0.12	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	1,1-DICHLOROETHANE	0	U	0.22	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	1,1-DICHLOROETHENE	0	U	0.35	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	1,2,4-TRICHLOROBENZENE	0	U	0.51	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	1,2-DIBROMO-3-CHLOROPROPANE	0	U	0.38	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0	U	0.24	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	1,2-DICHLOROBENZENE	0	U	0.24	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	1,2-DICHLOROETHANE	0	U	0.12	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	1,2-DICHLOROPROPANE	0	U	0.26	1	UG/L

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Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
MW-66S	25287	29-Aug-05	CVOL	METHOD	1,3-DICHLOROBENZENE	0	U	0.25	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	1,4-DICHLOROBENZENE	0	U	0.32	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	2-CHLOROETHYL VINYL ETHER	0	U	0.0631	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	2-HEXANONE	0	U	0.67	5	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	ACETONE	0	U	0.79	5	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	BENZENE	0	U	0.092	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	BROMOCHLOROMETHANE	0	U	0.2	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	BROMODICHLOROMETHANE	0	U	0.21	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	BROMOFORM	0	U	0.28	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	BROMOMETHANE	0	U	0.51	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	CARBON DISULFIDE	0	U	0.21	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	CARBON TETRACHLORIDE	0	U	0.27	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	CHLOROBENZENE	0	U	0.21	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	CHLOROETHANE	0	U	0.81	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	CHLOROFORM	0.8	J	0.16	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	CHLOROMETHANE	0.4	J	0.39	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	cis-1,2-DICHLOROETHYLENE	0	U	0.15	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	cis-1,3-DICHLOROPROPENE	0	U	0.13	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	DIBROMOCHLOROMETHANE	0	U	0.26	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	DIBROMOMETHANE	0	U	0.0633	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	ETHYLBENZENE	0	U	0.089	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	METHYL ETHYL KETONE (2-BUTANONE)	0	U	1.3	5	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0	U	0.49	5	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	METHYLENE CHLORIDE	0	U	0.21	2	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	STYRENE	0	U	0.13	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	tert-BUTYL METHYL ETHER	0	U	0.0448	0.5	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	TETRACHLOROETHYLENE(PCE)	0	U	0.28	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	TOLUENE	0	U	0.17	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	trans-1,2-DICHLOROETHENE	0	U	0.11	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	trans-1,3-DICHLOROPROPENE	0	U	0.12	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	TRICHLOROETHYLENE (TCE)	0	U	0.21	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	VINYL ACETATE	0	U	0.174	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	VINYL CHLORIDE	0	U	0.22	1	UG/L
MW-66S	25287	29-Aug-05	CVOL	METHOD	XYLENES, TOTAL	0	U	0.5	1	UG/L
MW-66S	25287	29-Aug-05	E314.0	NONE	PERCHLORATE	1.4		0.35	1	UG/L
MW-66S	25287	29-Aug-05	SW6020	TOTAL	ANTIMONY	0	U	0.3	0.65	UG/L
MW-66S	25287	29-Aug-05	SW6020	TOTAL	THALLIUM	0	U	0.1	0.1	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	1,2,4-TRICHLOROBENZENE	0	U	0.2365	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	1,2-DICHLOROBENZENE	0	U	0.2552	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	1,3-DICHLOROBENZENE	0	U	0.2531	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	1,4-DICHLOROBENZENE	0	U	0.3063	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	2,2'-OXYBIS(1-CHLORO)PROPANE	0	U	0.6625	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	2,4,5-TRICHLOROPHENOL	0	U	1.2604	13	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	2,4,6-TRICHLOROPHENOL	0	U	1.1979	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	2,4-DICHLOROPHENOL	0	U	0.6896	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	2,4-DIMETHYLPHENOL	0	U	0.7844	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	2,4-DINITROPHENOL	0	U	1.375	13	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	2,4-DINITROTOLUENE	0	U	0.7333	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	2,6-DINITROTOLUENE	0	U	0.549	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	2-CHLOROBENZALDEHYDE	0	U	0.7063	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	2-CHLOROBENZOIC ACID	0	UJ	19.5833	26	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	2-CHLORONAPHTHALENE	0	U	0.2583	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	2-CHLOROPHENOL	0	U	0.6667	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	2-METHYL-3-NITROANILINE	0	U	1.3854	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	2-METHYLNAPHTHALENE	0	U	0.2875	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	2-METHYLPHENOL (o-CRESOL)	0	U	0.7833	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	2-NITROANILINE	0	U	1.2292	13	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	2-NITRODIPHENYLAMINE	0	U	0.5417	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	2-NITROPHENOL	0	U	0.8354	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	3,3'-DICHLOROBENZIDINE	0	U	1.9896	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	3,5-DINITROANILINE	0	U	0.5344	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	3-CHLOROBENZALDEHYDE	0	UJ	0.6865	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	3-NITROANILINE	0	U	2.0104	13	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	4,6-DINITRO-2-METHYLPHENOL	0	U	1.5417	13	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	4-BROMOPHENYL PHENYL ETHER	0	U	0.3323	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	4-CHLORO-3-METHYLPHENOL	0	U	0.8573	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	4-CHLOROANILINE	0	U	2.4271	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	4-CHLOROBENZALDEHYDE	0	UJ	0.6125	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	4-CHLOROPHENYL PHENYL ETHER	0	U	0.3469	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	4-METHYLPHENOL (p-CRESOL)	0	U	1.4063	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	4-NITROANILINE	0	U	1.7188	13	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	4-NITROPHENOL	0	U	0.8896	13	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	5-NITRO-o-TOLUIDINE	0	UJ	1.2396	5.2	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
MW-66S	25287	29-Aug-05	SW8270C	SW3510	ACENAPHTHENE	0	U	0.3615	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	ACENAPHTHYLENE	0	U	0.5271	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	ANILINE (PHENYLAMINE, AMINOBENZENE)	0	U	0.4042	13	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	ANTHRACENE	0	U	0.6729	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	BENZO(a)ANTHRACENE	0	U	0.7323	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	BENZO(a)PYRENE	0	U	0.7021	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	BENZO(b)FLUORANTHENE	0	UJ	1.0833	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	BENZO(g,h,i)PERYLENE	0	UJ	0.9771	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	BENZO(k)FLUORANTHENE	0	U	1.1146	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	BENZOIC ACID	0	U	1.5104	13	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	BENZYL ALCOHOL	0	U	0.5865	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	BENZYL BUTYL PHTHALATE	0	U	1.3333	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	bis(2-CHLOROETHOXY) METHANE	0	U	0.6333	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	0	U	0.699	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	bis(2-ETHYLHEXYL) PHTHALATE	0	U	0.9198	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	CARBAZOLE	0	U	0.8365	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	CHRYSENE	0	U	0.7531	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	DIBENZ(a,h)ANTHRACENE	0	U	0.875	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	DIBENZOFURAN	0	U	0.6135	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	DIETHYL PHTHALATE	0	U	0.5292	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	DIMETHYL PHTHALATE	0	U	0.5979	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	DI-n-BUTYL PHTHALATE	0	U	0.6771	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	DI-n-OCTYLPHTHALATE	0	U	0.7375	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	DIPROPYL ADIPATE	0	UJ	0.3625	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	FLUORANTHENE	0	U	1.0625	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	FLUORENE	0	U	0.4917	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	HEXACHLOROBENZENE	0	U	0.4427	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	HEXACHLOROBUTADIENE	0	U	0.2229	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	HEXACHLOROCYCLOPENTADIENE	0	U	0.2625	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	HEXACHLOROETHANE	0	U	0.2406	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	INDENO(1,2,3-c,d)PYRENE	0	U	0.8302	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	ISOPHORONE	0	U	0.5115	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	N,N'-DIETHYLCARBANILIDE	0	UJ	0.4667	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	NAPHTHALENE	0	U	0.3427	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	NITROBENZENE	0	U	0.6729	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	N-NITROSODIMETHYLAMINE	0	U	0.4792	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	N-NITROSODI-n-PROPYLAMINE	0	U	0.7302	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	N-NITROSODIPHENYLAMINE	0	U	0.5667	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	PENTACHLOROPHENOL	0	U	1.8646	13	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	PHENANTHRENE	0	U	0.749	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	PHENOL	0	U	0.2813	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8270C	SW3510	PYRENE	0	U	1.6875	5.2	UG/L
MW-66S	25287	29-Aug-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.049	0.25	UG/L
MW-66S	25287	29-Aug-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.049	0.25	UG/L
MW-66S	25287	29-Aug-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-66S	25287	29-Aug-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.054	0.25	UG/L
MW-66S	25287	29-Aug-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.032	0.25	UG/L
MW-66S	25287	29-Aug-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	UJ	0.054	0.5	UG/L
MW-66S	25287	29-Aug-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.024	0.25	UG/L
MW-66S	25287	29-Aug-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.035	0.25	UG/L
MW-66S	25287	29-Aug-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-66S	25287	29-Aug-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-66S	25287	29-Aug-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-66S	25287	29-Aug-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.14	0.25	UG/L
MW-66S	25287	29-Aug-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.032	0.25	UG/L
MW-66S	25287	29-Aug-05	SW8330	METHOD	NITROBENZENE	0	U	0.042	0.25	UG/L
MW-66S	25287	29-Aug-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-66S	25287	29-Aug-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.024	0.25	UG/L
MW-66S	25287	29-Aug-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.7	10	UG/L
MW-66S	25287	29-Aug-05	SW8330	METHOD	PICRIC ACID	0	U	0.053	0.25	UG/L
MW-66S	25287	29-Aug-05	SW8330	METHOD	TETRYL	0	U	0.061	0.25	UG/L
MW-66S	26225	06-Dec-05	E314.0	NONE	PERCHLORATE	1.5		0.35	1	UG/L
MW-66S	27267	22-Jun-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
MW-66S	27267	22-Jun-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
MW-66S	27267	22-Jun-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
MW-66S	27267	22-Jun-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
MW-66S	27267	22-Jun-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
MW-66S	27267	22-Jun-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
MW-66S	27267	22-Jun-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
MW-66S	27267	22-Jun-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-66S	27267	22-Jun-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
MW-66S	27267	22-Jun-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-66S	27267	22-Jun-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L

Table A-7
Northwest Corner Analytical Results Table
June 2005 - December 2008

Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
MW-66S	27267	22-Jun-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
MW-66S	27267	22-Jun-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
MW-66S	27267	22-Jun-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
MW-66S	27267	22-Jun-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
MW-66S	27267	22-Jun-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
MW-66S	27267	22-Jun-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
MW-66S	27267	22-Jun-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
MW-66S	27267	22-Jun-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
MW-66S	27412	10-Oct-06	E314.0	NONE	PERCHLORATE	1		0.35	1	UG/L
MW-66S	MW-66S-	24-Apr-07	E314.0	NONE	PERCHLORATE	0.62	J	0.35	1	UG/L
MW-66S	MW-66S-	24-Apr-07	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.021	0.25	UG/L
MW-66S	MW-66S-	24-Apr-07	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.021	0.25	UG/L
MW-66S	MW-66S-	24-Apr-07	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-66S	MW-66S-	24-Apr-07	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.07	0.25	UG/L
MW-66S	MW-66S-	24-Apr-07	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.028	0.25	UG/L
MW-66S	MW-66S-	24-Apr-07	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.036	0.5	UG/L
MW-66S	MW-66S-	24-Apr-07	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-66S	MW-66S-	24-Apr-07	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.023	0.25	UG/L
MW-66S	MW-66S-	24-Apr-07	SW8330	METHOD	2-NITROTOLUENE	0	U	0.041	0.25	UG/L
MW-66S	MW-66S-	24-Apr-07	SW8330	METHOD	3-NITROTOLUENE	0	U	0.063	0.25	UG/L
MW-66S	MW-66S-	24-Apr-07	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.022	0.25	UG/L
MW-66S	MW-66S-	24-Apr-07	SW8330	METHOD	4-NITROTOLUENE	0	U	0.032	0.25	UG/L
MW-66S	MW-66S-	24-Apr-07	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.053	0.25	UG/L
MW-66S	MW-66S-	24-Apr-07	SW8330	METHOD	NITROBENZENE	0	U	0.021	0.25	UG/L
MW-66S	MW-66S-	24-Apr-07	SW8330	METHOD	NITROGLYCERIN	0	U	1.1	5	UG/L
MW-66S	MW-66S-	24-Apr-07	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.067	0.25	UG/L
MW-66S	MW-66S-	24-Apr-07	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	2.7	10	UG/L
MW-66S	MW-66S-	24-Apr-07	SW8330	METHOD	PICRIC ACID	0	U	0.036	0.25	UG/L
MW-66S	MW-66S-	24-Apr-07	SW8330	METHOD	TETRYL	0	U	0.025	0.25	UG/L
MW-66S	MW-66S_0508	09-May-08	E314.0	METHOD	PERCHLORATE	0.55	J	0.35	1	UG/L
MW-66S	MW-66S_0508	09-May-08	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.011	0.25	UG/L
MW-66S	MW-66S_0508	09-May-08	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.04	0.25	UG/L
MW-66S	MW-66S_0508	09-May-08	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.012	0.25	UG/L
MW-66S	MW-66S_0508	09-May-08	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.015	0.25	UG/L
MW-66S	MW-66S_0508	09-May-08	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.0097	0.25	UG/L
MW-66S	MW-66S_0508	09-May-08	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.011	0.5	UG/L
MW-66S	MW-66S_0508	09-May-08	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.017	0.25	UG/L
MW-66S	MW-66S_0508	09-May-08	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.018	0.25	UG/L
MW-66S	MW-66S_0508	09-May-08	SW8330	METHOD	2-NITROTOLUENE	0	U	0.017	0.25	UG/L
MW-66S	MW-66S_0508	09-May-08	SW8330	METHOD	3-NITROTOLUENE	0	U	0.017	0.25	UG/L
MW-66S	MW-66S_0508	09-May-08	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.022	0.25	UG/L
MW-66S	MW-66S_0508	09-May-08	SW8330	METHOD	4-NITROTOLUENE	0	U	0.026	0.25	UG/L
MW-66S	MW-66S_0508	09-May-08	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.017	0.25	UG/L
MW-66S	MW-66S_0508	09-May-08	SW8330	METHOD	NITROBENZENE	0	U	0.04	0.25	UG/L
MW-66S	MW-66S_0508	09-May-08	SW8330	METHOD	NITROGLYCERIN	0	U	0.94	5	UG/L
MW-66S	MW-66S_0508	09-May-08	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.018	0.25	UG/L
MW-66S	MW-66S_0508	09-May-08	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	1.9	10	UG/L
MW-66S	MW-66S_0508	09-May-08	SW8330	METHOD	PICRIC ACID	0	U	0.014	0.25	UG/L
MW-66S	MW-66S_0508	09-May-08	SW8330	METHOD	TETRYL	0	U	0.04	0.25	UG/L
MW-66S	MW-66S-FD	24-Apr-07	E314.0	NONE	PERCHLORATE	0.57	J	0.35	1	UG/L
MW-66S	MW-66S-FD	24-Apr-07	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.021	0.25	UG/L
MW-66S	MW-66S-FD	24-Apr-07	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.021	0.25	UG/L
MW-66S	MW-66S-FD	24-Apr-07	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.021	0.25	UG/L
MW-66S	MW-66S-FD	24-Apr-07	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.07	0.25	UG/L
MW-66S	MW-66S-FD	24-Apr-07	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.028	0.25	UG/L
MW-66S	MW-66S-FD	24-Apr-07	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.036	0.5	UG/L
MW-66S	MW-66S-FD	24-Apr-07	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
MW-66S	MW-66S-FD	24-Apr-07	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.023	0.25	UG/L
MW-66S	MW-66S-FD	24-Apr-07	SW8330	METHOD	2-NITROTOLUENE	0	U	0.041	0.25	UG/L
MW-66S	MW-66S-FD	24-Apr-07	SW8330	METHOD	3-NITROTOLUENE	0	U	0.063	0.25	UG/L
MW-66S	MW-66S-FD	24-Apr-07	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.022	0.25	UG/L
MW-66S	MW-66S-FD	24-Apr-07	SW8330	METHOD	4-NITROTOLUENE	0	U	0.032	0.25	UG/L
MW-66S	MW-66S-FD	24-Apr-07	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.053	0.25	UG/L
MW-66S	MW-66S-FD	24-Apr-07	SW8330	METHOD	NITROBENZENE	0	U	0.021	0.25	UG/L
MW-66S	MW-66S-FD	24-Apr-07	SW8330	METHOD	NITROGLYCERIN	0	U	1.1	5	UG/L
MW-66S	MW-66S-FD	24-Apr-07	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.067	0.25	UG/L
MW-66S	MW-66S-FD	24-Apr-07	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	2.7	10	UG/L
MW-66S	MW-66S-FD	24-Apr-07	SW8330	METHOD	PICRIC ACID	0	U	0.036	0.25	UG/L
MW-66S	MW-66S-FD	24-Apr-07	SW8330	METHOD	TETRYL	0	U	0.025	0.25	UG/L
RSNW01	26988	11-Apr-06	E314.0	NONE	PERCHLORATE	0.54	J	0.35	1	UG/L
RSNW01	RSNW01	26-Apr-07	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
RSNW01	RSNW01_0508	12-May-08	E314.0	METHOD	PERCHLORATE	0.46	J	0.35	1	UG/L
RSNW04	26059	10-Nov-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
RSNW04	26059	10-Nov-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
RSNW04	26059	10-Nov-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
RSNW04	26059	10-Nov-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
RSNW04	26059	10-Nov-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
RSNW04	26059	10-Nov-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
RSNW04	26059	10-Nov-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
RSNW04	26059	10-Nov-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
RSNW04	26059	10-Nov-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
RSNW04	26059	10-Nov-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
RSNW04	26059	10-Nov-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
RSNW04	26059	10-Nov-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
RSNW04	26059	10-Nov-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
RSNW04	26059	10-Nov-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
RSNW04	26059	10-Nov-05	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
RSNW04	26059	10-Nov-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
RSNW04	26059	10-Nov-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
RSNW04	26059	10-Nov-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
RSNW04	26059	10-Nov-05	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
RSNW04	26059	10-Nov-05	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
RSNW05	26060	10-Nov-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
RSNW05	26060	10-Nov-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
RSNW05	26060	10-Nov-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
RSNW05	26060	10-Nov-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
RSNW05	26060	10-Nov-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
RSNW05	26060	10-Nov-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
RSNW05	26060	10-Nov-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
RSNW05	26060	10-Nov-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
RSNW05	26060	10-Nov-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
RSNW05	26060	10-Nov-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
RSNW05	26060	10-Nov-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
RSNW05	26060	10-Nov-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
RSNW05	26060	10-Nov-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
RSNW05	26060	10-Nov-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
RSNW05	26060	10-Nov-05	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
RSNW05	26060	10-Nov-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
RSNW05	26060	10-Nov-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
RSNW05	26060	10-Nov-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
RSNW05	26060	10-Nov-05	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
RSNW05	26060	10-Nov-05	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
RSNW05	26061	10-Nov-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
RSNW05	26061	10-Nov-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
RSNW05	26061	10-Nov-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
RSNW05	26061	10-Nov-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
RSNW05	26061	10-Nov-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
RSNW05	26061	10-Nov-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
RSNW05	26061	10-Nov-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
RSNW05	26061	10-Nov-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
RSNW05	26061	10-Nov-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
RSNW05	26061	10-Nov-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
RSNW05	26061	10-Nov-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
RSNW05	26061	10-Nov-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
RSNW05	26061	10-Nov-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
RSNW05	26061	10-Nov-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
RSNW05	26061	10-Nov-05	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
RSNW05	26061	10-Nov-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
RSNW05	26061	10-Nov-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
RSNW05	26061	10-Nov-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
RSNW05	26061	10-Nov-05	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
RSNW05	26061	10-Nov-05	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
RSNW06	26062	10-Nov-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
RSNW06	26062	10-Nov-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
RSNW06	26062	10-Nov-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
RSNW06	26062	10-Nov-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
RSNW06	26062	10-Nov-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
RSNW06	26062	10-Nov-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
RSNW06	26062	10-Nov-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
RSNW06	26062	10-Nov-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
RSNW06	26062	10-Nov-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
RSNW06	26062	10-Nov-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
RSNW06	26062	10-Nov-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
RSNW06	26062	10-Nov-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
RSNW06	26062	10-Nov-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
RSNW06	26062	10-Nov-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L

Table A-7
Northwest Corner Analytical Results Table
June 2005 - December 2008

Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
RSNW06	26062	10-Nov-05	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
RSNW06	26062	10-Nov-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
RSNW06	26062	10-Nov-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
RSNW06	26062	10-Nov-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
RSNW06	26062	10-Nov-05	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
RSNW06	26062	10-Nov-05	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
RSNW06	26827	16-Mar-06	E314.0	NONE	PERCHLORATE	1.1		0.35	1	UG/L
RSNW06	26827	16-Mar-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
RSNW06	26827	16-Mar-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
RSNW06	26827	16-Mar-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
RSNW06	26827	16-Mar-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
RSNW06	26827	16-Mar-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
RSNW06	26827	16-Mar-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
RSNW06	26827	16-Mar-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
RSNW06	26827	16-Mar-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
RSNW06	26827	16-Mar-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
RSNW06	26827	16-Mar-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
RSNW06	26827	16-Mar-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
RSNW06	26827	16-Mar-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
RSNW06	26827	16-Mar-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
RSNW06	26827	16-Mar-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
RSNW06	26827	16-Mar-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
RSNW06	26827	16-Mar-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
RSNW06	26827	16-Mar-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
RSNW06	26827	16-Mar-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
RSNW06	26827	16-Mar-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
RSNW06	27280	21-Jun-06	E314.0	NONE	PERCHLORATE	1.3		0.35	1	UG/L
RSNW06	27280	21-Jun-06	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
RSNW06	27280	21-Jun-06	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
RSNW06	27280	21-Jun-06	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
RSNW06	27280	21-Jun-06	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
RSNW06	27280	21-Jun-06	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
RSNW06	27280	21-Jun-06	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
RSNW06	27280	21-Jun-06	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
RSNW06	27280	21-Jun-06	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
RSNW06	27280	21-Jun-06	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
RSNW06	27280	21-Jun-06	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
RSNW06	27280	21-Jun-06	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
RSNW06	27280	21-Jun-06	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
RSNW06	27280	21-Jun-06	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
RSNW06	27280	21-Jun-06	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
RSNW06	27280	21-Jun-06	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
RSNW06	27280	21-Jun-06	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
RSNW06	27280	21-Jun-06	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
RSNW06	27280	21-Jun-06	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
RSNW06	27280	21-Jun-06	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
RSNW06	RSNW06	26-Apr-07	E314.0	NONE	PERCHLORATE	1.1		0.35	1	UG/L
RSNW06	RSNW06	26-Apr-07	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.021	0.25	UG/L
RSNW06	RSNW06	26-Apr-07	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.021	0.25	UG/L
RSNW06	RSNW06	26-Apr-07	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.021	0.25	UG/L
RSNW06	RSNW06	26-Apr-07	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.07	0.25	UG/L
RSNW06	RSNW06	26-Apr-07	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.028	0.25	UG/L
RSNW06	RSNW06	26-Apr-07	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.036	0.5	UG/L
RSNW06	RSNW06	26-Apr-07	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.034	0.25	UG/L
RSNW06	RSNW06	26-Apr-07	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.023	0.25	UG/L
RSNW06	RSNW06	26-Apr-07	SW8330	METHOD	2-NITROTOLUENE	0	U	0.041	0.25	UG/L
RSNW06	RSNW06	26-Apr-07	SW8330	METHOD	3-NITROTOLUENE	0	U	0.063	0.25	UG/L
RSNW06	RSNW06	26-Apr-07	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.022	0.25	UG/L
RSNW06	RSNW06	26-Apr-07	SW8330	METHOD	4-NITROTOLUENE	0	U	0.032	0.25	UG/L
RSNW06	RSNW06	26-Apr-07	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.6	0.6	UG/L
RSNW06	RSNW06	26-Apr-07	SW8330	METHOD	NITROBENZENE	0	U	0.021	0.25	UG/L
RSNW06	RSNW06	26-Apr-07	SW8330	METHOD	NITROGLYCERIN	0	U	1.1	5	UG/L
RSNW06	RSNW06	26-Apr-07	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.067	0.25	UG/L
RSNW06	RSNW06	26-Apr-07	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	2.7	10	UG/L
RSNW06	RSNW06	26-Apr-07	SW8330	METHOD	PICRIC ACID	0	U	0.036	0.25	UG/L
RSNW06	RSNW06	26-Apr-07	SW8330	METHOD	TETRYL	0	U	0.025	0.25	UG/L
RSNW06	RSNW06_0508	16-May-08	E314.0	METHOD	PERCHLORATE	1.3		0.35	1	UG/L
RSNW06	RSNW06_0508	16-May-08	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.011	0.25	UG/L
RSNW06	RSNW06_0508	16-May-08	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.04	0.25	UG/L
RSNW06	RSNW06_0508	16-May-08	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.012	0.25	UG/L
RSNW06	RSNW06_0508	16-May-08	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.015	0.25	UG/L
RSNW06	RSNW06_0508	16-May-08	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.0097	0.25	UG/L
RSNW06	RSNW06_0508	16-May-08	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.011	0.5	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
RSNW06	RSNW06_0508	16-May-08	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.017	0.25	UG/L
RSNW06	RSNW06_0508	16-May-08	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.018	0.25	UG/L
RSNW06	RSNW06_0508	16-May-08	SW8330	METHOD	2-NITROTOLUENE	0	U	0.017	0.25	UG/L
RSNW06	RSNW06_0508	16-May-08	SW8330	METHOD	3-NITROTOLUENE	0	U	0.017	0.25	UG/L
RSNW06	RSNW06_0508	16-May-08	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.022	0.25	UG/L
RSNW06	RSNW06_0508	16-May-08	SW8330	METHOD	4-NITROTOLUENE	0	U	0.026	0.25	UG/L
RSNW06	RSNW06_0508	16-May-08	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.017	0.25	UG/L
RSNW06	RSNW06_0508	16-May-08	SW8330	METHOD	NITROBENZENE	0	U	0.04	0.25	UG/L
RSNW06	RSNW06_0508	16-May-08	SW8330	METHOD	NITROGLYCERIN	0	U	0.94	5	UG/L
RSNW06	RSNW06_0508	16-May-08	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.018	0.25	UG/L
RSNW06	RSNW06_0508	16-May-08	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	54	54	UG/L
RSNW06	RSNW06_0508	16-May-08	SW8330	METHOD	PICRIC ACID	0	U	0.014	0.25	UG/L
RSNW06	RSNW06_0508	16-May-08	SW8330	METHOD	TETRYL	0	U	0.04	0.25	UG/L
XX956	24213	14-Jun-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
XX956	24742	03-Nov-05	CL200.7	TOTAL	ALUMINUM	0	U	65.3	65.3	UG/L
XX956	24742	03-Nov-05	CL200.7	TOTAL	ARSENIC	0	U	4.7	4.7	UG/L
XX956	24742	03-Nov-05	CL200.7	TOTAL	BARIUM	0	U	6.8	6.8	UG/L
XX956	24742	03-Nov-05	CL200.7	TOTAL	BERYLLIUM	0	U	1.2	1.2	UG/L
XX956	24742	03-Nov-05	CL200.7	TOTAL	BORON	0	U	10.5	10.5	UG/L
XX956	24742	03-Nov-05	CL200.7	TOTAL	CADMIUM	0	U	0.8	0.8	UG/L
XX956	24742	03-Nov-05	CL200.7	TOTAL	CALCIUM	1740	J	300	300	UG/L
XX956	24742	03-Nov-05	CL200.7	TOTAL	CHROMIUM, TOTAL	0	U	0.9	0.9	UG/L
XX956	24742	03-Nov-05	CL200.7	TOTAL	COBALT	0	U	2.5	2.5	UG/L
XX956	24742	03-Nov-05	CL200.7	TOTAL	COPPER	0	U	2	2	UG/L
XX956	24742	03-Nov-05	CL200.7	TOTAL	IRON	0	U	43.8	43.8	UG/L
XX956	24742	03-Nov-05	CL200.7	TOTAL	LEAD	0	U	2.2	2.2	UG/L
XX956	24742	03-Nov-05	CL200.7	TOTAL	MAGNESIUM	0	U	406	1140	UG/L
XX956	24742	03-Nov-05	CL200.7	TOTAL	MANGANESE	0	U	1	1	UG/L
XX956	24742	03-Nov-05	CL200.7	TOTAL	MOLYBDENUM	0	U	4	4	UG/L
XX956	24742	03-Nov-05	CL200.7	TOTAL	NICKEL	0	U	3.1	3.1	UG/L
XX956	24742	03-Nov-05	CL200.7	TOTAL	POTASSIUM	964	J	692	692	UG/L
XX956	24742	03-Nov-05	CL200.7	TOTAL	SELENIUM	0	U	4.9	4.9	UG/L
XX956	24742	03-Nov-05	CL200.7	TOTAL	SILVER	0	U	1.9	1.9	UG/L
XX956	24742	03-Nov-05	CL200.7	TOTAL	SODIUM	5910		638	638	UG/L
XX956	24742	03-Nov-05	CL200.7	TOTAL	VANADIUM	0	U	2.3	2.3	UG/L
XX956	24742	03-Nov-05	CL200.7	TOTAL	ZINC	0	U	4.4	4.4	UG/L
XX956	24742	03-Nov-05	CL245.1	TOTAL	MERCURY	0	U	0.1	0.1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	1,1,1-TRICHLOROETHANE	0	U	0.14	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	1,1,2,2-TETRACHLOROETHANE	0	U	0.18	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	1,1,2-TRICHLOROETHANE	0	U	0.12	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	1,1-DICHLOROETHANE	0	U	0.22	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	1,1-DICHLOROETHENE	0	U	0.35	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	1,2,4-TRICHLOROBENZENE	0	U	0.51	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	1,2-DIBROMO-3-CHLOROPROPANE	0	U	0.38	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0	U	0.24	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	1,2-DICHLOROBENZENE	0	U	0.24	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	1,2-DICHLOROETHANE	0	U	0.12	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	1,2-DICHLOROPROPANE	0	U	0.26	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	1,3-DICHLOROBENZENE	0	U	0.25	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	1,4-DICHLOROBENZENE	0	U	0.32	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	2-CHLOROETHYL VINYL ETHER	0	U	0.0631	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	2-HEXANONE	0	U	0.67	5	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	ACETONE	0	UJ	0.79	5	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	BENZENE	0	U	0.092	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	BROMOCHLOROMETHANE	0	U	0.2	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	BROMODICHLOROMETHANE	0	U	0.21	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	BROMOFORM	0	U	0.28	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	BROMOMETHANE	0	U	0.51	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	CARBON DISULFIDE	0	U	0.21	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	CARBON TETRACHLORIDE	0	U	0.27	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	CHLOROBENZENE	0	U	0.21	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	CHLOROETHANE	0	UJ	0.81	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	CHLOROFORM	1		0.16	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	CHLOROMETHANE	0	U	0.48	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	cis-1,2-DICHLOROETHYLENE	0	U	0.15	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	cis-1,3-DICHLOROPROPENE	0	U	0.13	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	DIBROMOCHLOROMETHANE	0	U	0.26	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	DIBROMOMETHANE	0	U	0.0633	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	ETHYLBENZENE	0	U	0.089	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	METHYL ETHYL KETONE (2-BUTANONE)	0	U	1.3	5	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0	U	0.49	5	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	METHYLENE CHLORIDE	0	U	0.21	2	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	STYRENE	0	U	0.13	1	UG/L

Table A-7
Northwest Corner Analytical Results Table
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
XX956	24742	03-Nov-05	CVOL	METHOD	tert-BUTYL METHYL ETHER	0	U	0.0448	0.5	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	TETRACHLOROETHYLENE(PCE)	0	U	0.28	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	TOLUENE	0	U	0.17	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	trans-1,2-DICHLOROETHENE	0	U	0.11	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	trans-1,3-DICHLOROPROPENE	0	U	0.12	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	TRICHLOROETHYLENE (TCE)	0	U	0.21	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	VINYL ACETATE	0	U	0.174	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	VINYL CHLORIDE	0	U	0.22	1	UG/L
XX956	24742	03-Nov-05	CVOL	METHOD	XYLENES, TOTAL	0	U	0.5	1	UG/L
XX956	24742	03-Nov-05	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L
XX956	24742	03-Nov-05	SW6020	TOTAL	ANTIMONY	0	U	0.3	0.3	UG/L
XX956	24742	03-Nov-05	SW6020	TOTAL	THALLIUM	0	U	0.1	0.1	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	1,2,4-TRICHLOROBENZENE	0	U	0.227	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	1,2-DICHLOROBENZENE	0	U	0.245	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	1,3-DICHLOROBENZENE	0	U	0.243	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	1,4-DICHLOROBENZENE	0	U	0.294	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	2,2'-OXYBIS(1-CHLORO)PROPANE	0	U	0.636	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	2,4,5-TRICHLOROPHENOL	0	U	1.21	13	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	2,4,6-TRICHLOROPHENOL	0	U	1.15	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	2,4-DICHLOROPHENOL	0	U	0.662	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	2,4-DIMETHYLPHENOL	0	U	0.753	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	2,4-DINITROPHENOL	0	UJ	1.32	13	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	2,4-DINITROTOLUENE	0	U	0.704	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	2,6-DINITROTOLUENE	0	U	0.527	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	2-CHLOROBENZALDEHYDE	0	UJ	0.678	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	2-CHLOROBENZOIC ACID		R	18.8	25	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	2-CHLORONAPHTHALENE	0	U	0.248	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	2-CHLOROPHENOL	0	U	0.64	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	2-METHYL-3-NITROANILINE	0	UJ	1.33	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	2-METHYLNAPHTHALENE	0	UJ	0.276	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	2-METHYLPHENOL (o-CRESOL)	0	U	0.752	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	2-NITROANILINE	0	U	1.18	13	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	2-NITRODIPHENYLAMINE	0	UJ	0.52	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	2-NITROPHENOL	0	U	0.802	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	3,3'-DICHLOROBENZIDINE	0	U	1.91	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	3,5-DINITROANILINE	0	UJ	0.513	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	3-CHLOROBENZALDEHYDE	0	UJ	0.659	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	3-NITROANILINE	0	U	1.93	13	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	4,6-DINITRO-2-METHYLPHENOL	0	UJ	1.48	13	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	4-BROMOPHENYL PHENYL ETHER	0	U	0.319	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	4-CHLORO-3-METHYLPHENOL	0	U	0.823	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	4-CHLOROANILINE	0	U	2.33	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	4-CHLOROBENZALDEHYDE	0	UJ	0.588	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	4-CHLOROPHENYL PHENYL ETHER	0	U	0.333	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	4-METHYLPHENOL (p-CRESOL)	0	U	1.35	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	4-NITROANILINE	0	U	1.65	13	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	4-NITROPHENOL	0	U	0.854	13	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	5-NITRO-o-TOLUIDINE	0	UJ	1.19	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	ACENAPHTHENE	0	U	0.347	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	ACENAPHTHYLENE	0	U	0.506	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	ANILINE (PHENYLAMINE, AMINOBENZENE)	0	U	0.388	13	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	ANTHRACENE	0	U	0.646	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	BENZO(a)ANTHRACENE	0	U	0.703	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	BENZO(a)PYRENE	0	U	0.674	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	BENZO(b)FLUORANTHENE	0	U	1.04	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	BENZO(g,h,i)PERYLENE	0	U	0.938	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	BENZO(k)FLUORANTHENE	0	U	1.07	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	BENZOIC ACID		R	1.45	13	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	BENZYL ALCOHOL	0	U	0.563	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	BENZYL BUTYL PHTHALATE	0	U	1.28	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	bis(2-CHLOROETHOXY) METHANE	0	U	0.608	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	0	U	0.671	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	bis(2-ETHYLHEXYL) PHTHALATE	0	U	0.883	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	CARBAZOLE	0	U	0.803	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	CHRYSENE	0	U	0.723	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	DIBENZ(a,h)ANTHRACENE	0	U	0.84	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	DIBENZOFURAN	0	U	0.589	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	DIETHYL PHTHALATE	0	U	0.508	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	DIMETHYL PHTHALATE	0	U	0.574	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	DI-n-BUTYL PHTHALATE	0	U	0.65	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	DI-n-OCTYLPHTHALATE	0	U	0.708	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	DIPROPYL ADIPATE	0	UJ	0.348	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	FLUORANTHENE	0	U	1.02	5	UG/L

Table A-7
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Location	Sample ID	Date	Test	METHOD	Analyte	Result	Qualifier[1]	MDL	RL	UNITS
XX956	24742	03-Nov-05	SW8270C	SW3510	FLUORENE	0	U	0.472	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	HEXACHLOROBENZENE	0	U	0.425	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	HEXACHLOROBUTADIENE	0	U	0.214	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	HEXACHLOROCYCLOPENTADIENE	0	UJ	0.252	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	HEXACHLOROETHANE	0	U	0.231	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	INDENO(1,2,3-c,d)PYRENE	0	U	0.797	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	ISOPHORONE	0	U	0.491	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	N,N'-DIETHYLCARBANILIDE	0	UJ	0.448	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	NAPHTHALENE	0	U	0.329	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	NITROBENZENE	0	U	0.646	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	N-NITROSODIMETHYLAMINE	0	U	0.46	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	N-NITROSODI-n-PROPYLAMINE	0	U	0.701	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	N-NITROSODIPHENYLAMINE	0	U	0.544	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	PENTACHLOROPHENOL	0	U	1.79	13	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	PHENANTHRENE	0	U	0.719	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	PHENOL	0	U	0.27	5	UG/L
XX956	24742	03-Nov-05	SW8270C	SW3510	PYRENE	0	U	1.62	5	UG/L
XX956	24742	03-Nov-05	SW8330	METHOD	1,3,5-TRINITROBENZENE	0	U	0.083	0.25	UG/L
XX956	24742	03-Nov-05	SW8330	METHOD	1,3-DINITROBENZENE	0	U	0.026	0.25	UG/L
XX956	24742	03-Nov-05	SW8330	METHOD	2,4,6-TRINITROTOLUENE	0	U	0.026	0.25	UG/L
XX956	24742	03-Nov-05	SW8330	METHOD	2,4-DIAMINO-6-NITROTOLUENE	0	U	0.034	0.25	UG/L
XX956	24742	03-Nov-05	SW8330	METHOD	2,4-DINITROTOLUENE	0	U	0.02	0.25	UG/L
XX956	24742	03-Nov-05	SW8330	METHOD	2,6-DIAMINO-4-NITROTOLUENE	0	U	0.027	0.5	UG/L
XX956	24742	03-Nov-05	SW8330	METHOD	2,6-DINITROTOLUENE	0	U	0.045	0.25	UG/L
XX956	24742	03-Nov-05	SW8330	METHOD	2-AMINO-4,6-DINITROTOLUENE	0	U	0.021	0.25	UG/L
XX956	24742	03-Nov-05	SW8330	METHOD	2-NITROTOLUENE	0	U	0.037	0.25	UG/L
XX956	24742	03-Nov-05	SW8330	METHOD	3-NITROTOLUENE	0	U	0.053	0.25	UG/L
XX956	24742	03-Nov-05	SW8330	METHOD	4-AMINO-2,6-DINITROTOLUENE	0	U	0.029	0.25	UG/L
XX956	24742	03-Nov-05	SW8330	METHOD	4-NITROTOLUENE	0	U	0.053	0.25	UG/L
XX956	24742	03-Nov-05	SW8330	METHOD	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	0	U	0.094	0.25	UG/L
XX956	24742	03-Nov-05	SW8330	METHOD	NITROBENZENE	0	U	0.037	0.25	UG/L
XX956	24742	03-Nov-05	SW8330	METHOD	NITROGLYCERIN	0	U	1.3	5	UG/L
XX956	24742	03-Nov-05	SW8330	METHOD	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	0	U	0.063	0.25	UG/L
XX956	24742	03-Nov-05	SW8330	METHOD	PENTAERYTHRITOL TETRANITRATE	0	U	3.1	10	UG/L
XX956	24742	03-Nov-05	SW8330	METHOD	PICRIC ACID	0	U	0.089	0.25	UG/L
XX956	24742	03-Nov-05	SW8330	METHOD	TETRYL	0	U	0.033	0.25	UG/L
XX956	26807	06-Feb-06	E314.0	NONE	PERCHLORATE	0	U	0.35	1	UG/L

Footnotes:

1. Qualifiers: U = compound/element was not detected above this value. J = value is estimated due to limitations found in the data validation. UJ = the compound/element was not detected above this value and the value is estimated due to limitations identified in the data validation. R = data was rejected due to major problems identified in the data validation.

APPENDIX B

AIR DISPERSION MODELING REPORT

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EXECUTIVE SUMMARY

AMEC Earth and Environmental (AMEC) conducted an emissions inventory and air dispersion modeling to assess the potential fate and transport of fireworks debris fallout from eight years of Independence Day fireworks displays in Bourne, Massachusetts (1996 – 2003). This analysis was based on the premise that the majority of smoke particles and fireworks debris generated during these displays are from the explosion of the fireworks burst. The smoke and debris particles generated, depending on their size and mass, drift along a certain distance with the prevailing winds until they settle out of the air onto the ground surface through gravitational settling. Dispersion/deposition modeling of these events yielded an estimate of the spatial extent and relative intensity of particle deposition.

Input parameters for the modeling included the mass and size distribution of the particles, physical characteristics of the emission releases and meteorological data. The relative mass and particle size distributions were generated from literature review and from professional judgment. The US Environmental Protection Agency and the Massachusetts Department of Environmental Protection reviewed the assumed distribution and agreed that it is appropriate. The physical characteristics of the particle emission releases were based on an inventory of fireworks used and available literature. Meteorological data was obtained for the specific dates on which the fireworks were displayed from the National Oceanographic and Atmospheric Administration.

Emissions of fireworks particles were modeled as volume emission sources using the CALPUFF Model. Seven years of fireworks (no meteorological data was available for 1996) was modeled and relative particle deposition patterns were generated. Generally, the model shows that the fireworks particles deposit at a high rate, downwind and within 3500 feet from the launch area. The average wind speed and direction for each year varied slightly, resulting in slightly different areas of particle deposition each year. However, all modeled deposition occurred within the northeast quadrant relative to the launch point. Although, there is some uncertainty inherent in the results of the analysis, the deposition area and pattern modeled for the fireworks debris is consistent with the source area and identified for the Northwest Corner perchlorate groundwater plume.

1.0 INTRODUCTION

AMEC Earth & Environmental (AMEC) conducted a model to simulate deposition of particles due to atmospheric dispersion from the launching and detonation of pyrotechnics during Independence Day celebrations in Bourne, Massachusetts. The objective of the evaluation was to assess probable spatial deposition patterns of detonation debris and smoke particles that may have been generated as the result of eight consecutive years of fireworks displays conducted at the Bourne Regional Technical High School. Figure 1 shows the location of the fireworks launch site.

AMEC conducted the following tasks for this study:

- Compilation and review of historic fireworks information and relevant fireworks literature,
- Estimation of the physical characteristics of fireworks detonation,
- Retrieval and evaluation of the meteorological data for each fireworks display,
- Evaluation of local land use patterns,
- Modeling the atmospheric dispersion and near-field deposition of fireworks debris using the CALPUFF model, and
- Mapping of deposition results.

The remainder of this report provides detailed information on key data inputs, modeling setup, model output, results and conclusions. Section 2.0 provides information on the history of fireworks displays at the Bourne location and on the types of fireworks that may have been used during the displays which form a partial basis for the dispersion/deposition modeling. Section 3.0 describes the meteorology used to assess atmospheric fate and transport and local land use patterns. Section 4.0 discusses the dispersion/deposition modeling. Section 5.0 presents the results and conclusions of the study. Finally, Section 6.0 presents a discussion of uncertainties inherent in the evaluation.

2.0 FIREWORKS HISTORY AND EMISSION CHARACTERISTICS

2.1 Fireworks History

As shown in Figure 1, the town of Bourne used a field east southeast of the Bourne Regional Technical High School as a firing location for their 1996 - 2003 Independence Day fireworks events. The dates and times shown in Table 1 were used to identify appropriate meteorological data for the atmospheric transport/deposition modeling. The town of Bourne Fire Department provided the dates in Table 1; the times and durations are estimates. This data was used to identify appropriate meteorological data for the atmospheric transport/deposition modeling. Meteorological data was not available for July 1, 1996.

Table 1. Summary of Fireworks Display Dates and Times

Year	Date	Approximate Time (hrs)	Approximate Duration (hrs)
1996	July 1	2100	1
1997	July 6	2100	1
1998	July 4	2100	1
1999	July 4	2100	1
2000	July 4	2100	1
2001	July 7	2100	1
2002	July 6	2100	1
2003	July 5	2100	1

2.2 Fireworks Emissions Characteristics

Four primary parameters regarding the fireworks emission characteristics are required for modeling: burst height, initial burst diameter, particle size distribution, and particle mass distribution. Burst height and initial burst diameter data were generated using information about the types of fireworks used during the Independence Day celebrations. Input on particle size and particle mass distributions were based, in part, on information in published literature. Specific particle size and mass distributions were not available for fireworks, so the published literature data were utilized with professional judgment.

The height of fireworks detonation and initial burst diameter are important inputs for the dispersion model. These parameters tell the model at what elevation and location the mass of debris will begin descent and downwind transport. The firework shell type and size dictate the height the detonation will occur and the size of the initial burst. Information on the specific types of pyrotechnics proposed for use in 2002 was obtained from the Bourne Fire Department. The 2002 Pyrotechnics Display Proposal itemizes the types of fireworks proposed for the 2002 fireworks event. For this analysis, it is assumed that all years used similar type and numbers of fireworks as those proposed for 2002.

To simplify the analysis, the types of fireworks proposed in 2002 were categorized by nominal shell diameter (1 through 6, 8, and 10 inches). Each shell size is modeled as an individual volume source of particles to the atmosphere. There are eight different shell sizes and therefore eight emission sources, each having a specific initial burst height and initial burst diameter. Burst heights and burst diameters, both of which are a function of the shell size, were obtained from the pyrotechnic manufacturer[1]. Table 2 summarizes the fireworks information from the 2002 proposal and calculations to estimate burst height and initial diameter.

When the pyrotechnics detonate and burst, most of the combustible material is consumed. However, unburned material such as paper wrapper, incompletely combusted report composition or burst charge, and metal particles are emitted from the burst. To determine the sizes of the particles generated from fireworks displays, a search of the peer-reviewed literature and government documents was conducted.

Published papers typically evaluated samples of fireworks particles to estimate potential inhalation exposure. As a result, the samples used in those studies were limited to the collection of respirable dust (i.e., PM-10 and/or PM-2.5[2]). The data from some studies (Perry, 1999; Liu et al., 1997; and Wehner et al, 2000) utilized sampling stations several kilometers downwind of the launch sites, which are beyond the point where most if not all large particles would have been deposited.

Dutcher et al. (1999), conducted a study of airborne particles generated during an indoor pyrotechnics display in the Houston Astrodome, which limits the problem associated with sampling distance. Dutcher et al. used a dichotomous air sampler to collect a coarse (2.5 to 15 µm) fraction and a fine (<2.5 µm) fraction of particles resulting from the fireworks display. Dutcher et al. found that 44.8 % of the total mass was coarse particles and 55.2 percent was made up of fine particles.

The USEPA has compiled emission factors for a variety of military projectiles, canisters and charges as well as for signals and simulators in AP-42. Included in these data are emission factors for total suspended particles (TSP) and PM-10. Generally, TSP sampling captures particles as large as 50 microns in diameter and includes the PM-10 fraction.

USEPA's emission factors for the ordinance detonation were determined with air sampling data collected inside a 50 ft diameter rigid plastic hemispherical bang box. The AP-42 data shows that the both TSP and PM-10 were found in the smoke generated by the test items and that most (91.5%) of the TSP is present as PM-10 while the remainder (8.5%) is present as particles with aerodynamic diameters between 10 and 50 µm.

The peer-reviewed literature on fireworks focused primarily on respirable particles. As a result, larger particles were not evaluated. However, visual reconnaissance of the area downwind of the launch provided evidence of larger, paper particles, which denmonstrates that larger particles above the 50 µm range do occur in addition to the particles below 50 µm.

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[1] http://www.atlaspyro.com/howhighdotheygo.asp, http://www.elitepyrotechnics.com/fireworks6.asp, and http://www.library.thinkquest.org/15384/text/physics/physics.htm

[2] PM-10 is particulate matter with an aerodynamic diameter of 10 microns or less. PM-2.5 is particulate matter with an aerodynamic diameter of 2.5 microns or less

The data from the literature in combination with the ground survey reconnaissance information suggests that fireworks emit particles that range from submicron particles to very large particles, perhaps in the millimeter range. For purposes of this modeling analysis the particle size distribution was assumed to range from 2.5 μm to 500 μm with 50% of the total mass of emitted particles residing in the 2.5 μm to 50 μm range and 50% residing in the 50 μm to 500 μm range. Based on the USEPA findings noted above, 8.5% of the particles in the 2.5 μm to 50 μm range were defined as being 50 μm in diameter. The remaining 91.5% of particles in the 2.5 μm to 50 μm were split between a 2.5 μm size (44.8%) and a 15 μm size (55.2%). The 50 to 500 μm range was defined with 5 particle sizes (100 μm, 200 μm, 300 μm, 400 μm, and 500 μm), each containing 10% of the total particle mass. Table 3 summarizes the particle size distribution and mass distribution used to develop emission rates for modeling.

Actual particle emission rates are not known because the mass of the particles remaining after the fireworks burst is not known., therefore emission rates were estimated for each emission source (i.e., for each shell diameter), assuming that the mass of the emission is proportional to the mass of each shell. This estimate results in a relative rate that is dependent on the shell mass. Furthermore, the relative emissions for each shell diameter must be broken down into its component particle sizes as defined above. The final results of this analysis are a set of particle-size specific relative emission rates for each shell size. Table 4 summarizes the results of the emission rate calculations.

In addition, to the particle size fractions and emission rates shown in Tables 3 and 4, a sensitivity analysis was conducted to estimate the model's sensitivity to particle size. As a result three scenarios were modeled as summarized below:

1. Base Case – 50% of the particle mass resides in the 2.5 μm to 50 μm range and 50% residing in the 50 μm to 500 μm range (data shown in Tables 3 and 4).
2. Sensitivity Case 1 - 70% of the particle mass resides in the 2.5 μm to 50 μm range and 30% residing in the 50 μm to 500 μm range.
3. Sensitivity Case 2 - 30% of the particle mass resides in the 2.5 μm to 50 μm range and 70% residing in the 50 μm to 500 μm range.

3.0 METEOROLOGICAL AND LAND USE DATA

3.1 Meteorological Data

There were two sources of meteorological data identified for use as model input parameters, data from the Otis Air Guard Station and data modeled using the National Oceanographic and Atmospheric Administration Air Resources Laboratory's (NOAA ARL's) Realtime Environmental Applications and Display sYstem (READY).

Meteorological data were collected at the Otis Air Guard Station, located approximately seven miles south of the fireworks launch area. Although available, the data were not complete for all of the years evaluated. Data for 1997-1999 were limited to daily average values, which may not accurately represent the time of day which is being modeled; no data existed for 1996.

Additional meteorological data for 1997 – 2003 were generated using the NOAA READY model; data could not be generated for 1996. The NOAA READY model can retrospectively predict the weather conditions that would have occurred at a given location and time. The model uses information recorded from weather stations throughout the area and forecasts the conditions that are likely to have occurred for the specified location and time period. Data from the Otis station compared favorably with the NOAA READY data.

The NOAA READY database contains the following data used for model input:

- Wind speed,
- Wind direction,
- Temperature, and
- Opaque cloud cover.

Using these data, the atmospheric stability class was estimated for each event using the procedures described in Turner (1970). For all scenarios a stability class D was used. A summary of meteorological conditions for each fireworks event is provided in Table 5.

3.2 Land Use Data

Land use within a three kilometers radius of the fireworks launch area was determined using the Massachusetts Geographical Information System (MassGIS) land use coverages. The three kilometer circle was broken into 16 pie slices, each representing 22.5°. The percent of each land use within the pie slices was determined, and a surface roughness length, Bowen ratio, and noon-time albedo was ascribed to each land use. Using procedures specified in the USEPA PCRAMMET User's Guide (EPA, 1995), surface area weighted surface roughness lengths, Bowen ratios and noon-time albedos were computed for each pie slice. A summary of the local land use and other surface feature is provided in Table 6.

Surface roughness length, Bowen ratio and Noon-time albedo data were used to develop other input parameters including: threshold friction velocity, Monin-Obukhov length, and mechanical mixing heights, also consistent with procedures specified in the PCRAMMET User's Guide. These values are used as input to the meteorological file used with the CALPUFF Model. A meteorological input file was developed for each year (1997-2002) using the information discussed above.

4.0 DISPERSION/DEPOSITION MODELING

The CALPUFF Model (ver. 5.7) was used to estimate the near field deposition of particles generated during the fireworks displays. The emissions data and meteorological data discussed in the preceding sections were used as input to the model. The model computes relative deposition rates at pre-defined receptor locations. The receptor grid was designated as 2450m x 2450m grid with receptors spaced every 50 meters. Figure 2 illustrates the receptor grid used for this analysis.

The CALPUFF model was set up to process five hours worth of meteorological data, three hours prior to the fireworks display, the hour of the fireworks display, and an hour following the fireworks display. Relative deposition rates were computed for the hour during which the pyrotechnics were launched. Processing of the meteorological data five hours prior to the event was suggested by USEPA technical experts to allow for equilibration of the model prior to the simulation of the fireworks display.

The output from CALPUFF was processed using the CALPOST post processing software. Output was generated for each particle size class and receptor location. Prior to further data processing, the total relative deposition rate for each receptor was computed by summing the relative deposition rates of all particle size classes for each receptor. The total relative deposition data for each receptor was then processed using Surfer (ver. 8). Relative deposition rate isocontours were developed for each year and for all years combined.

5.0 RESULTS AND CONCLUSIONS

Figures 3 through 9 illustrate the relative particle deposition rate isocontours for the years 1997 through 2003, respectively. Figure 10 illustrates the relative deposition rate isocontours for the combined years. Figures 3 through 10 illustrate the relative rates of deposition in units of $\mu g/m^2$-sec per g/s. For example, Figure 3 suggests that in 1997 particles from the fireworks deposited north-northwest of the launch area; with a greater intensity of particles depositing close to the launch area (~10,000-12,000 $\mu g/m^2$-sec per g/s) and at a lower intensity farther downwind of the launch area (~500 to 2500 $\mu g/m^2$-sec per g/s).

These figures show that the deposition footprint varies by year, primarily due to the differences in wind direction. All of the deposition footprints reside primarily within the northeastern quadrant, with a majority of the mass falling in the north to northeasterly direction (i.e., between 0 and 45 degrees north).

The relative deposition rate isocontours also show that the area having the maximum relative depositional rate is within 1000 feet of the launch point and expands and contracts depending on the strength of the wind. In addition to the high relative deposition area close to the launch area, a second area of high relative deposition is also noted within 2500-3500 meters downwind of the launch area. The secondary high may be associated with the deposition of particles from the 6 and 8 inch diameter shells, which combined represent 40% of the mass of particles modeled. In addition, the height of burst for these larger shell sizes (183 m and 244 m, respectively) would dictate that more time (i.e., longer downwind transport) would be required for the particles from these shells to settle to the ground.

Figures 3 though 10 also present the location of the perchlorate groundwater plume contoured based on current data. Figure 10 clearly illustrates the large relative particle deposition rates that occur within the area of the perchlorate groundwater plume. These figures also show that the areas outside the plume area are either not expected to be affected by particle distribution at all (northwest, west, south and southeast of the launch area) or are in areas where the relative deposition rates are lower than those found closer to the launch area and in the groundwater plume area.

6.0 MODELING SENSITIVITY AND UNCERTAINTY

In any modeling, there are inherent uncertainties that can contribute to errors in the final results. This section of the report summarizes the assumptions and uncertainties in this analysis and provides a qualitative assessment of how the results would be affected if actual conditions very from the assumed conditions.

1. *Fireworks display content* - This analysis was based on a list of fireworks proposed for the 2002 event. This inventory was considered to be constant from year to year. Had the inventory changed significantly year to year, the mass distribution of the particles could have shifted to a smaller or larger shell category, which would cause the isocontours to be closer to the launch point (smaller shells) and farther away (larger shells).

2. *Fireworks emission characteristics* – The physical characteristics of the fireworks (burst height, burst diameter, etc) were estimated for this report. If the actual burst heights were significantly higher or the burst diameters significantly larger than those assumed, deposition is likely to be predicted over a larger area. Conversely, if the assumed burst heights and burst diameters used are too high and large compared to actual, the model may have under predicted the near field deposition rates.

3. *Particle size distribution* - The particle size distribution used for this analysis was compiled from information provided in several different published papers or reports. None of the reference material reviewed provided a complete dataset for a single fireworks event. As a result, data from different sources were used to develop the particle size distribution.

   To evaluate the sensitivity to particle size, two additional model runs were conducted using meteorological data from 1999 but different particle size distributions. The first sensitivity run assumed that 70% of the particle mass resides in the 2.5 µm to 50 µm range and 30% residing in the 50 µm to 500 µm range (70/30 run). The second sensitivity run assumed that 30% of the particle mass resides in the 2.5 µm to 50 µm range and 70% residing in the 50 µm to 500 µm range (30/70 run). Figure 11 shows the results of the 70/30 modeling run and Figure 12 shows the results of the 30/70 modeling run. As anticipated, the relative intensity of the deposition rates decreases and shifts farther away from the launch area in the 70/30 run. This is caused by a larger percentage of the particle mass being categorized as < 50 µm, so it takes a longer time for the material to settle to the ground and with the increased in time comes additional downwind transport and dispersion. In contrast, the 30/70 run shows that the relative deposition intensity increases closer to the launch area. This occurs because the larger particles, now a greater percent of the distribution, deposit closer to the point of origin and undergo very little downwind transport and/or dispersion.

   This sensitivity analysis shows that the model is somewhat sensitive to particle size. However, even if different particle size fractions were used in the model, particles would still be expected to deposit in approximately the same areas, but at lower or higher rates of deposition.

4. *Particle mass distribution* –It was assumed that the mass of particle produced is proportional to the unfired mass of the firework. If the mass of particles is not linearly proportional to the mass of unfired firework, the results of modeling may be different (high or lower).

5. *Meteorology* – The modeling assumed that the wind speed and direction were constant for the entire hour over which the fireworks display occurred. It is likely that both of these metrics were variable for the modeling time frame. The impact of varying wind speed and direction may not have a significant impact unless the wind direction varied significantly (i.e., >45°) from that used here. Although this would affect the result of the modeling, the overall impact on the results is not expected to be significant.

As illustrated above, there are uncertainties that could have a significant impact on the overall results of this analysis. However, taken together with the on-site visual reconnaissance which located large particles downwind of the launch area (fireworks debris) and the result of the soils sampling data which demonstrated the presence of perchlorate in soil immediately after the fireworks, the modeling suggests that the fireworks debris fallout is within the footprint of the source area of the perchlorate groundwater plume at the Northwest Corner.

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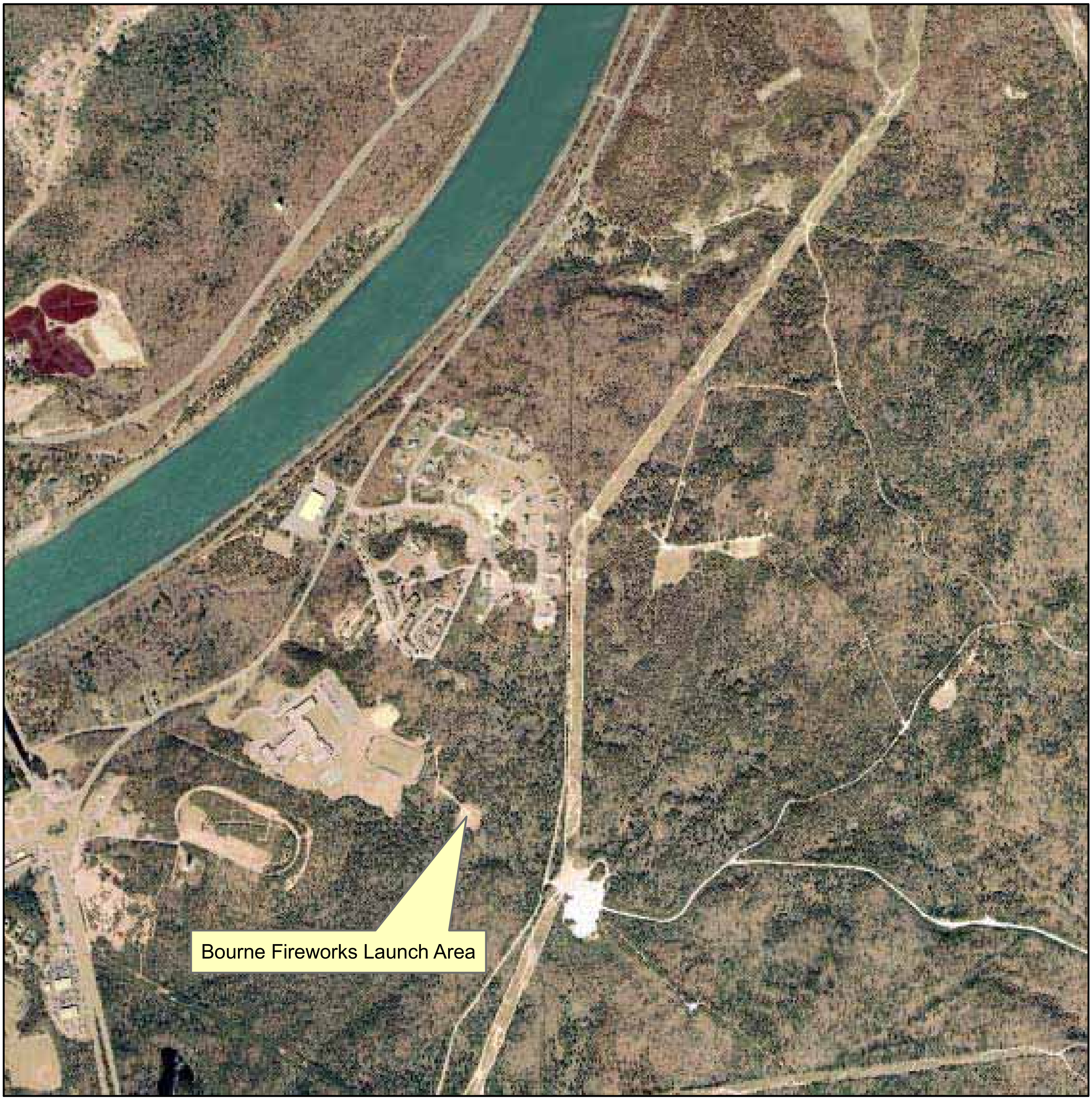
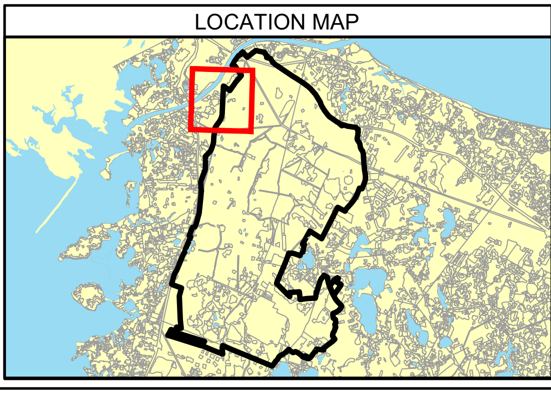
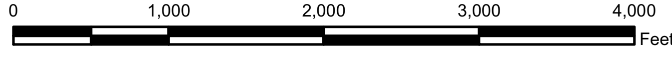


LOCATION MAP





NOTES & SOURCES
Base Data from US Geological
Survey 7 1/2 minute
Topgraphic Maps Source: MassGIS
Aerial Photos: Color Digital Orthophotos
Date Flown 2001. Source: MassGIS

DRAFT
AMEC Earth & Environmental, Inc.
Westford, Massachusetts

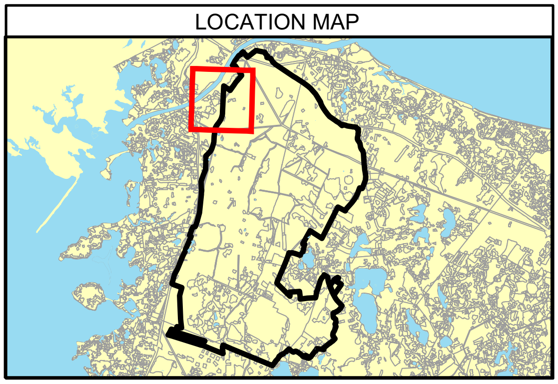
Location of Bourne Fireworks Launch Area

FIGURE
1

J:/mmr/ReportFigs2005/N387/N387_Perch.pdf
G:/MMR_COE/work2005/N387/N387_Perch.mxd
February 18, 2005 DWN: AP DNB JBB CHKD:

Impact Area
Groundwater Study Program

LOCATION MAP



LEGEND

CALPUFF Receptor Locations

0 1,000
Feet

NOTES & SOURCES
Base Data from US Geological
Survey 7 1/2 minute
Topgraphic Maps Source: MassGIS
Aerial Photos: Color Digital Orthophotos
Date Flown 2001. Source: MassGIS

N

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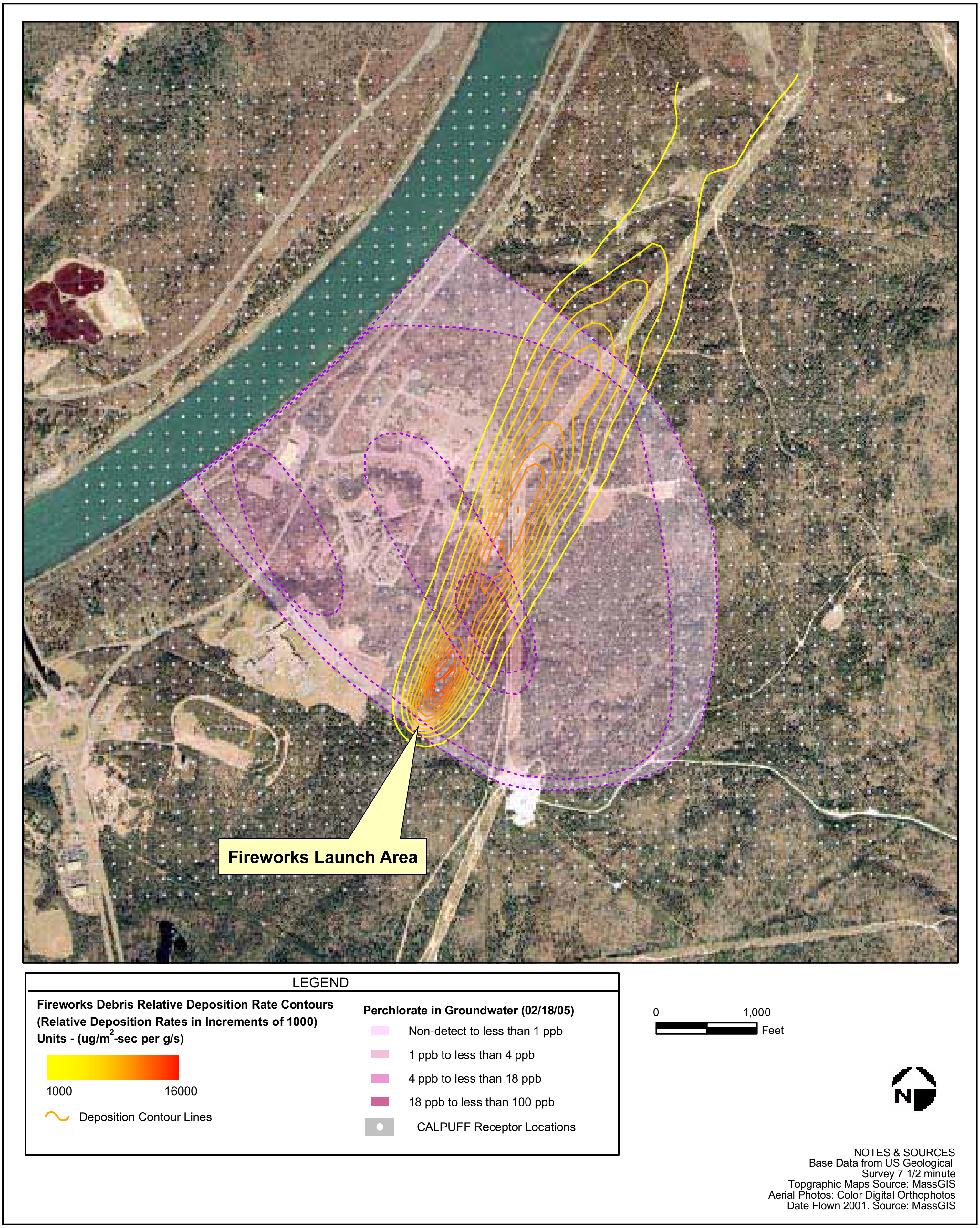
Westford, Massachusetts

CALPUFF Modeling Receptor Grid

FIGURE
2

J:/mmr/ReportFigs2005/N387/N387_Perch.pdf
G:/MMR_COE/work2005/N387/N387_Perch.mxd
February 18, 2005 DWN: AP DNB JBB CHKD:

Impact Area
Groundwater Study Program

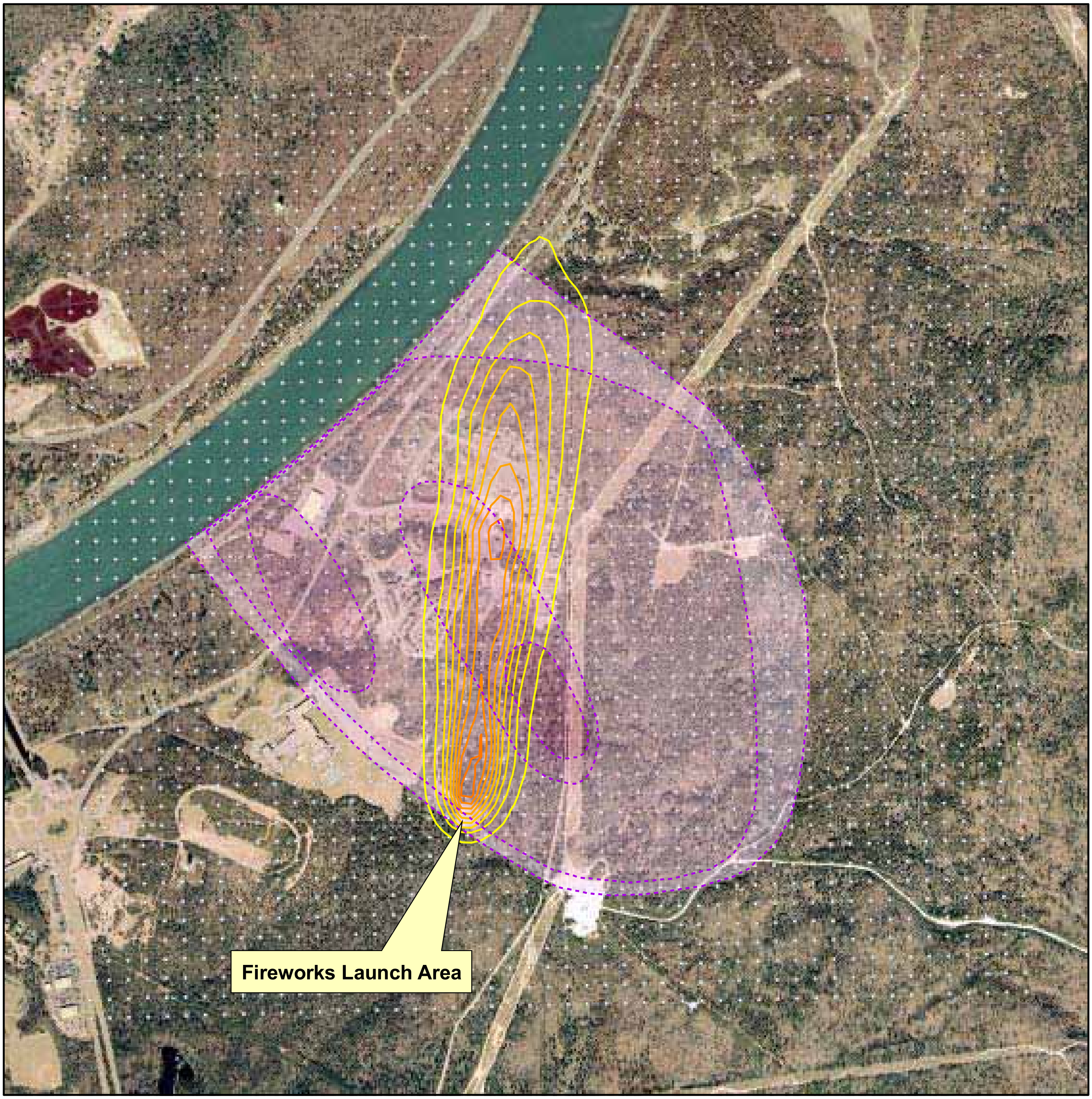


AMEC Earth & Environmental, Inc.
Westford, Massachusetts

Fireworks Debris Relative Deposition Rate Contours - 1997

FIGURE
3

J:/mmr/ReportFigs2005/N387/N387_Perch.pdf
G:/MMR_COE/work2005/N387/N387_Perch.mxd
February 18, 2005 DWN: AP DNB JBB CHKD:
Adapted August 23, 2005 SKN



LEGEND

Fireworks Debris Relative Deposition Rate Contours (Relative Deposition Rates in Increments of 1000) Units - (ug/m^2-sec per g/s)

1000 16000

Deposition Contour Lines

Perchlorate in Groundwater (02/18/05)

- Non-detect to less than 1 ppb
- 1 ppb to less than 4 ppb
- 4 ppb to less than 18 ppb
- 18 ppb to less than 100 ppb
- CALPUFF Receptor Locations

0 1,000 Feet

N

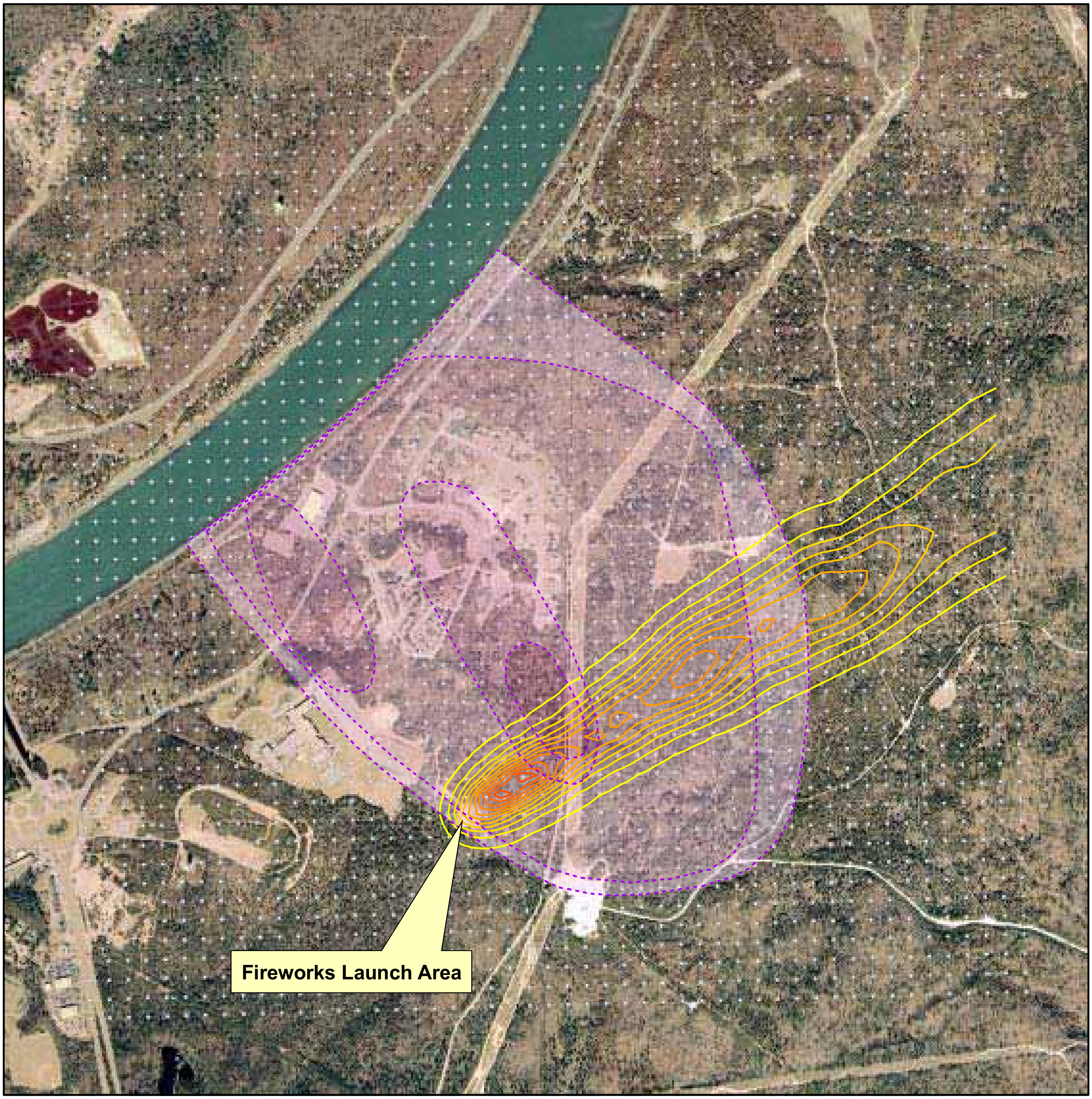
NOTES & SOURCES
Base Data from US Geological Survey 7 1/2 minute Topgraphic Maps Source: MassGIS
Aerial Photos: Color Digital Orthophotos Date Flown 2001. Source: MassGIS

AMEC Earth & Environmental, Inc.
Westford, Massachusetts

Fireworks Debris Relative Deposition Rate Contours - 1998

FIGURE 4

J:/mmr/ReportFigs2005/N387/N387_Perch.pdf
G:/MMR_COE/work2005/N387/N387_Perch.mxd
February 18, 2005 DWN: AP DNB JBB CHKD:
Adapted August 23, 2005 SKN



LEGEND

Fireworks Debris Relative Deposition Rate Contours
(Relative Deposition Rates in Increments of 1000)
Units - (ug/m^2-sec per g/s)

1000 16000

Deposition Contour Lines

Perchlorate in Groundwater (02/18/05)

- Non-detect to less than 1 ppb
- 1 ppb to less than 4 ppb
- 4 ppb to less than 18 ppb
- 18 ppb to less than 100 ppb
- CALPUFF Receptor Locations

0 1,000
Feet

N

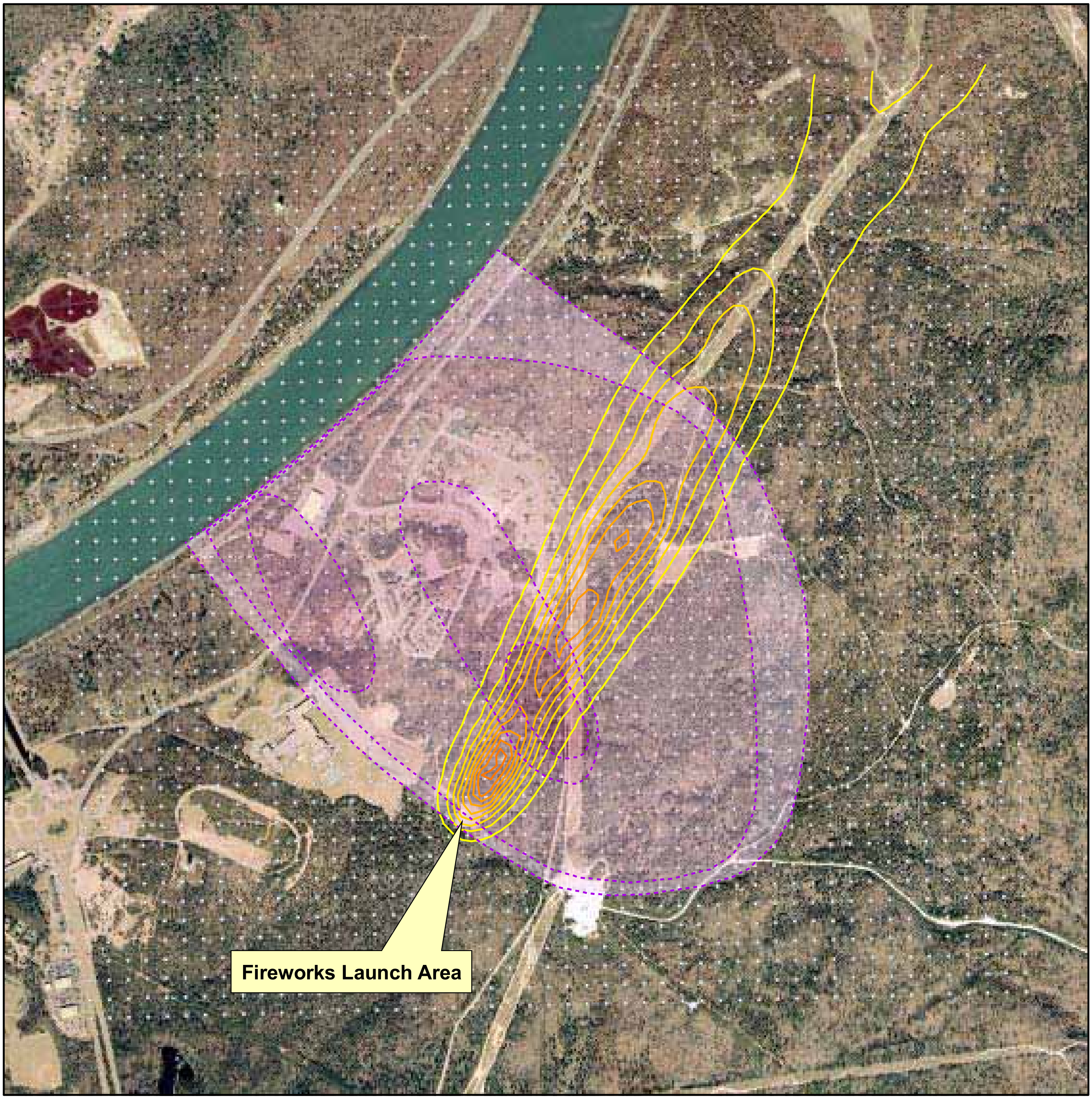
NOTES & SOURCES
Base Data from US Geological
Survey 7 1/2 minute
Topgraphic Maps Source: MassGIS
Aerial Photos: Color Digital Orthophotos
Date Flown 2001. Source: MassGIS

FIGURE
5

AMEC Earth & Environmental, Inc.
Westford, Massachusetts

Fireworks Debris Relative Deposition Rate Contours - 1999

J:/mmr/ReportFigs2005/N387/N387_Perch.pdf
G:/MMR_COE/work2005/N387/N387_Perch.mxd
February 18, 2005 DWN: AP DNB JBB CHKD:
Adapted August 23, 2005 SKN



LEGEND

Fireworks Debris Relative Deposition Rate Contours (Relative Deposition Rates in Increments of 1000) Units - (ug/m^2-sec per g/s)

1000 16000

Deposition Contour Lines

Perchlorate in Groundwater (02/18/05)

- Non-detect to less than 1 ppb
- 1 ppb to less than 4 ppb
- 4 ppb to less than 18 ppb
- 18 ppb to less than 100 ppb
- CALPUFF Receptor Locations

0 1,000 Feet

N

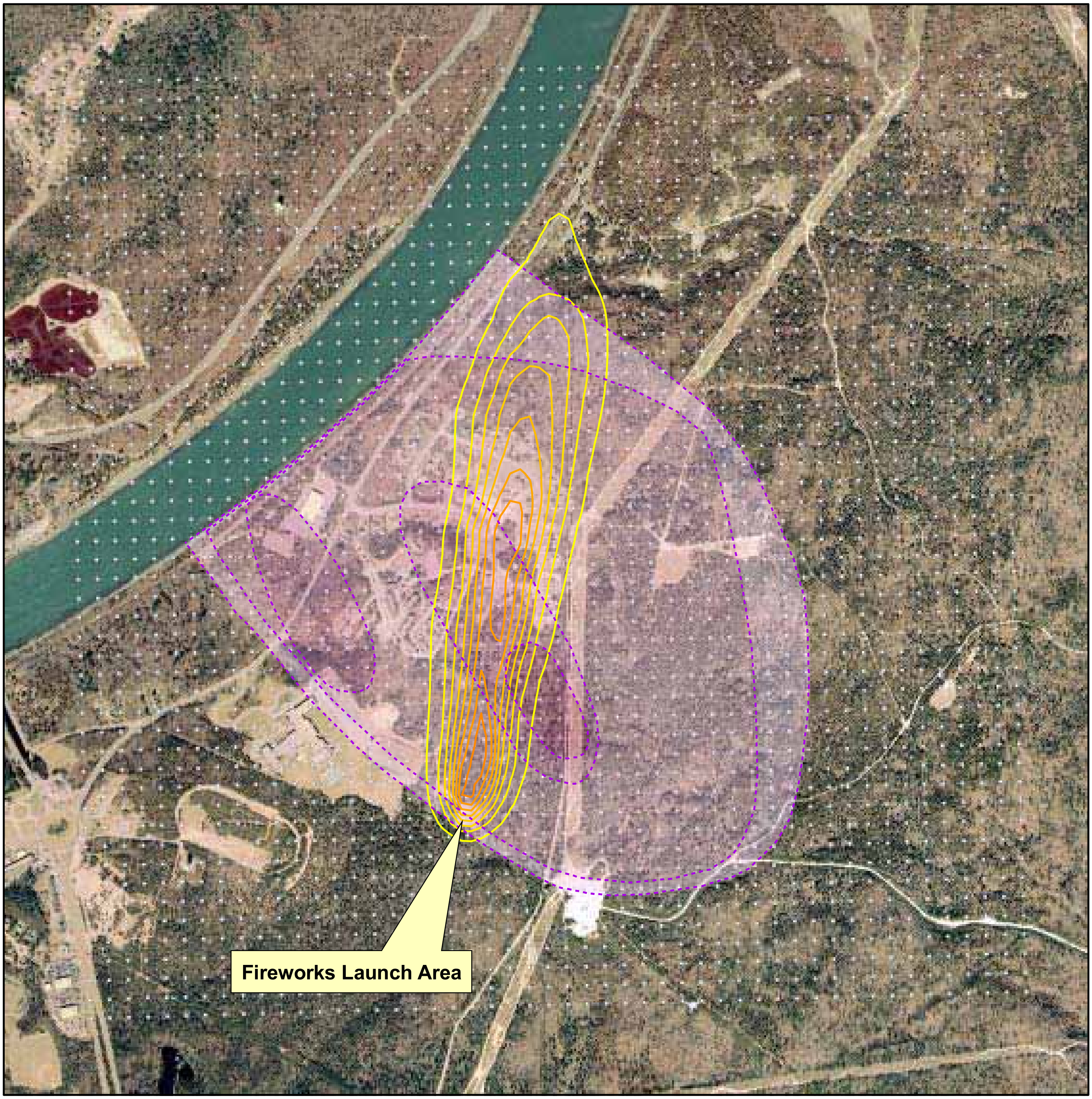
NOTES & SOURCES
Base Data from US Geological Survey 7 1/2 minute
Topgraphic Maps Source: MassGIS
Aerial Photos: Color Digital Orthophotos
Date Flown 2001. Source: MassGIS

FIGURE 6

AMEC Earth & Environmental, Inc.
Westford, Massachusetts

Fireworks Debris Relative Deposition Rate Contours - 2000

J:/mmr/ReportFigs2005/N387/N387_Perch.pdf
G:/MMR_COE/work2005/N387/N387_Perch.mxd
February 18, 2005 DWN: AP DNB JBB CHKD:
Adapted August 23, 2005 SKN



LEGEND

Fireworks Debris Relative Deposition Rate Contours
(Relative Deposition Rates in Increments of 1000)
Units - (ug/m^2-sec per g/s)

1000 16000

Deposition Contour Lines

Perchlorate in Groundwater (02/18/05)

- Non-detect to less than 1 ppb
- 1 ppb to less than 4 ppb
- 4 ppb to less than 18 ppb
- 18 ppb to less than 100 ppb
- CALPUFF Receptor Locations

0 1,000
Feet

N

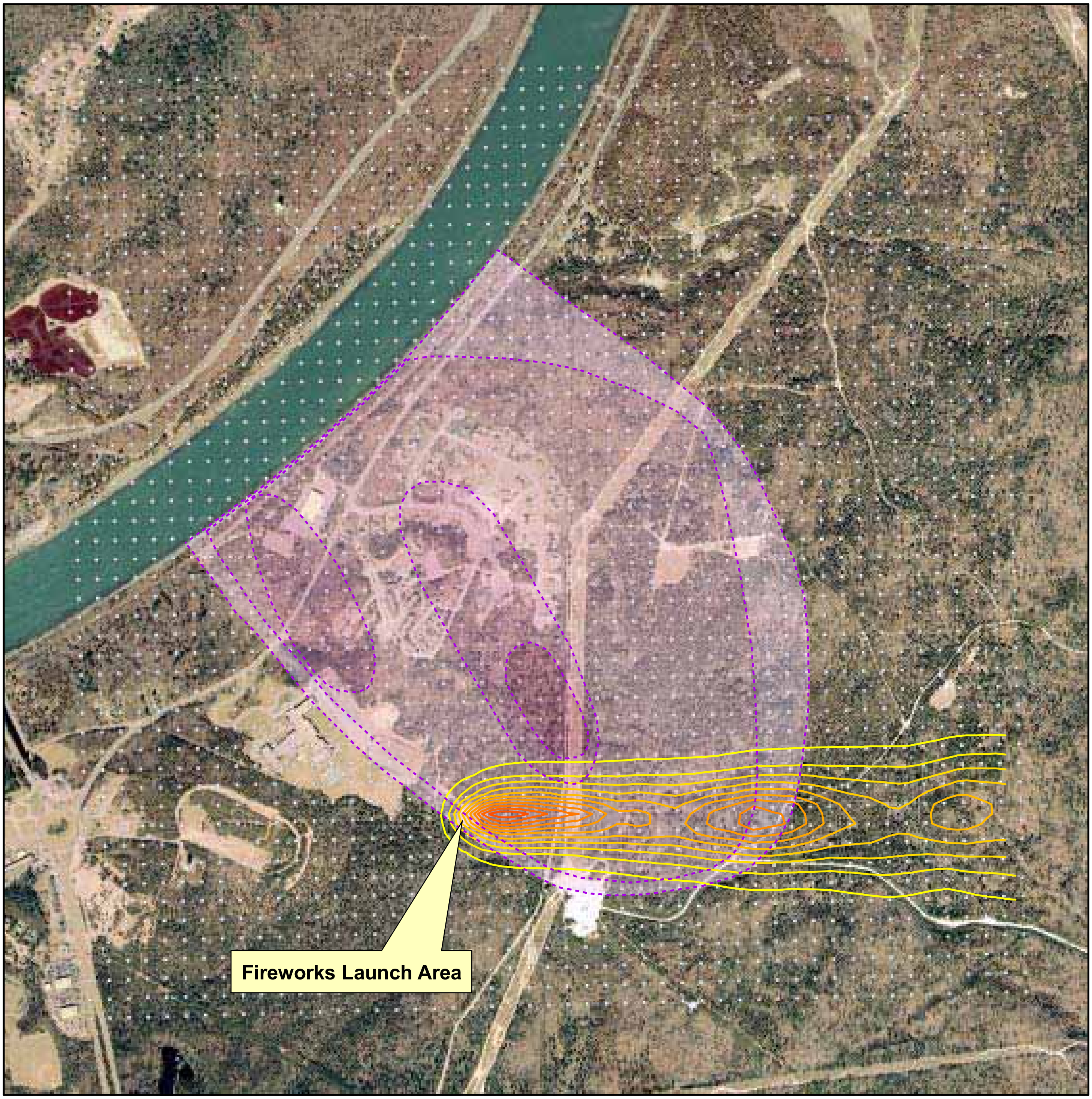
NOTES & SOURCES
Base Data from US Geological
Survey 7 1/2 minute
Topgraphic Maps Source: MassGIS
Aerial Photos: Color Digital Orthophotos
Date Flown 2001. Source: MassGIS

AMEC Earth & Environmental, Inc.
Westford, Massachusetts

Fireworks Debris Relative Deposition Rate Contours - 2001

FIGURE
7

J:/mmr/ReportFigs2005/N387/N387_Perch.pdf
G:/MMR_COE/work2005/N387/N387_Perch.mxd
February 18, 2005 DWN: AP DNB JBB CHKD:
Adapted August 23, 2005 SKN



LEGEND

Fireworks Debris Relative Deposition Rate Contours
(Relative Deposition Rates in Increments of 1000)
Units - (ug/m^2-sec per g/s)

1000 16000

Deposition Contour Lines

Perchlorate in Groundwater (02/18/05)

- Non-detect to less than 1 ppb
- 1 ppb to less than 4 ppb
- 4 ppb to less than 18 ppb
- 18 ppb to less than 100 ppb
- CALPUFF Receptor Locations

0 1,000
Feet

N

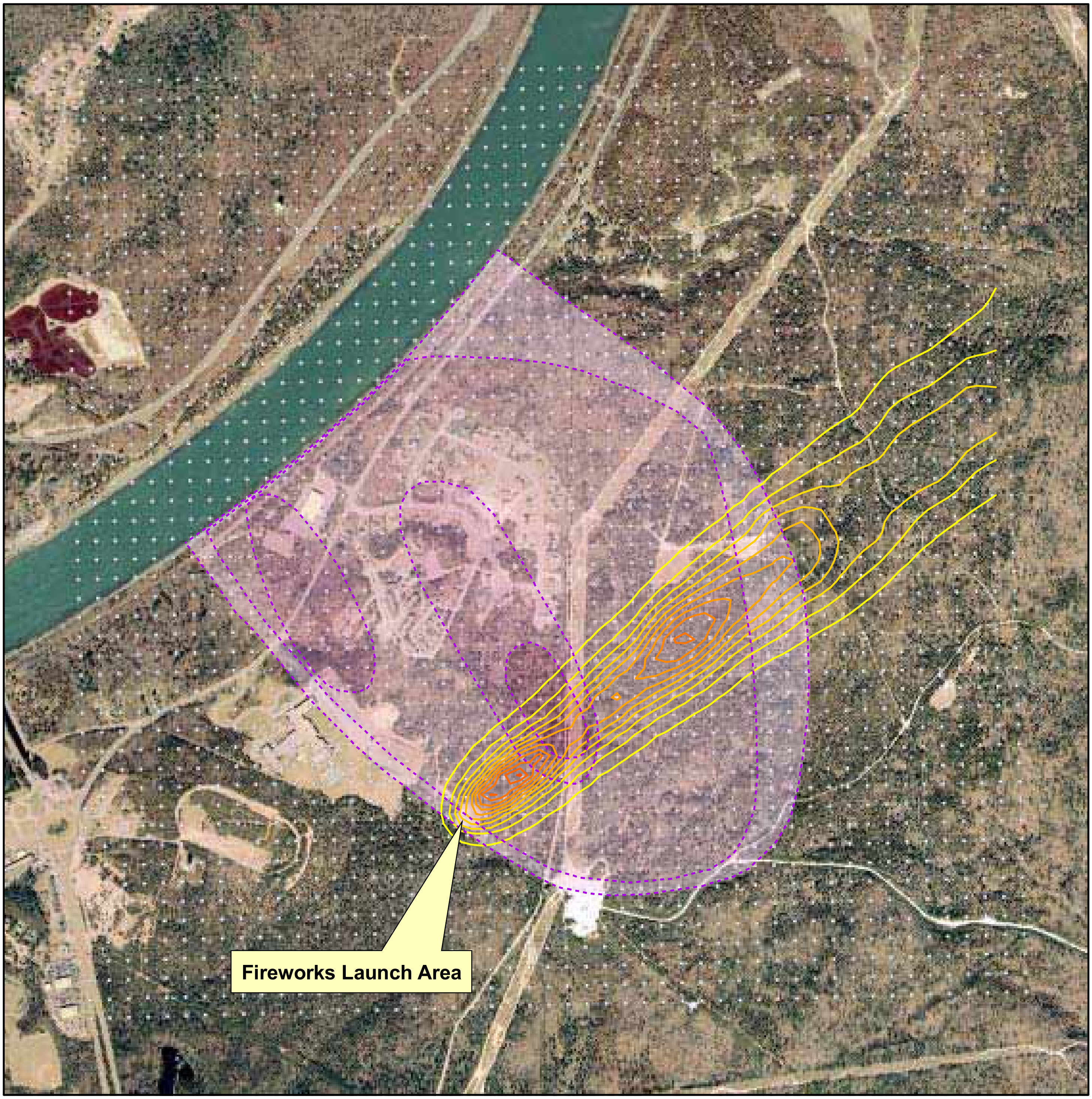
NOTES & SOURCES
Base Data from US Geological
Survey 7 1/2 minute
Topgraphic Maps Source: MassGIS
Aerial Photos: Color Digital Orthophotos
Date Flown 2001. Source: MassGIS

AMEC Earth & Environmental, Inc.
Westford, Massachusetts

Fireworks Debris Relative Deposition Rate Contours - 2002

FIGURE
8

J:/mmr/ReportFigs2005/N387/N387_Perch.pdf
G:/MMR_COE/work2005/N387/N387_Perch.mxd
February 18, 2005 DWN: AP DNB JBB CHKD:
Adapted August 23, 2005 SKN



LEGEND

Fireworks Debris Relative Deposition Rate Contours
(Relative Deposition Rates in Increments of 1000)
Units - (ug/m^2-sec per g/s)

1000 – 16000

Deposition Contour Lines

Perchlorate in Groundwater (02/18/05)

- Non-detect to less than 1 ppb
- 1 ppb to less than 4 ppb
- 4 ppb to less than 18 ppb
- 18 ppb to less than 100 ppb
- CALPUFF Receptor Locations

0 1,000 Feet

N

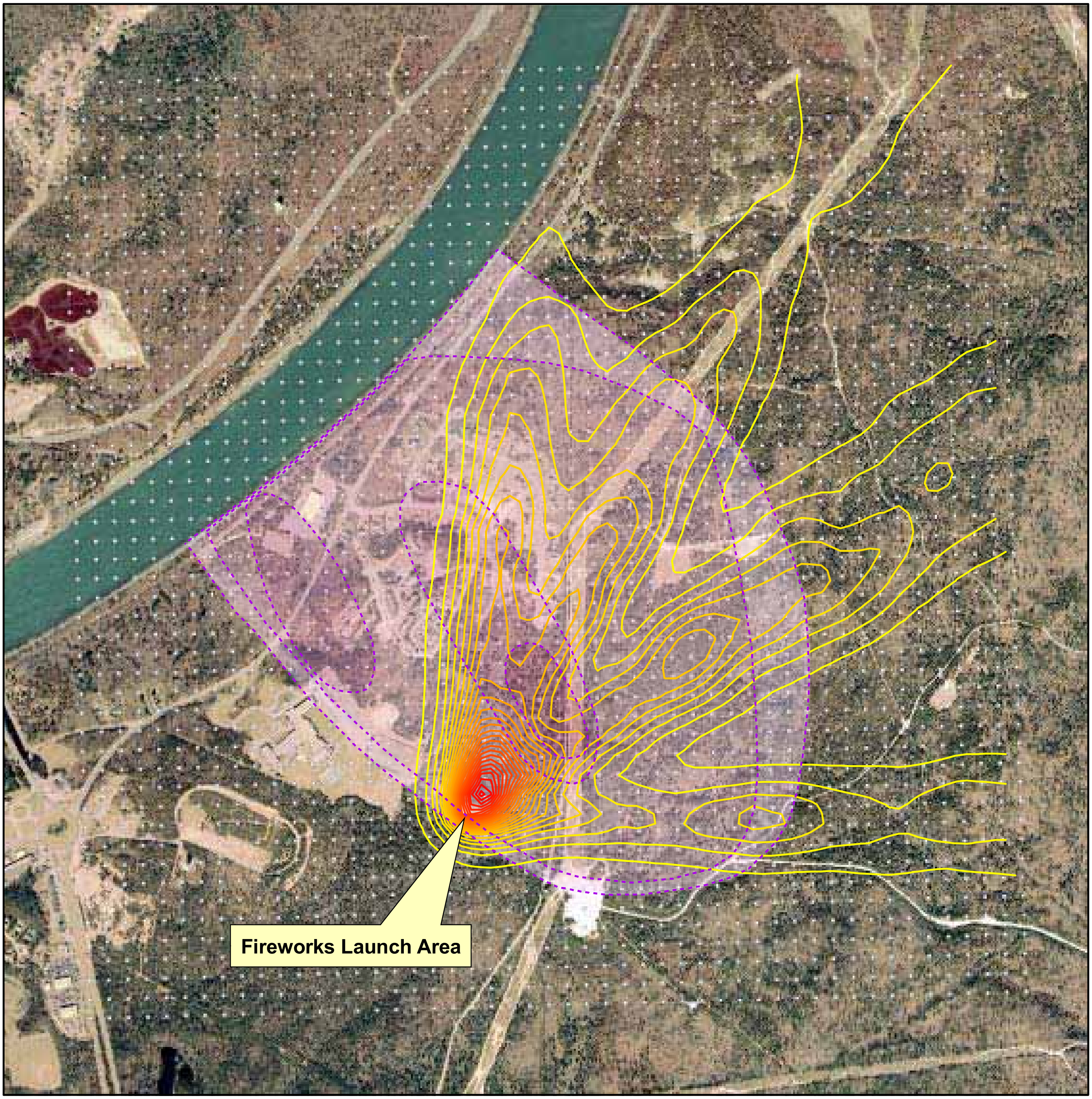
NOTES & SOURCES
Base Data from US Geological
Survey 7 1/2 minute
Topgraphic Maps Source: MassGIS
Aerial Photos: Color Digital Orthophotos
Date Flown 2001. Source: MassGIS

FIGURE 9

AMEC Earth & Environmental, Inc.
Westford, Massachusetts

Fireworks Debris Relative Deposition Rate Contours - 2003

J:/mmr/ReportFigs2005/N387/N387_Perch.pdf
G:/MMR_COE/work2005/N387/N387_Perch.mxd
February 18, 2005 DWN: AP DNB JBB CHKD:
Adapted August 23, 2005 SKN



LEGEND

Fireworks Debris Relative Deposition Rate Contours (Relative Deposition Rates in Increments of 2000) Units - (ug/m^2-sec per g/s)

2000 52000

Deposition Contour Lines

Perchlorate in Groundwater (02/18/05)

- Non-detect to less than 1 ppb
- 1 ppb to less than 4 ppb
- 4 ppb to less than 18 ppb
- 18 ppb to less than 100 ppb
- CALPUFF Receptor Locations

0 1,000 Feet

N

NOTES & SOURCES
Base Data from US Geological Survey 7 1/2 minute
Topgraphic Maps Source: MassGIS
Aerial Photos: Color Digital Orthophotos
Date Flown 2001. Source: MassGIS

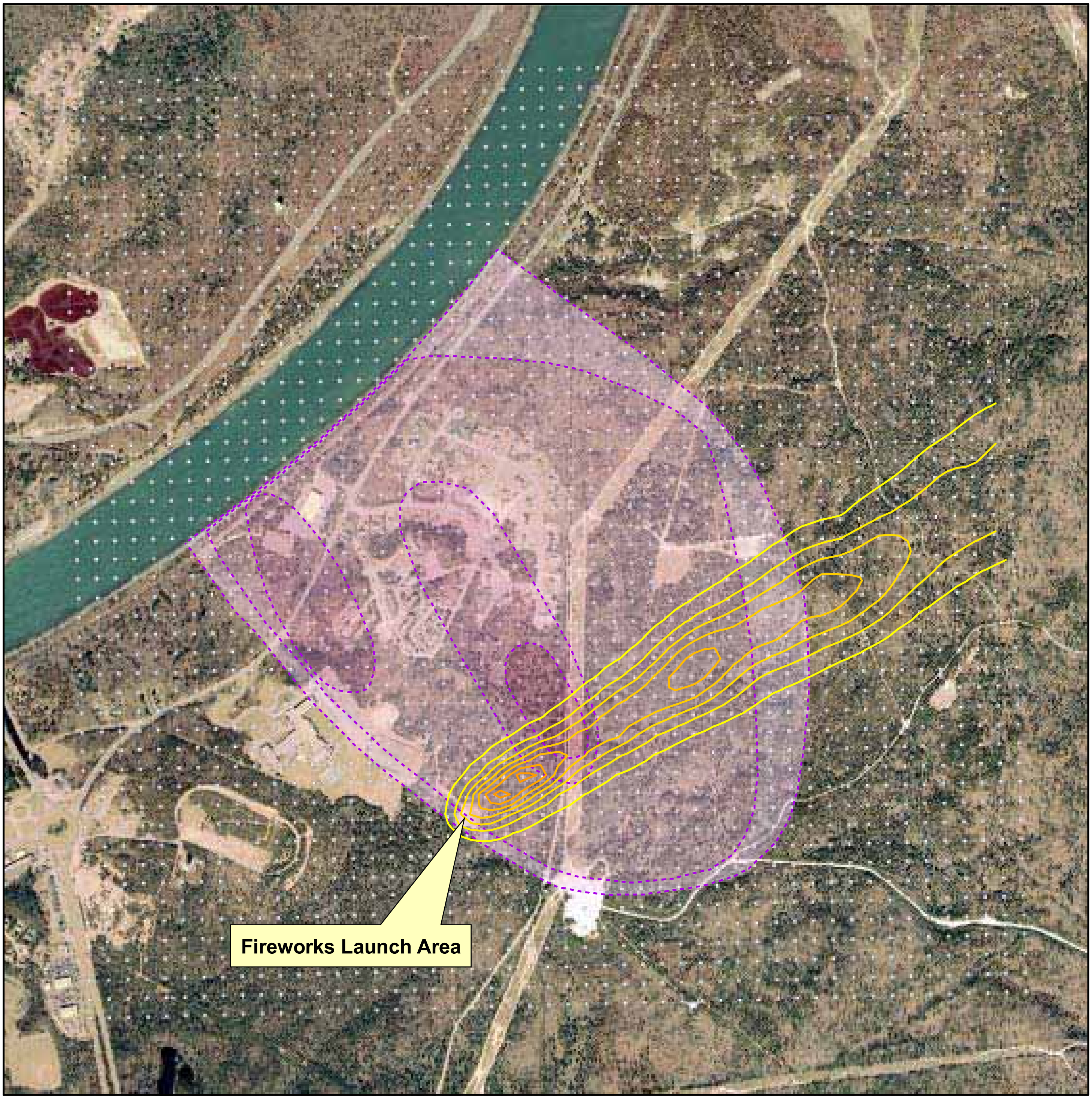
AMEC Earth & Environmental, Inc.
Westford, Massachusetts

Fireworks Debris Relative Deposition Rate Contours Combined Years (1997 - 2003)

FIGURE 10

J:/mmr/ReportFigs2005/N387/N387_Perch.pdf
G:/MMR_COE/work2005/N387/N387_Perch.mxd
February 18, 2005 DWN: AP DNB JBB CHKD:
Adapted August 23, 2005 SKN

Impact Area Groundwater Study Program



LEGEND

Fireworks Debris Relative Deposition Rate Contours (Relative Deposition Rates in Increments of 1000) Units - (ug/m^2-sec per g/s)

1000 16000

Deposition Contour Lines

Perchlorate in Groundwater (02/18/05)

- Non-detect to less than 1 ppb
- 1 ppb to less than 4 ppb
- 4 ppb to less than 18 ppb
- 18 ppb to less than 100 ppb
- CALPUFF Receptor Locations

0 1,000 Feet

N

NOTES & SOURCES
Base Data from US Geological Survey 7 1/2 minute
Topographic Maps Source: MassGIS
Aerial Photos: Color Digital Orthophotos
Date Flown 2001. Source: MassGIS

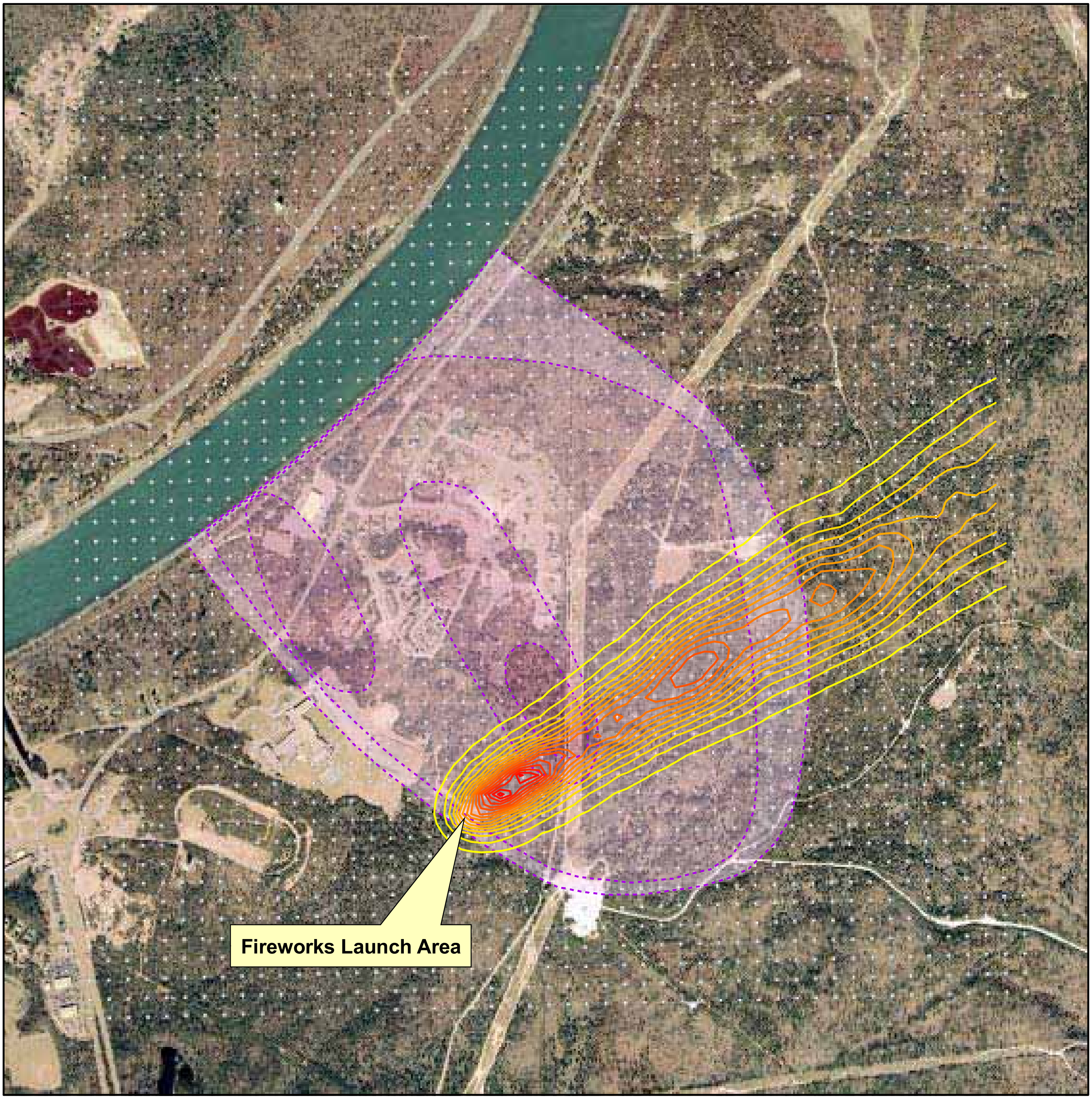
AMEC Earth & Environmental, Inc.
Westford, Massachusetts

Fireworks Debris Relative Deposition Rate Contours - 1999 (70/30 run)

FIGURE 11

J:/mmr/ReportFigs2005/N387/N387_Perch.pdf
G:/MMR_COE/work2005/N387/N387_Perch.mxd
February 18, 2005 DWN: AP DNB JBB CHKD:
Adapted August 23, 2005 SKN

Impact Area Groundwater Study Program



LEGEND

Fireworks Debris Relative Deposition Rate Contours (Relative Deposition Rates in Increments of 1000) Units - (ug/m^2-sec per g/s)

1000 16000

Deposition Contour Lines

Perchlorate in Groundwater (02/18/05)

- Non-detect to less than 1 ppb
- 1 ppb to less than 4 ppb
- 4 ppb to less than 18 ppb
- 18 ppb to less than 100 ppb
- CALPUFF Receptor Locations

0 1,000 Feet

N

NOTES & SOURCES
Base Data from US Geological Survey 7 1/2 minute
Topographic Maps Source: MassGIS
Aerial Photos: Color Digital Orthophotos
Date Flown 2001. Source: MassGIS

AMEC Earth & Environmental, Inc.
Westford, Massachusetts

Fireworks Debris Relative Deposition Rate Contours - 1999 (30/70 run)

FIGURE 12

J:/mmr/ReportFigs2005/N387/N387_Perch.pdf
G:/MMR_COE/work2005/N387/N387_Perch.mxd
February 18, 2005 DWN: AP DNB JBB CHKD:
Adapted August 23, 2005 SKN

Impact Area Groundwater Study Program

Table 2. Summary of Fireworks Types and Burst Data

Physical Characteristic	Units	Nominal Shell Diameter (inches)							
		1	2	3	4	5	6	8	10
Initial Velocity [1]	ft/s	80	118	144	166	186	204	235	263
Initial Velocity	m/s	24	36	44	51	57	62	72	80
Approximate burst height [2]	m	30	61	91	122	152	183	244	305
Initial Burst size [3]	m	14	27	41	55	69	82	110	137
Approximate shell mass [4]	kg	0.0015	0.012	0.11	0.27	0.52	0.90	2.13	4.17
Number shells for July 6, 2002 Fireworks [5]	unitless	1408	708	557	227	102	123	24	8
Approximate mass of all unexploded shells [6]	kg	14	21	63	61	53	111	51	33

Notes:

1 - http://library.thinkquest.org/15384/physics/index.htm

2 - Burst height is based on a scale of 30.5 meters height for every inch of shell diameter (http://www.atlaspyro.com/howhighdotheygo.asp and http://library.thinkquest.org/15384/physics/index.htm)

3 - Burst diameter is based on a scale of 13.7 meters diameter for every inch of shell diameter (http://library.thinkquest.org/15384/physics/index.htm)

4 - Approximate mass of shell derived from Mercer (2002) as 0.001467 x $(\text{shell diameter})^3$.

5 - Data taken from the Atlas PyroVision Productions Pyrotechnic Display Proposal to the Bourne Firefighters dated July 6, 2002.

6 - Equivalent to the approximate mass of a shell x number of shells.

Table 3. Summary of Particle Size Distribution

Average Particle Diameter (μm)	Assumed Fraction for CalPUFF Modeling [1]
2.5	0.21 [2]
15	0.25 [2]
50	0.042 [2]
100	0.1 [3]
200	0.1 [3]
300	0.1 [3]
400	0.1 [3]
500	0.1 [3]
Total	1.00

Notes:

1 - The distribution assumes that 50% of mass is 50um and less and 50% is greater than 50 um.

2 - Based on the EPA AP-42 document, 91.5% of the TSP is PM10 particles. The PM10 particles are assumed to be distributed in a manner similar to the PM15 and PM2.5 breakdown reported in Dutcher et al.(1999). The remaining 8.5 % is is assumed to be PM50.

3 - The mass of particles greater than 50 um are assumed to be equally distributed up to 500 um.

Table 4. Summary of Unitized Particle Emission Rates [1]

				Particle Sizes (um) [5]							
				2.5	15	50	100	200	300	400	500
				Percent of Mass in Each Size [5]							
				0.21	0.25	0.042	0.1	0.1	0.1	0.1	0.1
Nominal Shell Size	**Mass of Shell [2]**	**Fraction of Total Particle Mass [3]**	**Estimated Unitized Emission Rate [4]**	**Weighted unitized emission rates by shell mass and particle size fraction**							
1	5.9	0.01	1.47	0.31	0.37	0.06	0.15	0.15	0.15	0.15	0.15
2	23.6	0.06	5.88	1.23	1.47	0.25	0.59	0.59	0.59	0.59	0.59
3	63	0.16	15.69	3.30	3.92	0.66	1.57	1.57	1.57	1.57	1.57
4	61	0.15	15.19	3.19	3.80	0.64	1.52	1.52	1.52	1.52	1.52
5	53	0.13	13.20	2.77	3.30	0.55	1.32	1.32	1.32	1.32	1.32
6	111	0.28	27.65	5.81	6.91	1.16	2.76	2.76	2.76	2.76	2.76
8	51	0.13	12.70	2.67	3.18	0.53	1.27	1.27	1.27	1.27	1.27
10	33	0.08	8.22	1.73	2.05	0.35	0.82	0.82	0.82	0.82	0.82
TOTAL =	401.5	1									

Notes:

1 - The emission rates presented in this table are not actual emission rates. They are estimated unitized emission rates that were generated assuming that the particle emissions are proportional to the initial shell mass. These data are being used only

2 - Mass of the shell is estimated based on shell diameter - See Table 2.

3 - This assumes that the total mass of particles emitted from the fireworks is proportional to the starting shell mass.

4 - Estimated nominal unitized emission rates are computed by multiplying the particle mass fraction by 100. This is done to ensure that the emission rates re high

5 - See Table 3.

6 - Particle size distribution assumes that 21 % of particles is PM2.5, 25% is PM15, 4.2 % is PM50 and PM100, 200, 300, 400, and 500 are 10% each.

Table 5. Summary of Meteorological Data

EVENT	Hour Ending (EDT)	Hour Ending (GST/Z)	U component of wind 10 meters (SFC) (m/s)	Temperature - surface (SFC)/ 2meter (°C)	Relative Humidity 2 meters (SFC)	AVG TTL Cloud cover (SFC)	6 Hr Accumulated Precipitation (mm)
05-Jul-03	8:00 PM	July 6 00:00Z	3.964	22.651°C	82.69%	17.56%	0.583
06-Jul-02	8:00 PM	July 7 00:00Z	4.328	20.338	74.21%	41.55%	0.206
07-Jul-01	8:00 PM	July 7 00:00Z	4.328	20.338	74.21%	41.55%	0.206
04-Jul-00	8:00 PM	July 5 00:00Z	2.852	20.171	92.29%	60.56%	1.042
04-Jul-99	8:00 PM	July 5 00:00Z	3.812	23.427	84.34%	42.52%	0
04-Jul-98	8:00 PM	July 5 00:00Z	0.563	18.482	81.12%	43.31%	0
06-Jul-97	8:00 PM	July 7 00:00Z	1.830	19.774	75.07%	7.96%	0

Table 6. Fraction of Land as Specified Land Use and Corresponding Surface Parameters

	Degrees from North															
Land Use Description	**248.75 - 11.25**	**11.25 - 33.75**	**33.75 - 56.25**	**56.25-78.75**	**78.75 - 101.25**	**101.25 - 123.75**	**123.75 - 146.25**	**146.25 - 168.75**	**168.75 - 191.25**	**191.25 - 213.75**	**213.25 - 236.75**	**236.25 - 258.75**	**258.75 - 281.25**	**281.25 - 303.75**	**303.75 - 326.25**	**326.25 - 348.75**
Cropland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pasture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.10	0.70	0.00	0.00
Forest	67.08	66.07	94.60	94.27	94.50	94.82	94.82	94.23	88.11	50.56	48.86	41.49	30.43	24.82	52.63	72.34
NonForested Wetland	0.00	0.00	0.00	0.00	0.50	0.00	0.32	0.00	0.64	0.00	1.13	3.77	0.00	1.61	0.00	0.00
Mining	5.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	15.76	0.00	1.13	0.00	0.00	0.54	0.17
Open Areas w/ No Vegetation	2.06	19.36	5.36	4.02	4.93	4.52	2.17	2.49	8.88	4.42	4.26	3.04	7.56	1.95	2.95	2.24
Participation Recreation	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.93	16.89	7.24	3.21	8.85	4.46	3.45
Spectator Recreation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Based Recreation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66	0.00	0.00
MultiFamily Residential	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.97	8.26	2.40	2.84	0.58	2.62	2.61
High Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.07	2.63	0.00	2.28	7.41	0.00	0.00
Medium Density Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	1.74	1.85	11.62	12.48	4.19	5.38
Low Density Residential	6.10	1.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.05	14.36	10.49	2.27	3.35	0.78
Salt Water Wetland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.52	0.00	0.00	0.00	0.00
Commercial	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.70	3.92	1.58	7.27	17.89	1.19	1.35
Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	0.00	0.00	0.00	0.00	0.00	0.00
Urban Open	1.74	3.58	0.05	1.70	0.06	0.65	2.70	3.27	0.81	1.52	3.61	10.19	7.53	2.80	1.77	0.81
Transportation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.55	3.01	0.95	3.00	2.47	13.04	4.76
Waste Disposal	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00
Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.03	0.48	0.00	0.00	5.59	1.52	0.00
Woody Based Perrenial	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	3.17	5.83	0.00	0.20	6.10	0.00
Canal	14.86	9.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.69	9.68	5.63	6.12
Surface Area Weighted Parameters																
Noon-time Albedo	0.1328	0.1510	0.1286	0.1271	0.1280	0.1275	0.1246	0.1253	0.1358	0.1655	0.1497	0.1505	0.1493	0.1445	0.1422	0.1310
Bowen Ratio	0.7069	1.0794	0.4991	0.4778	0.4825	0.4784	0.4255	0.4479	0.6691	1.4484	0.9737	1.1244	1.3340	1.1659	0.8941	0.6608
Surface Roughness Length	0.9327	0.9013	1.2302	1.2426	1.2302	1.2393	1.2602	1.2577	1.1548	0.7759	0.8010	0.7847	0.6815	0.6522	0.7793	1.0076

APPENDIX C
Human Health Risk Evaluation

Table C-1
Northwest Corner Groundwater Screening

Chemical	Maximum Detected Concentration (ug/L)	Location of Maximum Concentration	Detection Frequency	Maximum Contaminant Level [1]	EPA Chronic (Lifetime) Health Advisory Level (HA) for Drinking Water [2] (ug/L)	EPA Regional Screening Level for Tapwater	Massachusetts Contingency Plan GW-1 Standard
2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	0.42 NJ	MW-66M2	2 / 62	-	70	370	-
ACETONE	4	LRMW9515	2 / 57	-	-	22,000	6,300
ALUMINUM	651	95-6A	16 / 73	-	-	37,000	-
ANTIMONY	4.9 J	LRMW9515	3 / 73	6	6	15	6
ARSENIC	4.2 J	MW-66S	2 / 73	10	-	**0.045**	10
BARIUM	14.8 J	95-6ES	15 / 73	2000	-	7,300	2,000
BENZENE	0.2 J	95-6ES	1 / 72	5	-	0.41	5
BENZOIC ACID	0.25 J	95-6A	1 / 71	-	-	150,000	-
BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0.0065 J	LRMW9515	1 / 45	0.2 [4]	-	0.037	0.2
bis(2-ETHYLHEXYL) PHTHALATE	4 J	LRMW9515	7 / 79	6	-	4.8	6
BORON	10.4	95-6ES	38 / 69	-	1,000	7,300	-
CADMIUM	0.5 J	LRMW9515	2 / 73	5	5	18	5
CALCIUM	2820	LRMW9515	69 / 73	-	-	-	-
CHLORAMBEN	0.3 NJ	MW-66M2	5 / 46	-	-	550	-
CHLOROFORM	3	LRMW9515	72 / 72	80	70	**0.19**	70
CHLOROMETHANE	1	95-6ES	5 / 72	-	30	190	-
CHROMIUM, TOTAL	15 J	LRMW9515	17 / 73	100	-	-	100
COPPER	18.3 J	XXWSCN	9 / 73	1300	-	1,500	-
DIETHYL PHTHALATE	9	MW-65M1	3 / 79	-	-	29,000	2,000
DI-n-BUTYL PHTHALATE	0.53 J	MW-66S	2 / 79	-	-	3,700	-
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	15 J	BH-363	86 / 506	-	**2**	**0.61**	**1**
IRON	26700	LRMW9515	30 / 73	-	-	**26,000**	-
LEAD	4.3 J	MW-65S	3 / 73	15	-	-	15
MAGNESIUM	1730	95-6ES	66 / 73	-	-	-	-
MANGANESE	220	MW-65M1	64 / 73	-	300	880	-
MCPP	1300	95-6ES	2 / 62	-	**30 [5]**	**37**	-
MERCURY	0.15 J	MW-65S	3 / 73	-	2	0.57	2
MOLYBDENUM	3.4	MW-65M1	8 / 69	-	40	180	-
NICKEL	10	LRMW9515	16 / 73	-	100	730	100
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	0.26	BH-363	2 / 506	-	400	1,800	200
PERCHLORATE	26.3	MW-279S	530 / 792	**2**	**15 [3]**	**26**	**2**
PICLORAM	0.14 J	95-6ES	1 / 38	500	-	2,600	-
POTASSIUM	1400	MW-65M1	54 / 73	-	-	-	-
SELENIUM	4.1 J	95-6ES	2 / 73	50	50	180	50
SILVER	0.65 J	95-15C	1 / 73	-	100	180	100
SODIUM	7420	LRMW9515	73 / 73	-	-	-	-
tert-BUTYL METHYL ETHER	0.82	LRMW9515	1 / 56	-	-	12	70
THALLIUM	0.24 J	95-6ES	2 / 73	2	0.5	2.4	2
VANADIUM	3 J	95-6A	4 / 73	-	-	260	30
ZINC	7210	LRMW9515	28 / 73	-	**2000**	11,000	**5,000**

Notes:

Data summary considers all samples from site-wide monitoring wells in the Northwest Corner (On Base and Off Base) from all sampling dates (1997-2008).

"Qualifier" codes used for the "Maximum Concentration" are as follows:

J = Estimated Concentration

NJ = Presumptively Identified Compound, Estimated Concentration

Highlighting indicates those criteria that have been exceeded and will be discussed further within the report.

[1] Maximum Contaminant Level is both Federal and State except for perchlorate, which reflects the State MCL

[2] HA is the Federal EPA lifetime health advisory value (June, 2006).

[3] Interim Health Advisory

[4] Lindane (technical grade BHC) used as a surrogate for the MCL value for Beta BHC.

[5] MCPA used as a surrogate for the HA value for MCPP.

Analyte	Maximum Concentration (mg/Kg)		Location of Maximum Detected Concentration	Total Number of Analyses	Number of Analyses Detected	MCP S-1/GW-1 Standard	MADEP Leaching Based Soil Concentration [6]	MMR SSL	EPA Region 3 Risk-Based SSL	Moraine Background Concentration (0 - 2 ft bgs)
ALUMINUM	42300		SS16R 0-0.25	151	151	-	-	54000	55,000	15500
ANTIMONY	1.3	J	CP16J 1.5-2	141	8	20	-	0.271	0.66	2.3
ARSENIC	5.5		SS208CB 1.5-2	151	123	20	-	0.00901	0.0013	3.9
BARIUM	25.5		CP42K 1.5-2	151	151	1000	-	120	300	20.2
BERYLLIUM	0.76		SS66E 1.5-2	151	99	100	-	2.6	58	0.41
BORON	20.6		CP16M 0-0.5	127	36	-	-	9.52	23	17.3
CADMIUM	1.1		SS16R 0-0.25	151	32	2	-	0.401	1.4	0.35
CALCIUM	242		SS62C 1.5-2	151	105	-	-	-	-	-
CHROMIUM, TOTAL [1]	19.7		SS16R 0-0.25	151	144	30	-	7.02	-	15.5
COBALT	5.8		SS208C 1.5-2	151	135	-	-	132	0.49	4.5
COPPER	931		SS16R 0-0.25	151	145	-	-	45.7	51	11
IRON	15400		SS208CB 1.5-2	151	151	-	-	2420	640	12100
LEAD	357		SS208FB 0-0.5	151	151	300	-	4.05	-	19
MAGNESIUM	2260		SS208A 1.5-2	151	151	-	-	-	-	1980
MANGANESE	396		SS66I 1.5-2	151	151	-	-	44.2	57	122
MERCURY	0.11		CP16A 1.5-2	151	3	20	-	0.0204	0.03	0.1
MOLYBDENUM	1.7		SS208A 0-0.5	127	82	-	-	0.183	3.7	1.1
NICKEL	27.7		SS16R 0-0.25	151	139	20	-	292	48	9.4
NITROGEN, AMMONIA (AS N)	37.6	J	SS66J 0-0.5	108	85	-	-	-	-	20
NITROGEN, NITRATE-NITRITE	1.2		SS66Q 0-0.5	108	105	-	-	-	-	0.94
PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS PO4)	199		CP26N 1.5-2	107	106	-	-	-	-	143
POTASSIUM	750		SS208C 1.5-2	151	122	-	-	-	-	733
SELENIUM	2.2	J	SS208H 0-0.5	151	14	400	-	2.76	0.95	1.1
SODIUM	348		SS208G 1.5-2	151	12	-	-	-	-	-
THALLIUM [2]	2	J	CP16G 1.5-2	151	3	8	-	3	0.17	1.6
TOTAL ORGANIC CARBON	48900.00		CP42C	74	50	-	#N/A	-	#N/A	-
VANADIUM	25.3		SS208H 0-0.5	151	150	600	-	260	260	21.7
ZINC	553		SS16R 0-0.25	151	139	2500	-	2200	680	25.6
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.000001	J		3	2	0.002	-	5E-11	-	-
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	0.00001			3	3	0.002	-	5E-11	-	-
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	-			3	0	-	-	-	-	-
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.0000003	J		3	1	0.0002	-	5E-12	-	-
1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	-			3	0	-	-	-	0.000009	-
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	-			3	0	-	-	-	-	-
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	-			3	0	-	-	-	0.000009	-
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	-			3	0	-	-	-	-	-
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	-			3	0	-	-	-	0.000009	-
1,2,3,7,8-PENTACHLORODIBENZOFURAN	-			3	0	-	-	-	-	-
1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXIN	-			3	0	-	-	-	-	-
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.0000002	J		3	1	0.000002	-	5E-14	-	-
2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.0000003	J		3	1	0.00001	-	2.5E-13	-	-
2,3,7,8-TETRACHLORODIBENZOFURAN	0.0000003			3	1	0.000002	-	5E-14	-	-
2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	-			3	0	0.00002	-	5E-13	0.00000015	-
Dibenzofuran Mixture Toxicity Equivalency [2]	0.0000002					0.00002	-	5E-13	-	-
Dibenzodioxin Mixture Toxicity Equivalency [2]	0.0000001					0.00002	-	5E-13	-	-
2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	0.006	J	SS66F 1.5-2	73	1	-	-	0.493	0.11	-
2,4,6-TRINITROTOLUENE by 8330	-		-	80	0	-	-	0.000212	0.0087	-
2,4-DINITROTOLUENE	0.6	J	SS62E 0-0.5	211	8	0.7	0.057	0.0196	0.0002	-
2,6-DINITROTOLUENE	0.03	J	SS62E 0-0.5	211	1	-	-	0.00876	0.034	-
2-CHLOROBENZOIC ACID	0.39	J	SS208A 0-0.5	8	1	-	-	-	-	-
ACETONE	0.16	J	SS66J 1.5-2	65	48	6	6.3	0.107	4.4	-
ANTHRACENE	0.02	J	SS66Q 0-0.5	195	1	1000	-	53.8	450	-
BENZO(a)ANTHRACENE	0.12	J	SS66Q 0-0.5	195	9	7	-	0.0369	0.014	0.46
BENZO(a)PYRENE	0.09	J	SS66Q 0-0.5	195	7	2	-	0.203	0.0046	0.46
BENZO(b)FLUORANTHENE	0.16	J	SS66Q 0-0.5	195	10	7	-	0.114	0.047	0.46
BENZO(g,h,i)PERYLENE	0.06	J	SS66Q 0-0.5	195	3	1000	-	554	-	0.46
BENZO(k)FLUORANTHENE	0.13	J	SS66Q 0-0.5	195	10	70	-	0.114	0.46	0.46
BENZOIC ACID	0.25	J	SS54L 1.5-2	63	8	-	-	-	33	-
BENZYL BUTYL PHTHALATE	0.02	J	SS62G 0-0.5	157	1	-	-	491	0.67	-
bis(2-ETHYLHEXYL) PHTHALATE	0.77		SS54G 0-0.5	195	32	200	-	72	1.6	-
BROMOMETHANE	0.003	J	SS16R 0-0.25	65	1	0.5	0.05	0.00182	0.0022	-
CARBON DISULFIDE	0.001	J	SS16R 0-0.25	65	1	-	-	0.414	0.27	-
CHLORAMBEN	0.01	J	SS62B 0-0.5	114	4	-	-	0.116	0.12	-
CHLOROFORM	0.01		SS66J 1.5-2	65	1	0.4	0.35	0.0000364	0.000055	-
CHLOROMETHANE	0.001	J	SS66J 1.5-2	65	2	-	-	0.000399	0.049	-
CHRYSENE	0.20	J	SS66Q 0-0.5	195	16	70	-	3.4	1.4	0.46
DCPA (DACTHAL)	0.01	NJ	SS66M 0-0.5	65	1	-	-	4.91	0.28	-
DIBENZ(a,h)ANTHRACENE	0.03	J	SS66Q 0-0.5	195	2	0.7	-	0.0377	0.015	-
DICAMBA	0.02	NJ	CP42D 0-0.5	111	3	-	-	0.264	0.28	-
DIELDRIN	0.05		SS62A 0-0.5	98	7	0.05	-	0.0008	0.00009	0.03

Table C-2
Northwest Corner Soil Screening

Analyte	Maximum Concentration (mg/Kg)		Location of Maximum Detected Concentration	Total Number of Analyses	Number of Analyses Detected	MCP S-1/GW-1 Standard	MADEP Leaching Based Soil Concentration [6]	MMR SSL	EPA Region 3 Risk-Based SSL	Moraine Background Concentration (0 - 2 ft bgs)
DIETHYL PHTHALATE	0.05	J	SS66R 1.5-2	195	1	10	9.98	13.4	13	-
DI-n-BUTYL PHTHALATE	1.1	J	CP16M 0-0.5	195	22	-	-	150	11	-
ENDOSULFAN SULFATE [3]	0.002	NJ	SS66Q 0-0.5	98	1	0.5	0.54 [3]	2.18	9.7	-
ENDRIN ALDEHYDE [4]	0.003	J	SS62B 0-0.5	98	2	8	-	0.189	0.23	-
ENDRIN KETONE [4]	0.002	J	SS62A 0-0.5	98	1	8	-	0.189	0.23	-
FLUORANTHENE	0.28	J	SS66Q 0-0.5	195	17	1000	-	108	210	0.46
GAMMA-CHLORDANE	0.002	J	SS62A 0-0.5	98	1	0.7	-	0.0000384	0.033	-
HEPTACHLOR	0.002		CP42D 0-0.5	62	1	0.2	-	0.0215	0.0016	-
HEPTACHLOR EPOXIDE	0.002	J	SS62C 1.5-2	98	1	0.09	-	0.0061	0.000079	-
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX) by 8330	-		-	118	0	1	0.00168	0.000109	0.00036	-
INDENO(1,2,3-c,d)PYRENE	0.06	J	SS66Q 0-0.5	195	3	7	-	0.317	0.16	0.46
MCPA [5]	42	NJ	CP42I 0-0.5	111	25	-	-	0.00143	0.0047	-
MCPP [5]	52		CP16N 1.5-2	119	5	-	-	0.05	0.011	-
METHYL ETHYL KETONE (2-BUTANONE)	0.01		SS66J 1.5-2	65	22	4	4	0.335	1.5	-
METHYLENE CHLORIDE	0.01	J	CP16E 0-0.5	65	8	0.1	0.01	-	0.0012	-
N-NITROSODIPHENYLAMINE	0.11	J	CP16M 0-0.5	195	10	-	-	0.0078	0.17	-
p,p'-DDE	0.01	J	SS66J 0-0.5	99	20	3	-	0.884	0.06	0.0022
p,p'-DDT	0.01		CP42G 0-0.5	99	23	3	-	0.525	0.087	-
PCB-1254 (AROCHLOR 1254)	0.05		CP16A 1.5-2	98	1	2	-	0.0104	0.0051	-
PCB-1260 (AROCHLOR 1260)	0.03	J	SS66Q 0-0.5	98	2	2	-	0.0104	0.014	-
PENTACHLOROPHENOL	0.05		SS66I 1.5-2	253	2	3	0.008	0.000429	0.0039	-
PENTAERYTHRITOL TETRANITRATE	47		CP16C 0-0.5	118	2	-	-	-	-	-
PERCHLORATE	7.56		SS199G	250	43	0.1	0.002	0.00314	-	-
PHENANTHRENE	0.09	J	CP16B 0-0.5	195	8	10	10.9	48.1	-	0.46
PHENOL	0.08	J	SS66R 0-0.5	195	2	1	0.951	0.766	8.1	-
PYRENE	0.26	J	SS66Q 0-0.5	195	22	1000	-	19	150	0.46
SILVEX (2,4,5-TP)	0.01	J	CP42D 0-0.5	119	1	-	-	-	0.11	-
TOLUENE	0.003	J	SS66F 1.5-2	65	14	30	32	0.272	1.7	-

Notes:
Data summary considers all samples from site-wide monitoring wells in the Northwest Corner (On Base and Off Base) from all sampling dates (1997-2008).
"Qualifier" codes used for the "Maximum Concentration" are as follows:
J = Estimated Concentration
NJ = Presumptively Identified Compound, Estimated Concentration
Highlighting indicates those criteria that have been exceeded and will be discussed further within the report.
[1] MCP standards for Chromium VI used as a surrogate for Chromium, Total.
[2] EPA Risk-Based SSL for Thallium, Soluable Salts used as a surrogate for Thallium.
[3] MCP standards for Endosulfan used as a surrogate for Endosulfan sulfate.
[4] MCP and EPA values for Endrin used as a surrogate for Endrin Aldehyde and Endrin Ketone.
[5] AMEC (2002) confirmed that the detections of these analytes were false positives
[6] MADEP Leaching Based Soil Concentrations are not used as a screening criteria, but are included for comparison purposes only.

APPENDIX D

FS Groundwater Modeling

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D.1 Groundwater Modeling Appendix in Support of Northwest Corner Feasibility Study

This appendix was developed to document the Northwest Corner groundwater modeling activities. This includes the description and documentation of groundwater flow and contaminant transport modeling for perchlorate and RDX.

D.1.1 Northwest Corner Groundwater Modeling Program Objectives

The objectives for groundwater modeling at the Northwest Corner consisted of constructing and calibrating a groundwater flow transport model for perchlorate and RDX in support of a monitored natural attenuation assessment (MNA) for these two contaminants. A 3-dimensional numerical model was developed in order to predict future contaminant migration pathways, including rate of movement for groundwater flow, and time of discharge of the contaminants to the Cape Cod Canal.

D.1.2 Model Code Selection for Flow/Particle Tracking Analysis

Groundwater Vistas (GWV) Version 4.25 (developed by Environmental Solutions, Inc.), was the pre- and post-processor used to incorporate groundwater flow and contaminant transport properties into the Northwest Corner subregional model. The USGS modular finite-difference groundwater flow modeling code, MODFLOW96, was selected to simulate groundwater flow at MMR (Harbaugh and McDonald, 1996; McDonald and Harbaugh, 1988). MODFLOW96 is a well documented, public-domain code developed by the USGS, and is widely used throughout the environmental industry. USGS developed a regional steady-state groundwater flow model encompassing MMR using MODFLOW96, and incorporating numerous iterative refinements (Masterson et al. 2000, 1998, and 1996). AMEC Earth and Environmental, Inc. (AMEC) modified the USGS flow model and issued regional model MMR-10NW to the United States Army Corps of Engineers (USACE) in October 2005. This regional model was used to develop the Northwest Corner subregional model.

Results of the MODFLOW96 simulations resulted in the development of modeled water table and potentiometric surface maps of the aquifer for the various model layers. Water table/potentiometric surface maps were exported from GWV and imported into ArcGIS Version 9.2 (ESRI, 2006) for use in developing report graphics.

The USGS particle tracking code, MODPATH, was selected for computing forward and reverse particle tracks (Pollack, 1989 and 1994). MODPATH utilizes the groundwater flow output from MODFLOW96 to predict flow paths and, similar to MODFLOW96, is a well-documented public domain code that is widely used throughout the environmental industry. Particle track analyses were utilized to select monitoring well locations and screen depths during the Northwest Corner Draft Remedial Investigation (RI), as well as to calibrate and predict advective contaminant migration paths. MODPATH was used to predict the travel time of a water particle from the contaminant source area to its point of discharge. At the Northwest Corner, the primary discharge sink is the Cape Cod Canal.

D.1.3 Model Code Selection for Fate and Transport Analysis

The modular, three-dimensional, multispecies transport model MT3DMS (Zheng and Wang, 1999) was selected to simulate the fate and transport of contaminants of concern. MT3DMS is designed for use with output from any block-centered finite-difference groundwater flow model (e.g., MODFLOW96). The program utilizes groundwater flow velocities from MODFLOW to predict concentrations, considering advection, dispersion, diffusion, and basic chemical reactions (e.g., sorption and decay) of dissolved contaminants. In developing the transport model for Northwest Corner, the effects of recharge (accretion of precipitation to the water table), advection, dispersion, and sorption for contaminant fate and transport simulations were considered. Contaminant degradation and diffusion were not simulated. As with MODFLOW and MODPATH simulations, Groundwater Vistas was used to pre-process and post-process contaminant transport data.

Information needed from the MODFLOW model is "passed on" to the transport model via a transport link file. Information pertaining to porosity values, dispersion coefficients (longitudinal and transverse), and sorption parameters (distribution coefficients/bulk density) are discussed in greater detail in Section D.4.1. Model input parameters such as dispersivity, bulk density and sorption coefficients were pre-processed in Groundwater Vistas by filling in appropriate transport parameter databases. The transport equation was solved by MT3DMS using the Generalized Conjugate Gradient (GCG) Solver. MT3D solves the transport equation and GWV contours the distribution of the contaminants simulated on a "layer by layer" basis. Contaminant concentration within any row, column and layer of the transport model is provided by the GWV post-processing software. Contaminant contour maps can be exported on a layer by layer basis. However, GWV has the capability of providing a composite contour map whereby the maximum concentration within any model row/column/layer is contoured. This function was used in developing contaminant contour maps for the Northwest Corner. Contour maps were exported from GWV as ESRI shapefiles for use in creating plume maps for Perchlorate and RDX contamination within the Northwest Corner.

D.1.4 Additional Codes and Pre/post Processors

A variety of pre and post-processors were used to provide input data to the models and display results. Generic tools include text editors such as Textpad (Helios Software Solutions, 2004), graphing packages such as Microsoft Excel (Microsoft Corporation 2003), CORPSCON 6 (US Army Corp of Engineers, version 6.0.1) and contour/gridding packages such as SURFER Version 8 (Golden Software, Inc., May 2004).

CORPSCON 6, developed by the USACE Topographic Engineering Center, was used to convert boring/well coordinates from Universal Transverse Mercator (UTM) North American Datum (NAD) 1983 in UTM-meters, (units for which data is stored in the EDMS "site" database) to Massachusetts State Plane (SP) Coordinates of 1927, which are the units of the model.

SURFER was principally used to import the coordinates and elevation of a particle corresponding to a well screen to determine where a water particle would be within the aquifer. After creating the contaminant cross-sections, and forward migrating chemical data points, layer by layer contour chemical contour (isopleths) maps representing perchlorate and RDX contamination were converted to a data file. This file containing the northing and easting coordinates, and concentration of the contaminant, was read by SURFER. SURFER uses a gridding algorithm in order to interpolate the concentration between the contour lines and control points (measured values).

The Natural Neighbor gridding method was used for Northwest Corner data. The Natural Neighbor interpolation algorithm uses a weighted average of the neighboring (adjacent) observations. SURFER produces a binary grid file that contains a concentration for every grid node in the orthogonal array. These files, one for every model layer, are imported into the numerical model on a layer-by-layer basis and represent the contaminants' initial starting concentrations for the transport simulation.

Additionally, the vadose zone leaching model, Seasonal Soil Compartment Model (SESOIL) (Bonazountas and Wagner, 1984) was used to estimate a travel time of perchlorate through the vadose zone.

D.2.1 Northwest Corner Subregional Model

The subregional model was derived from the calibrated regional flow model (MMR-10NW). Relative to the regional model, the subregional model features a refined model grid allowing for greater resolution of hydraulic heads and a more accurate representation of aquifer interaction with the Cape Cod Canal. The finer discretization of the sub-regional model allows for incorporation of important local scale features such as aquifer/canal interaction. The Northwest Corner subregional model was calibrated to both flow and transport objectives. These objectives are discussed in greater detail in Section D.2 and subsequent Sections A.3 and D.4.

D.2.2 Subregional Model Design

The following sections present the discretization, boundary conditions and aquifer properties used in subregional model development.

D.2.2.1 Model Discretization

As identified in the Northwest Corner Draft RI report (AMEC, 2006), the approach to developing the subregional model was to: 1) ensure the regional model was calibrated to synoptic water level data collected from the Northwest Corner monitoring well network, and 2) define the subregional model grid and boundary conditions. Groundwater flow and contaminant transport for the Northwest Corner were simulated using a 20-layer finite-difference model extracted from the regional model MMR-10NW using Telescopic Mesh Refinement (TMR). The TMR method requires specification of the subregional grid extents and spacing, and then extraction of appropriate boundary conditions from the regional model. This allows consistency between the regional and subregional models, in terms of groundwater flux and heads, to be maintained.

The Northwest Corner subregional model grid consists of 305 rows and 260 columns. Rows and columns have equal spacing of 50 feet. Figure D.2-1 depicts the orientation of the model grid within the Northwest Corner area and depicts the locations of the constant heads and general head boundaries. Model layers have horizontal top and bottom elevations for uniform thickness with the exception of layers 19 and 20 which correspond to the interpreted top of bedrock and have variable and irregular thicknesses. The top of bedrock depicted in model layers 19 and 20 is defined as a no-flow boundary condition, and as such, water is not transmitted between overburden and the crystalline bedrock.

The upgradient extent of the perchlorate plume is located approximately 800 feet east of Canal View Road. The top of the groundwater surface at this point is simulated in model layer 3. The water table slopes downward towards the canal and intersects the canal at model layer 6.

D.2.3 Water Level Calibration

Both the MMR-10NW regional model and Northwest Corner subregional model utilize a recharge rate of 0.68 meters/year (27 inches/year). Additional rounds of water level data have been collected since the last regional model was calibrated in 2004. The average groundwater elevations obtained from these and earlier synoptic gauging rounds were utilized as calibration points in the subregional model. Table D.2-2 contains a comprehensive data set of water levels for wells located within the Northwest Corner study area used for model calibration. The table contains the top, mid-point and bottom elevation of the well screens, minimum, maximum, and average water levels, and model layer corresponding to the mid-point elevation of the well screen.

Table D.2-3 compares model predicted versus “average” measured water levels. The difference between the model predicted and measured values is defined as the residual. A method to evaluate how well the model is calibrated is to assess the standard deviation of the residuals divided by the range in measured water levels. The calibration routine contained within GWV calculated a residual standard deviation of 1.895 feet. A plot of measured versus model predicted water levels is presented in Figure D.2-2. If the model predicted versus measured water level were equal the residuals would be zero and the line would plot on a 45 degree angle to either axis. Figure D.2-2 identifies that most wells plot along or near to the 45 degree line. The range in water levels determined by the model was 35.92 feet. The ratio of the residual standard deviation (1.895 ft.) divided by the range in water levels (35.92 ft.) was 0.053 or 5.3%. A model with this statistic below 10% is considered adequately calibrated with respect to flow. As such, the subregional model was considered adequately calibrated for the Feasibility Study assessment.

D.2.4 Boundary Conditions

Model cells along the upgradient (eastern) and cross-gradient (northern & southern) boundaries (the model edges) are specified as constant head boundaries in the model. These values were obtained directly from the head solution of the regional model and imported into the subregional model using TMR. Model layers 6 through 10 have a head-dependent specified flux boundary conditions that were assigned to the regional model using MODFLOW’s General Head Boundary (GHB) package and applied to those model cells corresponding to the Cape Cod Canal (Figure D.2-1). The interaction between the aquifer and the canal was refined from the regional model by varying the conductance value in the model cells and vertically discretizing the model layers. The contact between permeable outwash and bedrock (model layers 19 and 20) was assigned a no flow boundary condition.

D.3.1 Particle Track Travel Times and Orientation

Groundwater flow velocity was calculated by two methods: 1) using the subregional groundwater model and 2) using average aquifer characteristics. Groundwater velocity predicted by the model between MW-279 and the Canal (approximately 3600 feet) is estimated at 2.5 ft/day, or a travel time of approximately 4 years.

To estimate the velocity-based aquifer parameters, the average transmissivity (15,000 ft^2/day), is divided by the average aquifer thickness of 120 ft. That result is then multiplied by the hydraulic gradient of 0.0068 ft/ft, and divided by an effective porosity of 0.32. The result of 2.7 ft/day, or travel time of 3.7 years from MW-279 to the Canal, is comparable to the velocity predicted by the subregional model.

Information indicates that fireworks were launched from 1997 through 2003 (AMEC, 2006a). Preliminary leaching calculations were performed using SESOIL to estimate a time for perchlorate to leach to groundwater in the vicinity of MW-279. Estimates indicate that for a single release, approximately 3 years are required for perchlorate to reach groundwater (based on a July release). Furthermore, it takes approximately 3 additional years for the trailing edge (residuals) of the perchlorate contamination deposited on the surface to fully leach through the vadose zone and impact groundwater. Therefore, a release from fireworks in 1997 in the area of MW-279 could be expected to reach the canal as early as 2004 (3 years to reach groundwater, and 3.7 years in travel time to the canal). Obviously, the travel time frames would be shorter if perchlorate was deposited closer to the Canal. Since there is an apparent 3 year time lag for the perchlorate trailing edge to reach groundwater, it could be expected that residual contamination would continue to be detected in source area wells such as MW-279S into 2008 or 2009, based on suspension of pyrotechnic displays in 2003.

The RDX plume within the Northwest Corner measures slightly less than 1.5 miles in length and has a width of approximately 200 feet in proximity to MW-323 (near Canal View Road). As depicted in Figure D.3-1, the plume is not oriented perpendicular to the model predicted groundwater flow lines but instead angled approximately N28°W based on measured groundwater elevations, and as observed in the line of RDX detections. The simulated groundwater flow/transport direction for RDX, however, is approximately 12 degrees more westerly (N40°W). Groundwater flow contour lines constructed and presented in Figures 2-3 through 2-6 of the Northwest Corner Draft RI (AMEC, 2006a), show a northwesterly groundwater flow direction in July and November 2003, consistent with the model predicted groundwater flow direction, and a northerly groundwater flow direction east of Canal View Road in February and April 2004, slightly askew from the model predicted flow direction. Regardless of these directional changes, all contaminated groundwater in the Northwest Corner discharges to the Cape Cod Canal. Without further adjustment to the hydraulic conductivity tensors (Kx,Ky,Kz) and possibly boundary condition changes including recharge, the modeled plume will track in the direction perpendicular to groundwater flow. For Feasibility Study purposes, this minor variation between observed versus model predicted transport direction is inconsequential for evaluating remedial alternatives.

D.4.1 Transport Parameters

This section documents the transport parameters incorporated into the block centered transport model MT3D. Parameters estimated and incorporated into the transport model consisted of porosity, dispersivity, retardation, and initial contaminant concentrations for perchlorate and RDX.

D.4.1.1 Porosity

A porosity value of 0.32 was used for all flow and transport simulations and was not adjusted during model calibration. This effective porosity value is consistent with that used by ECC/Jacobs for other sites at MMR. Anderson & Woessner (2002) presents a net effective porosity/specific yield of 0.32 as an average value for a medium-grained sand. This value is similarly consistent with the effective porosity value used by AMEC in their velocity calculation for the Northwest Corner Draft RI, as identified in Section A.3.1 (AMEC, 2006a). The porosity value is also used by MODPATH to determine the time for a particle to move a specified distance.

D.4.1.2 Dispersivity

Longitudinal, transverse and vertical dispersivity values of 3.00, 0.06, and 0.005 ft respectively, were used in the MT3D transport simulation for perchlorate and RDX. These values were published by Garabedian et al. (1988) and utilized in modeling efforts at Demo 1 (AMEC, 2001b) and Demo 2 (USACE, 2006). As part of a limited sensitivity analysis, the transverse dispersivity was increased in an attempt to force the RDX plume orientation to better match the particle track orientation. However, the results of the sensitivity testing indicated this was not feasible by modifying only this parameter. Therefore, the previously simulated dispersivity values were used.

D.4.1.3 Retardation

Consistent with previous models developed for the IAGWSP, perchlorate was simulated to have no retardation, and as such, the compound migrated at the groundwater velocity. However, RDX is known to adsorb to site aquifer soils and the retardation factor (Rf) for RDX was calculated by the following equation:

$Rf = 1 + (Kd^*\rho_b/n)$ (Equation D.4.1.3-1)

Where:

Rf = retardation factor (dim)
Kd = distribution (sorption) coefficient and is defined as the product of foc*Koc (L/Kg)
foc = fraction of organic carbon (Kg/Kg)
Koc = organic carbon coefficient (L/Kg)
ρb = soil dry bulk density (Kg/L)
n = effective porosity (L/L)

The organic carbon partition coefficient (Koc) for RDX as presented in EPA's RAIS database is 195.4 Kg/L. The fraction of organic carbon information obtained from the subsurface soil samples contained in the EDMS database averages 0.039% for depths greater than 100 feet. This value is consistent with the 0.038% value suggested by MassDEP as part of their review of the Former K Range Human and Ecological Health Assessment, Appendix C (AMEC, 2005a). The 0.039% foc value was subsequently used to calculate the RDX distribution coefficient. Additionally, a soil bulk density of 1.61 g/cm^3 was used by AMEC in the transport simulations for Demo 1 (AMEC, 2005b) and by USACE (2006) for the Demo 2 RDX transport simulation. Lastly, the effective porosity used in the transport model was 0.32 or 32%. This value was used by AMEC in calculating groundwater velocities within the Northwest Corner Draft RI (AMEC, 2006a). The RDX retardation coefficient used was 1.375, which is consistent with retardation factors used at other IAGWSP sites.

D.4.1.4 Biodegradation

For consistency with other modeling activities at other IAGWSP sites, biodegradation was not simulated for perchlorate or RDX.

D.4.1.5 Initial Conditions

In order to assemble the transport models for perchlorate and RDX, layer by layer plume shells were constructed (see Appendix B). These plume shells were then imported into the GWV pre-processor and read by MT3D. The plume shells were constructed by first updating the perchlorate and RDX cross-sections using the most recent data sets, and where needed, forward migrating data from previous sampling rounds. The data cutoff for cross-section/plumeshell development was November 2006. The lines of cross-sections are presented in Figure B-1, and Figures B-2 through B-9 contain the updated cross-sections A-A' through G-G', and I-I'. Additionally, new J-J' was added which is parallel to line I-I' and goes through one of the more highly contaminated perchlorate wells, MW-279 (Figures B-10 through B-12). Cross-sections were oriented both parallel and transverse to groundwater flow. Plume shells were constructed for each of the model layers where contamination was detected. In the case of perchlorate and RDX, contamination extended into model layer 18, which had a depth of approximately -140 ft MSL.

Contoured plume maps for each layer containing contamination above the reporting limit (0.35 µg/L for perchlorate and 0.25 µg/L for RDX) were digitized in ARCGIS. The coordinates (northing/eastings) and associated contour concentration, were converted to an ASCII data file for perchlorate and RDX. Control points were added to the ASCII file separately by adding in recently measured well values at their respective screen locations and forward migrating these data points using MODPATH. The data used to construct the cross-sections and model layer chemical contour maps are presented in Table D.4-1 for perchlorate and Table D.4-2 for RDX. The model layer ASCII text files were then imported into SURFER, and interpolated using SURFER's Natural Neighbor algorithm. This technique allows for the generation of estimated concentrations for each model cell between the contour lines.

The mass of perchlorate initialized in the model as a result of importing the individual plume shell layers was approximately 29.5 pounds. The mass of RDX initialized in the model was approximately 3 pounds. The perchlorate and RDX mass includes concentrations contoured down to their appropriate reporting limits. Plan views of the perchlorate and RDX plume shells are presented in Figures D.4-1 and D.4-2, respectively.

D.4.1.6 Mass Loading

As indicated in the previous section, the model was initialized with approximately 13 Kg of perchlorate and 1.4 Kg of RDX. If the source term for perchlorate was terminated in 2003, the SESOIL model predicts source depletion by 2008/2009. The leading edge of the contamination would reach the canal in approximately 4 years upon entering the water table. As such, the transport models did not simulate a continuing release to groundwater.

D.5.1. Perchlorate and RDX Plume Migration

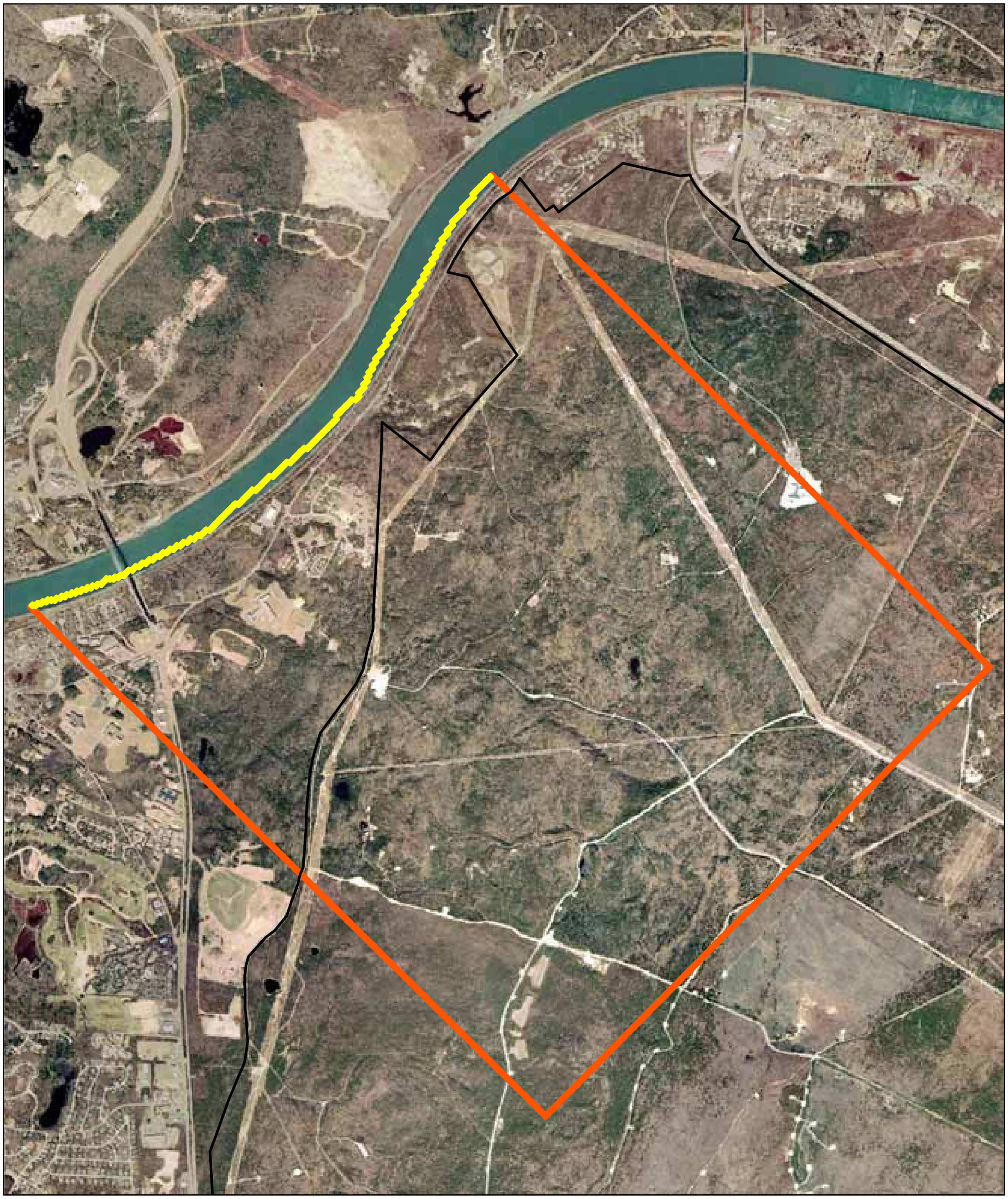
The MT3D transport model was run using a steady-state flow model. The perchlorate model was run for 10 years and the RDX transport model was to run 20 years (both starting effectively in January 2007). Time series plots of model results are presented in Figure D.5-1 and D.5-2 for perchlorate and RDX, respectively. The 2 μg/L isopleth currently extends approximately 500 feet upgradient of the MW-279 well cluster. The transport model indicates that by Year 5, all concentrations of perchlorate would be below 2 μg/L within the Northwest Corner study area. There would be approximately 1.82 Kg of perchlorate remaining in the aquifer at a concentration below 2 μg/L. This translates to a removal of approximately 87% of the starting mass. The transport model similarly indicates that by Year 7, all concentrations of perchlorate would be below the reporting limit of 0.35 μg/L. There would be less than 0.23 Kg of perchlorate remaining in the aquifer, at a concentration below the reporting limit.

SESOIL leaching analysis indicates that the July 2003 release may continue to have an impact on groundwater until 2008/2009 within the source area. As such, the estimated time of perchlorate cleanup below 2 μg/L by MNA may require an additional 2 years beyond the 5 year time frame predicted in the transport model.

The RDX plume is much deeper in the aquifer than the perchlorate plume, and is also much narrower. At its widest point, it measures approximately 200 feet wide (see Figures B-9 and D.4-2). Transport model simulations indicate that concentrations of RDX would be below 2 μg/L by Year 5, (approximately 2012) and that 1.13 Kg of RDX would remain in the aquifer at concentrations below 2 μg/L. By Year 16, concentrations of RDX in the aquifer would be below 0.6 μg/L and the mass of RDX in the aquifer would be slightly greater than 0.34 Kg. This represents an approximately 80% reduction of the initial starting mass, which is discharged to the canal (see Figure D.5-2).

APPENDIX D

Figures



Legend

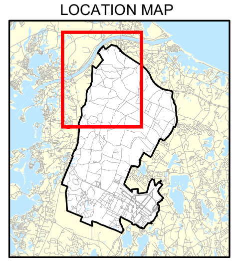
Model Boundary Conditions

Constant Head Boundary

General Head Boundary

MMR Boundary

LOCATION MAP



0 2,000 Feet

NOTES & SOURCES
Base Data from US Geological Survey
7 1/2 minute Topgraphic Maps
Source: MassGIS
Aerial Photos: Color Digital Orthophotos
Date Flown 2001. Source: MassGIS

US Army Corps of Engineers
New England District

Impact Area
Groundwater Study Program

Subregional Model Domain
Northwest Corner Feasibility Study

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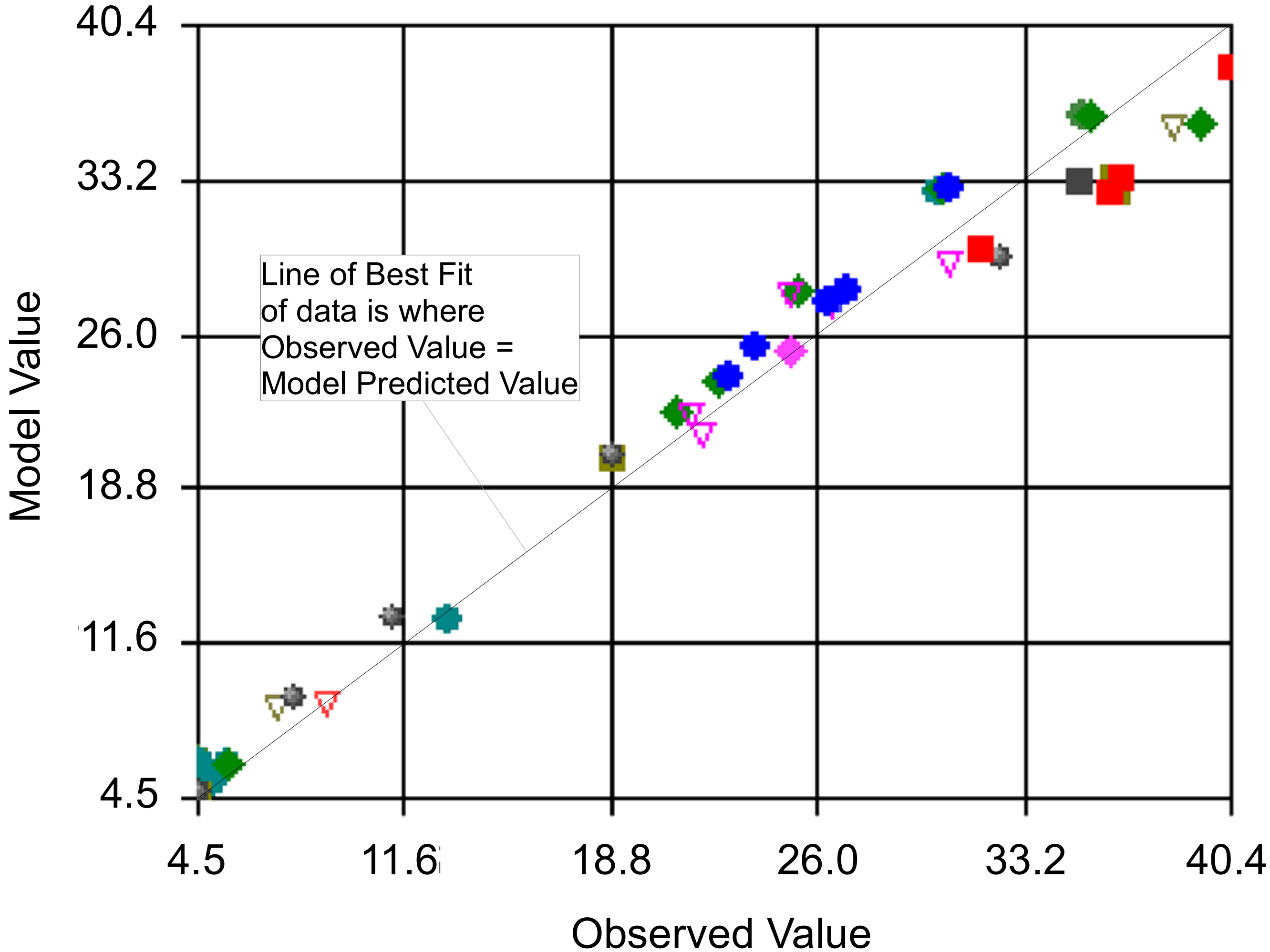
September 5, 2007 DWN: MTW CHKD: MRK SEG

DRAFT

FIGURE
D.2-1

Impact Area
Groundwater Study Program

Observed vs. Computed Target Values



LEGEND
Layer 3
Layer 4
Layer 5
Layer 6
Layer 7
Layer 8
Layer 9
Layer 12
Layer 13
Layer 14
Layer 15
Layer 16
Layer 17

TITLE

Northwest Corner
Groundwater Remedial Investigation
Measured Versus Model Predicted
Water Levels

US Army Corps of Engineers
New England District

DRAFT

FIGURE D.2-2

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September 13, 2007 DWN: MTW CHKD: MRK SEG

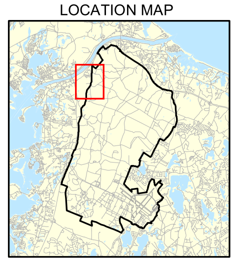
LEGEND

- Existing Monitoring Well
- Community Water Supply Well
- Residential Well
- Gun Position

RDX in Groundwater (November 2006)

- ND to 0.6 µg/L
- 0.6 to 2 µg/L
- 2 to 20 µg/L
- Forward Particle Track
- GW Elevation Contours Northwest Corner Subregional Model (In Feet Above NGVD)

LOCATION MAP



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NOTES & SOURCES
Base Data from US Geological Survey
7 1/2 minute Topgraphic Maps
Source: MassGIS
Aerial Photos: Color Digital Orthophotos
Date Flown 2001. Source: MassGIS

US Army Corps of Engineers New England District

Impact Area Groundwater Study Program

RDX Plume Orientation in Relationship to Particle Track Trajectory
Northwest Corner Feasibility Study

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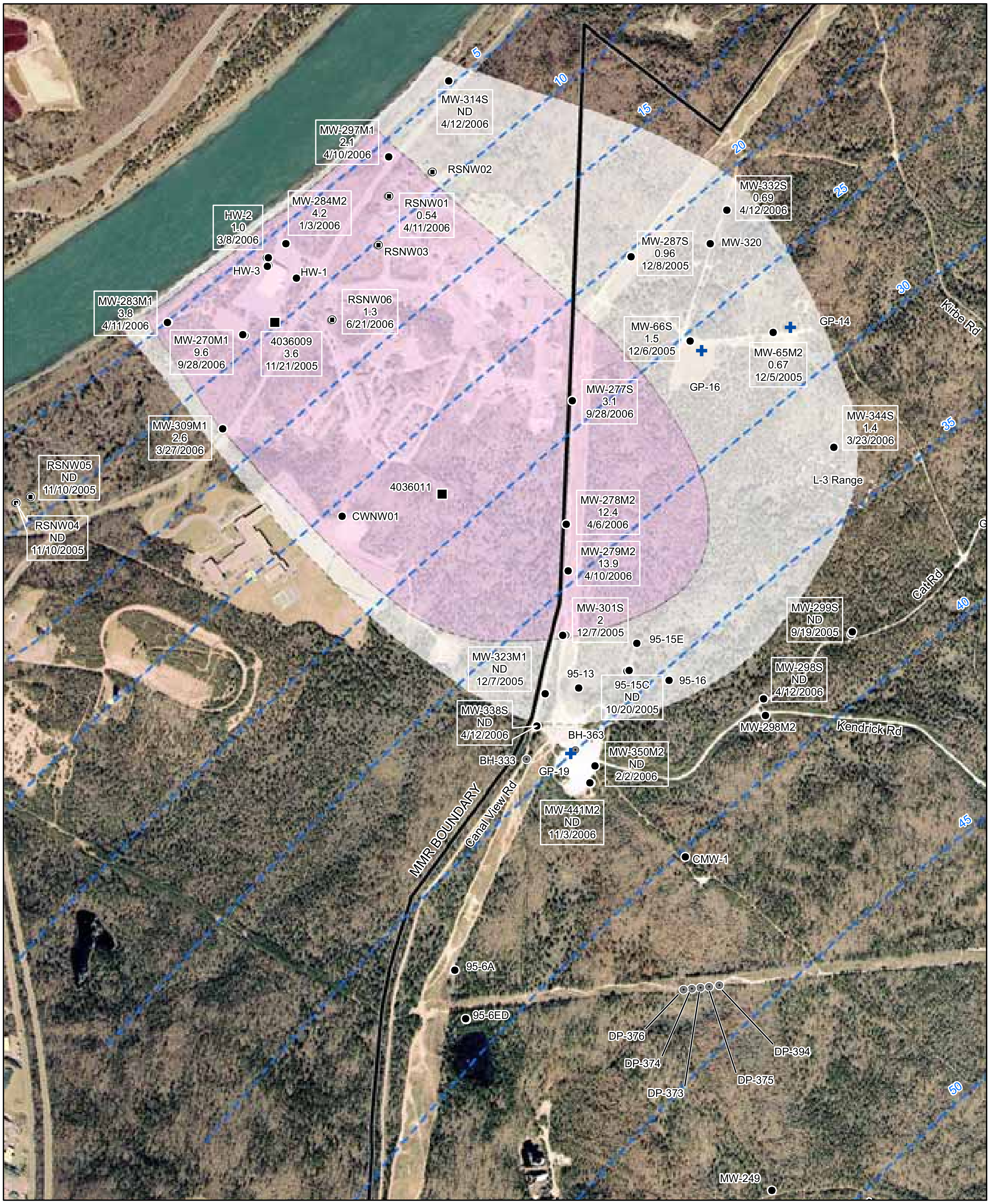
September 13, 2007 DWN: MTW CHKD: MRK SEG

DRAFT

FIGURE
D.3-1



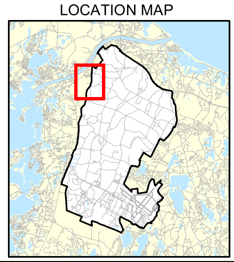
LEGEND

- Existing Monitoring Well
- Community Water Supply Well
- Residential Well
- Gun Position

Perchlorate in Groundwater (As of 11/3/06)

- ND to 2 µg/L
- 2 to 24 µg/L
- L-3 Range
- GW Elevation Contours Northwest Corner Subregional Model (In Feet Above NGVD)

LOCATION MAP



N

0 700 Feet

NOTES & SOURCES
Base Data from US Geological Survey
7 1/2 minute Topgraphic Maps
Source: MassGIS
Aerial Photos: Color Digital Orthophotos
Date Flown 2001. Source: MassGIS

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New England District

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Perchlorate Concentration in Groundwater
Northwest Corner

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September 13, 2007 DWN: MTW CHKD: MRK SEG

FIGURE
DRAFT D.4-1

LEGEND

Residential Well

Existing Monitoring Well

Community Water Supply Well

Gun Position

RDX in Groundwater (As of 11/3/06)

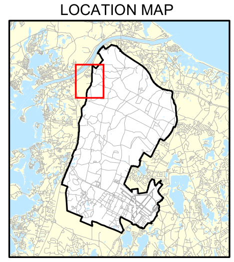
ND to 0.6 µg/L

0.6 to 2 µg/L

2 to 20 µg/L

GW Elevation Contours
Northwest Corner
Subregional Model
(In Feet Above NGVD)

LOCATION MAP



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NOTES & SOURCES
Base Data from US Geological Survey
7 1/2 minute Topgraphic Maps
Source: MassGIS
Aerial Photos: Color Digital Orthophotos
Date Flown 2001. Source: MassGIS

US Army Corps of Engineers
New England District

Impact Area
Groundwater Study Program

RDX Concentration in Groundwater
Northwest Corner

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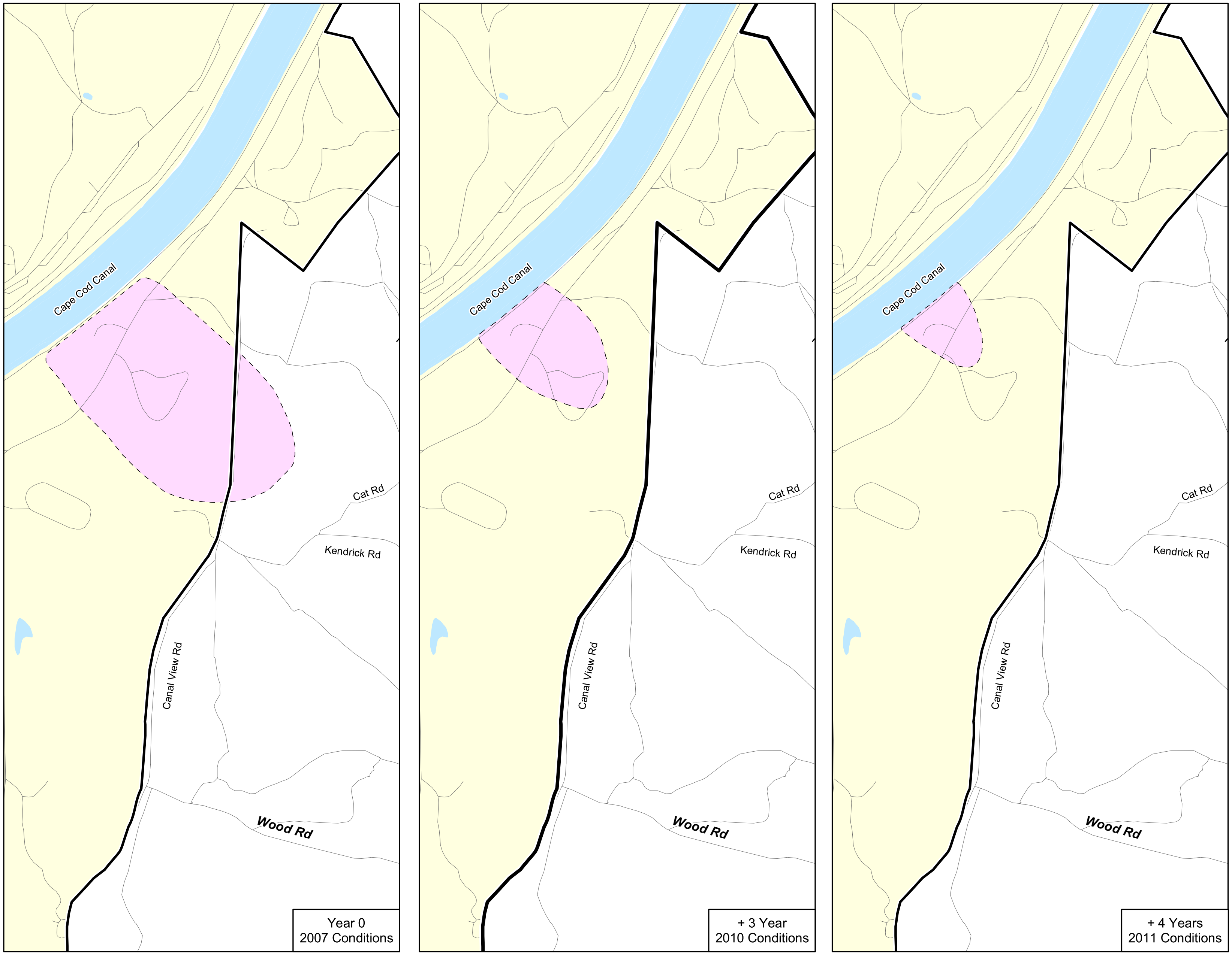
September 13, 2007 DWN: MTW CHKD: MRK SEG

FIGURE
DRAFT D.4-2



Impact Area
Groundwater Study Program

LEGEND

Perchlorate in Groundwater

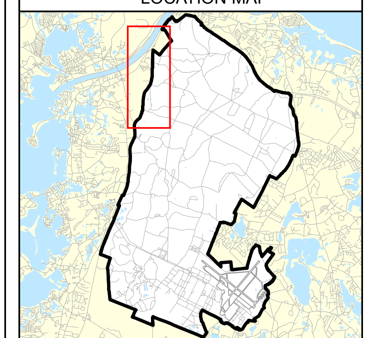
2 to 24 µg/L

MMR Boundary

Roads

Note: Plume shell illustrated is representative of widest observed at each transect cross-section.
Groundwater data through November 2006.
Contour lines dashed where inferred.

LOCATION MAP



NOTES & SOURCES

Basemap data from US Geological Survey 7 1/2 minute Topographic Maps. Source: MassGIS
Aerial Photos: Color Digital Orthophotos:
Date Flown: 2002 Source: EarthData International

TITLE

Time Series Plots for Perchlorate
Based on November 2006 Plumeshell
Northwest Corner RI/FS

0 1,500
Feet

N

US Army Corps
of Engineers
New England District

DRAFT

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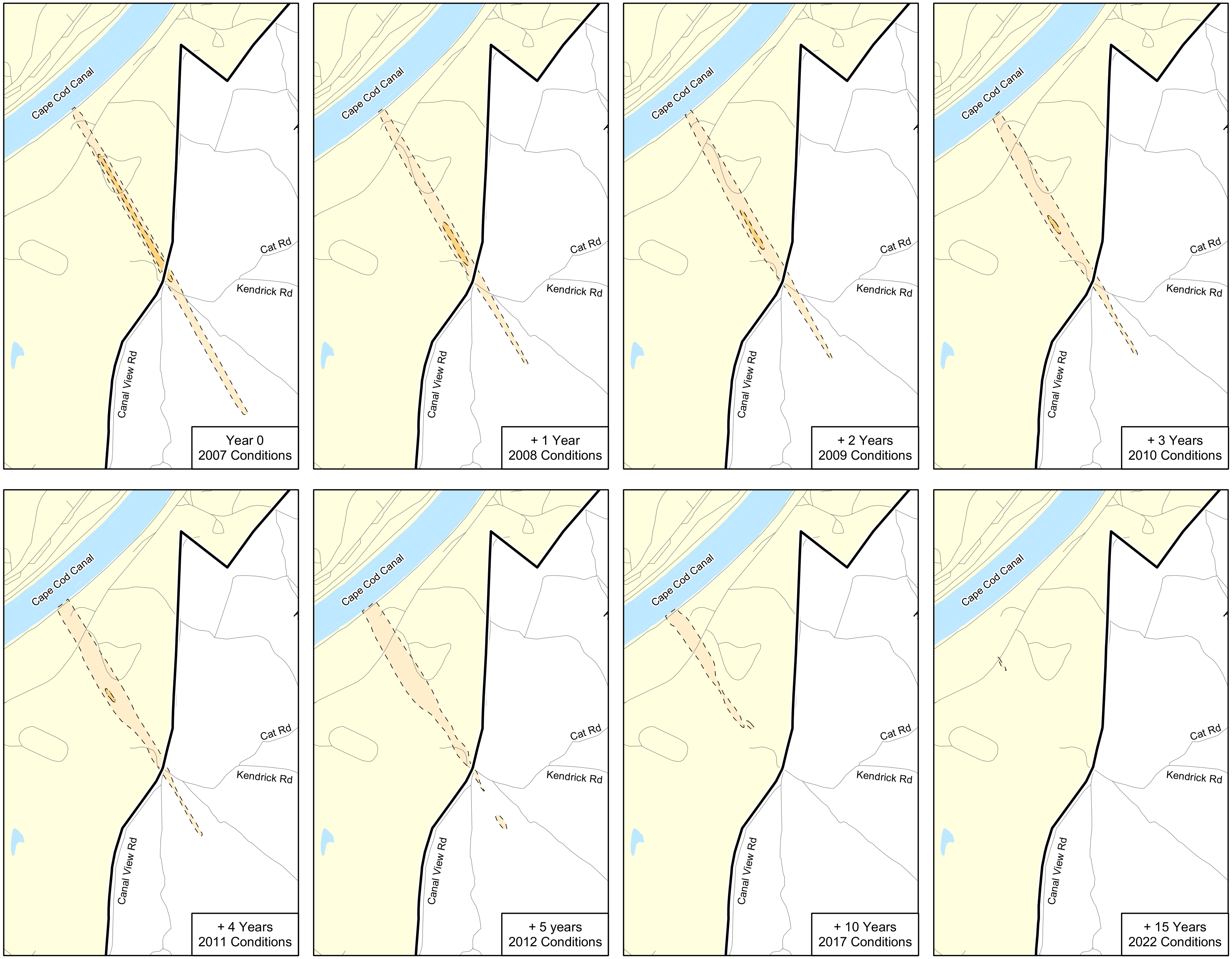
September 13, 2007 DWN: MTW CHKD: MRK SEG

FIGURE
D.5-1



Impact Area Groundwater Study Program

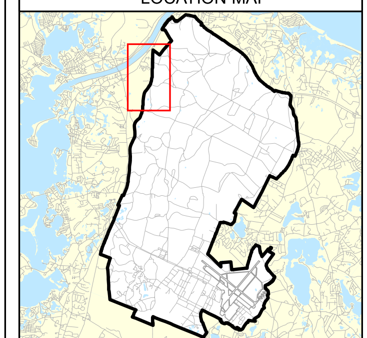
LEGEND

RDX in Groundwater

- 0.6 to 2 µg/L
- 2 to 20 µg/L
- MMR Boundary
- Roads

Note: Plume shell illustrated is representative of widest observed at each transect cross-section.
Groundwater data through November 2006.
Contour lines dashed where inferred.

LOCATION MAP



NOTES & SOURCES

Basemap data from US Geological Survey 7 1/2 minute Topographic Maps. Source: MassGIS
Aerial Photos: Color Digital Orthophotos:
Date Flown: 2002 Source: EarthData International

TITLE

Time Series Plots for RDX
Based on November 2006 Plumeshell
Northwest Corner RI/FS

0 2,000
Feet

US Army Corps of Engineers
New England District

DRAFT

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September 13, 2007 DWN: MTW CHKD: MRK SEG

FIGURE
D.5-2

APPENDIX D

Tables

Table D.2-1
Model Layer Top and Bottom Elevations

Model Layer	Top of Layer (ft MSL)	Bottom of Layer (ft MSL)
1	60	50
2	50	40
3	40	30
4	30	20
5	20	10
6	10	0
7	0	-10
8	-10	-20
9	-20	-30
10	-30	-40
11	-40	-50
12	-50	-60
13	-60	-70
14	-70	-80
15	-80	-90
16	-90	-100
17	-100	-110
18	-110	Variable (max -140)
19	-140	Variable (max. -190)
20	No-Flow	N/A

Table D.2-2
Water Levels Used in Developing Model Calibration Statistics

Well	Northing (UTM -m) 1983	Easting (UTM - m) 1983	Ground Surface Elevation (ft NGVD) - 1929	Top of Casing Elevation (ft NGVD) - 1929	Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Depth to Water (ft btc)	Groundwater Elevation (ft NGVD) -1929	Measurement Date	Minimum Water Level (ft NGVD) - 1929	Maximum Water Level (ft NGVD) - 1929	Average Water Level (ft NGVD) - 1929	Midpoint of Screen (ft NGVD) - 1929	Model Layer
MW-270D	4623177.5	368703.03	30.52	30.1	132	137	22.7	7.4	4/11/06	6.83	7.48	7.19	-103.98	17
MW-270D	4623177.5	368703.03	30.52	30.1	132	137	22.38	7.72	1/13/06					
MW-270D	4623177.5	368703.03	30.52	30.1	132	137	22.16	7.94	12/12/05					
MW-270D	4623177.5	368703.03	30.52	30.1	132	137	22.66	7.44	9/1/05					
MW-270D	4623177.5	368703.03	30.52	30.1	132	137	22.54	7.56	6/8/05					
MW-270D	4623177.5	368703.03	30.52	30.1	132	137	23.25	6.85	2/10/05					
MW-270D	4623177.5	368703.03	30.52	30.1	132	137	23.12	6.98	4/29/04					
MW-270D	4623177.5	368703.03	30.52	30.1	132	137	23.1	7	1/6/04					
MW-270D	4623177.5	368703.03	30.52	30.1	132	137	23.13	6.97	9/30/03					
MW-270D	4623177.5	368703.03	30.52	30.1	132	137	23.04	7.06	6/16/03					
MW-270M1	4623177	368703.03	30.52	30.08	74	79	22.8	7.28	9/28/06	6.8	24.59	8.94	-45.98	12
MW-270M1	4623177	368703.03	30.52	30.08	74	79	22.8	7.28	9/28/06					
MW-270M1	4623177	368703.03	30.52	30.08	74	79	22.94	7.14	4/11/06					
MW-270M1	4623177	368703.03	30.52	30.08	74	79	22.84	7.24	1/13/06					
MW-270M1	4623177	368703.03	30.52	30.08	74	79	22.6	7.48	12/12/05					
MW-270M1	4623177	368703.03	30.52	30.08	74	79	22.92	7.16	9/1/05					
MW-270M1	4623177	368703.03	30.52	30.08	74	79	22.67	7.41	6/8/05					
MW-270M1	4623177	368703.03	30.52	30.08	74	79	23.25	6.83	2/10/05					
MW-270M1	4623177	368703.03	30.52	30.08	74	79	23.43	6.65	4/29/04					
MW-270M1	4623177	368703.03	30.52	30.08	74	79	23.2	6.88	1/6/04					
MW-270M1	4623177	368703.03	30.52	30.08	74	79	23.28	6.8	9/30/03					
MW-270M1	4623177	368703.03	30.52	30.08	74	79	23.11	6.97	6/16/03					
MW-270M1	4623177	368703.03	30.52	30.08	74	79	23.11	6.97	6/16/03					
MW-270S	4623177.5	368703.16	30.52	30.07	22	32	21.89	8.18	1/13/06	7.27	9.55	7.88	3.52	6
MW-270S	4623177.5	368703.16	30.52	30.07	22	32	22.5	7.57	12/12/05					
MW-270S	4623177.5	368703.16	30.52	30.07	22	32	21.65	8.42	9/1/05					
MW-270S	4623177.5	368703.16	30.52	30.07	22	32	20.52	9.55	6/8/05					
MW-270S	4623177.5	368703.16	30.52	30.07	22	32	22.8	7.27	2/10/05					
MW-270S	4623177.5	368703.16	30.52	30.07	22	32	22.32	7.75	4/29/04					
MW-270S	4623177.5	368703.16	30.52	30.07	22	32	22.8	7.27	1/6/04					
MW-270S	4623177.5	368703.16	30.52	30.07	22	32	22.68	7.39	9/30/03					
MW-270S	4623177.5	368703.16	30.52	30.07	22	32	22.52	7.55	6/16/03					
MW-277M1	4623030.5	369437.16	127.73	127.15	130	140	102.56	24.59	4/6/06	21.22	24.59	22.60	-7.27	7
MW-277M1	4623030.5	369437.16	127.73	127.15	130	140	103.5	23.65	12/28/05					
MW-277M1	4623030.5	369437.16	127.73	127.15	130	140	102.9	24.25	7/19/05					
MW-277M1	4623030.5	369437.16	127.73	127.15	130	140	103.25	23.9	5/25/05					
MW-277M1	4623030.5	369437.16	127.73	127.15	130	140	105.93	21.22	12/14/04					
MW-277M1	4623030.5	369437.16	127.73	127.15	130	140	105.63	21.52	11/2/04					
MW-277M1	4623030.5	369437.16	127.73	127.15	130	140	105.19	21.96	8/4/04					
MW-277M1	4623030.5	369437.16	127.73	127.15	130	140	104.95	22.2	7/7/04					
MW-277M1	4623030.5	369437.16	127.73	127.15	130	140	104.95	22.2	6/9/04					
MW-277M1	4623030.5	369437.16	127.73	127.15	130	140	105.07	22.08	5/12/04					
MW-277M1	4623030.5	369437.16	127.73	127.15	130	140	105.28	21.87	4/14/04					
MW-277M1	4623030.5	369437.16	127.73	127.15	130	140	105.06	22.09	3/17/04					
MW-277M1	4623030.5	369437.16	127.73	127.15	130	140	105.4	21.75	2/17/04					
MW-277M1	4623030.5	369437.16	127.73	127.15	130	140	104.84	22.31	12/5/03					
MW-277M1	4623030.5	369437.16	127.73	127.15	130	140	103.7	23.45	7/9/03					
MW-277S	4623030.5	369437.41	127.73	127.21	102	112	102.05	25.16	9/28/06	21.22	25.16	22.95	20.73	4
MW-277S	4623030.5	369437.41	127.73	127.21	102	112	102.69	24.52	4/10/06					
MW-277S	4623030.5	369437.41	127.73	127.21	102	112	103.28	23.93	1/13/06					

Table D.2-2
Water Levels Used in Developing Model Calibration Statistics

Well	Northing (UTM -m) 1983	Easting (UTM - m) 1983	Ground Surface Elevation (ft NGVD) - 1929	Top of Casing Elevation (ft NGVD) - 1929	Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Depth to Water (ft btc)	Groundwater Elevation (ft NGVD) -1929	Measurement Date	Minimum Water Level (ft NGVD) - 1929	Maximum Water Level (ft NGVD) - 1929	Average Water Level (ft NGVD) - 1929	Midpoint of Screen (ft NGVD) - 1929	Model Layer
MW-277S	4623030.5	369437.41	127.73	127.21	102	112	103.6	23.61	12/28/05					
MW-277S	4623030.5	369437.41	127.73	127.21	102	112	103.7	23.51	12/5/05					
MW-277S	4623030.5	369437.41	127.73	127.21	102	112	103.75	23.46	10/27/05					
MW-277S	4623030.5	369437.41	127.73	127.21	102	112	103.4	23.81	9/16/05					
MW-277S	4623030.5	369437.41	127.73	127.21	102	112	103.31	23.9	8/26/05					
MW-277S	4623030.5	369437.41	127.73	127.21	102	112	102.87	24.34	7/19/05					
MW-277S	4623030.5	369437.41	127.73	127.21	102	112	102.89	24.32	6/20/05					
MW-277S	4623030.5	369437.41	127.73	127.21	102	112	103.3	23.91	5/25/05					
MW-277S	4623030.5	369437.41	127.73	127.21	102	112	103.95	23.26	4/27/05					
MW-277S	4623030.5	369437.41	127.73	127.21	102	112	104.96	22.25	3/22/05					
MW-277S	4623030.5	369437.41	127.73	127.21	102	112	105.51	21.7	2/17/05					
MW-277S	4623030.5	369437.41	127.73	127.21	102	112	105.99	21.22	12/14/04					
MW-277S	4623030.5	369437.41	127.73	127.21	102	112	105.68	21.53	11/2/04					
MW-277S	4623030.5	369437.41	127.73	127.21	102	112	105.19	22.02	8/4/04					
MW-277S	4623030.5	369437.41	127.73	127.21	102	112	105	22.21	7/7/04					
MW-277S	4623030.5	369437.41	127.73	127.21	102	112	104.99	22.22	6/9/04					
MW-277S	4623030.5	369437.41	127.73	127.21	102	112	105.16	22.05	5/12/04					
MW-277S	4623030.5	369437.41	127.73	127.21	102	112	105.32	21.89	4/14/04					
MW-277S	4623030.5	369437.41	127.73	127.21	102	112	105.3	21.91	3/17/04					
MW-277S	4623030.5	369437.41	127.73	127.21	102	112	105	22.21	2/18/04					
MW-277S	4623030.5	369437.41	127.73	127.21	102	112	105.03	22.18	1/20/04					
MW-277S	4623030.5	369437.41	127.73	127.21	102	112	105	22.21	12/12/03					
MW-277S	4623030.5	369437.41	127.73	127.21	102	112	103.73	23.48	7/10/03					
MW-278M1	4622755.5	369423.41	114	113.36	113.17	123.17	85.94	27.42	4/6/06	23.61	27.42	25.27	-4.17	7
MW-278M1	4622755.5	369423.41	114	113.36	113.17	123.17	86.73	26.63	1/13/06					
MW-278M1	4622755.5	369423.41	114	113.36	113.17	123.17	87.1	26.26	12/27/05					
MW-278M1	4622755.5	369423.41	114	113.36	113.17	123.17	86.28	27.08	7/20/05					
MW-278M1	4622755.5	369423.41	114	113.36	113.17	123.17	86.92	26.44	5/25/05					
MW-278M1	4622755.5	369423.41	114	113.36	113.17	123.17	89.75	23.61	12/14/04					
MW-278M1	4622755.5	369423.41	114	113.36	113.17	123.17	89.53	23.83	11/3/04					
MW-278M1	4622755.5	369423.41	114	113.36	113.17	123.17	88.87	24.49	8/4/04					
MW-278M1	4622755.5	369423.41	114	113.36	113.17	123.17	88.66	24.7	7/7/04					
MW-278M1	4622755.5	369423.41	114	113.36	113.17	123.17	88.65	24.71	6/9/04					
MW-278M1	4622755.5	369423.41	114	113.36	113.17	123.17	88.74	24.62	5/12/04					
MW-278M1	4622755.5	369423.41	114	113.36	113.17	123.17	89	24.36	4/14/04					
MW-278M1	4622755.5	369423.41	114	113.36	113.17	123.17	88.91	24.45	3/17/04					
MW-278M1	4622755.5	369423.41	114	113.36	113.17	123.17	88.53	24.83	2/18/04					
MW-278M1	4622755.5	369423.41	114	113.36	113.17	123.17	88.66	24.7	12/3/03					
MW-278M1	4622755.5	369423.41	114	113.36	113.17	123.17	87.24	26.12	7/15/03					
MW-278M2	4622755	369423.41	114	113.36	97.12	102.12	85.97	27.39	4/6/06	23.63	27.39	25.06	14.38	5
MW-278M2	4622755	369423.41	114	113.36	97.12	102.12	87.22	26.14	12/27/05					
MW-278M2	4622755	369423.41	114	113.36	97.12	102.12	86.3	27.06	7/20/05					
MW-278M2	4622755	369423.41	114	113.36	97.12	102.12	86.93	26.43	5/25/05					
MW-278M2	4622755	369423.41	114	113.36	97.12	102.12	87.66	25.7	4/26/05					
MW-278M2	4622755	369423.41	114	113.36	97.12	102.12	88.74	24.62	3/22/05					
MW-278M2	4622755	369423.41	114	113.36	97.12	102.12	89.29	24.07	2/17/05					
MW-278M2	4622755	369423.41	114	113.36	97.12	102.12	89.73	23.63	12/14/04					
MW-278M2	4622755	369423.41	114	113.36	97.12	102.12	89.48	23.88	11/3/04					
MW-278M2	4622755	369423.41	114	113.36	97.12	102.12	88.96	24.4	8/4/04					
MW-278M2	4622755	369423.41	114	113.36	97.12	102.12	88.68	24.68	7/7/04					
MW-278M2	4622755	369423.41	114	113.36	97.12	102.12	88.68	24.68	6/9/04					
MW-278M2	4622755	369423.41	114	113.36	97.12	102.12	88.74	24.62	5/12/04					

Table D.2-2
Water Levels Used in Developing Model Calibration Statistics

Well	Northing (UTM -m) 1983	Easting (UTM - m) 1983	Ground Surface Elevation (ft NGVD) - 1929	Top of Casing Elevation (ft NGVD) - 1929	Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Depth to Water (ft btc)	Groundwater Elevation (ft NGVD) -1929	Measurement Date	Minimum Water Level (ft NGVD) - 1929	Maximum Water Level (ft NGVD) - 1929	Average Water Level (ft NGVD) - 1929	Midpoint of Screen (ft NGVD) - 1929	Model Layer
MW-278M2	4622755	369423.41	114	113.36	97.12	102.12	88.9	24.46	4/14/04					
MW-278M2	4622755	369423.41	114	113.36	97.12	102.12	88.9	24.46	3/17/04					
MW-278M2	4622755	369423.41	114	113.36	97.12	102.12	88.75	24.61	2/19/04					
MW-278M2	4622755	369423.41	114	113.36	97.12	102.12	88.83	24.53	1/20/04					
MW-278M2	4622755	369423.41	114	113.36	97.12	102.12	88.7	24.66	12/3/03					
MW-278M2	4622755	369423.41	114	113.36	97.12	102.12	87.21	26.15	7/16/03					
MW-278S	4622755	369423.53	114	113.38	80.17	90.17	85.5	27.88	9/28/06	26.12	27.88	27.00	28.83	4
MW-278S	4622755	369423.53	114	113.38	80.17	90.17	0	N/A	1/13/06					
MW-278S	4622755	369423.53	114	113.38	80.17	90.17	0	N/A	12/27/05					
MW-278S	4622755	369423.53	114	113.38	80.17	90.17	0	N/A	12/5/05					
MW-278S	4622755	369423.53	114	113.38	80.17	90.17	0	N/A	10/27/05					
MW-278S	4622755	369423.53	114	113.38	80.17	90.17	0	N/A	9/16/05					
MW-278S	4622755	369423.53	114	113.38	80.17	90.17	0	N/A	8/26/05					
MW-278S	4622755	369423.53	114	113.38	80.17	90.17	0	N/A	7/20/05					
MW-278S	4622755	369423.53	114	113.38	80.17	90.17	87.26	26.12	7/18/03					
MW-279M1	4622651.5	369427.78	102.68	102.08	96.1	106.1	67.2	34.88	4/10/06	30.84	34.88	32.46	1.58	6
MW-279M1	4622651.5	369427.78	102.68	102.08	96.1	106.1	68.3	33.78	12/28/05					
MW-279M1	4622651.5	369427.78	102.68	102.08	96.1	106.1	67.74	34.34	7/19/05					
MW-279M1	4622651.5	369427.78	102.68	102.08	96.1	106.1	68.56	33.52	5/25/05					
MW-279M1	4622651.5	369427.78	102.68	102.08	96.1	106.1	71.24	30.84	12/14/04					
MW-279M1	4622651.5	369427.78	102.68	102.08	96.1	106.1	70.92	31.16	11/2/04					
MW-279M1	4622651.5	369427.78	102.68	102.08	96.1	106.1	70.25	31.83	8/4/04					
MW-279M1	4622651.5	369427.78	102.68	102.08	96.1	106.1	70.08	32	7/7/04					
MW-279M1	4622651.5	369427.78	102.68	102.08	96.1	106.1	70	32.08	6/9/04					
MW-279M1	4622651.5	369427.78	102.68	102.08	96.1	106.1	70.1	31.98	5/12/04					
MW-279M1	4622651.5	369427.78	102.68	102.08	96.1	106.1	70.27	31.81	4/14/04					
MW-279M1	4622651.5	369427.78	102.68	102.08	96.1	106.1	70.18	31.9	3/17/04					
MW-279M1	4622651.5	369427.78	102.68	102.08	96.1	106.1	69.85	32.23	2/18/04					
MW-279M1	4622651.5	369427.78	102.68	102.08	96.1	106.1	70.02	32.06	12/10/03					
MW-279M1	4622651.5	369427.78	102.68	102.08	96.1	106.1	58.6	43.48	7/30/03					
MW-279M2	4622651.5	369427.78	102.68	102.12	83.1	88.1	69.28	32.84	4/10/06	28.83	32.84	30.62	17.08	5
MW-279M2	4622651.5	369427.78	102.68	102.12	83.1	88.1	69.8	32.32	12/28/05					
MW-279M2	4622651.5	369427.78	102.68	102.12	83.1	88.1	69.41	32.71	7/19/05					
MW-279M2	4622651.5	369427.78	102.68	102.12	83.1	88.1	69.4	32.72	5/25/05					
MW-279M2	4622651.5	369427.78	102.68	102.12	83.1	88.1	72.15	29.97	2/17/05					
MW-279M2	4622651.5	369427.78	102.68	102.12	83.1	88.1	73.29	28.83	12/14/04					
MW-279M2	4622651.5	369427.78	102.68	102.12	83.1	88.1	72.98	29.14	11/2/04					
MW-279M2	4622651.5	369427.78	102.68	102.12	83.1	88.1	72.25	29.87	8/4/04					
MW-279M2	4622651.5	369427.78	102.68	102.12	83.1	88.1	71.98	30.14	7/7/04					
MW-279M2	4622651.5	369427.78	102.68	102.12	83.1	88.1	71.8	30.32	6/9/04					
MW-279M2	4622651.5	369427.78	102.68	102.12	83.1	88.1	71.78	30.34	5/12/04					
MW-279M2	4622651.5	369427.78	102.68	102.12	83.1	88.1	72.28	29.84	4/14/04					
MW-279M2	4622651.5	369427.78	102.68	102.12	83.1	88.1	72.12	30	3/17/04					
MW-279M2	4622651.5	369427.78	102.68	102.12	83.1	88.1	71.65	30.47	2/19/04					
MW-279M2	4622651.5	369427.78	102.68	102.12	83.1	88.1	72.36	29.76	12/10/03					
MW-279M2	4622651.5	369427.78	102.68	102.12	83.1	88.1	56.2	45.92	7/30/03					
MW-279S	4622651.5	369427.91	102.68	102.09	66.1	76.1	69.62	32.47	9/28/06	29.55	32.99	31.69	31.58	3
MW-279S	4622651.5	369427.91	102.68	102.09	66.1	76.1	69.8	32.29	4/10/06					
MW-279S	4622651.5	369427.91	102.68	102.09	66.1	76.1	69.99	32.1	1/13/06					
MW-279S	4622651.5	369427.91	102.68	102.09	66.1	76.1	70.32	31.77	12/28/05					

Table D.2-2
Water Levels Used in Developing Model Calibration Statistics

Well	Northing (UTM -m) 1983	Easting (UTM - m) 1983	Ground Surface Elevation (ft NGVD) - 1929	Top of Casing Elevation (ft NGVD) - 1929	Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Depth to Water (ft btc)	Groundwater Elevation (ft NGVD) -1929	Measurement Date	Minimum Water Level (ft NGVD) - 1929	Maximum Water Level (ft NGVD) - 1929	Average Water Level (ft NGVD) - 1929	Midpoint of Screen (ft NGVD) - 1929	Model Layer
MW-279S	4622651.5	369427.91	102.68	102.09	66.1	76.1	70.6	31.49	12/5/05					
MW-279S	4622651.5	369427.91	102.68	102.09	66.1	76.1	71.21	30.88	10/27/05					
MW-279S	4622651.5	369427.91	102.68	102.09	66.1	76.1	71	31.09	9/16/05					
MW-279S	4622651.5	369427.91	102.68	102.09	66.1	76.1	70.6	31.49	8/26/05					
MW-279S	4622651.5	369427.91	102.68	102.09	66.1	76.1	69.85	32.24	7/19/05					
MW-279S	4622651.5	369427.91	102.68	102.09	66.1	76.1	69.1	32.99	6/20/05					
MW-279S	4622651.5	369427.91	102.68	102.09	66.1	76.1	69.8	32.29	5/25/05					
MW-279S	4622651.5	369427.91	102.68	102.09	66.1	76.1	69.38	32.71	4/27/05					
MW-279S	4622651.5	369427.91	102.68	102.09	66.1	76.1	70.09	32	3/22/05					
MW-279S	4622651.5	369427.91	102.68	102.09	66.1	76.1	72.54	29.55	12/14/04					
MW-279S	4622651.5	369427.91	102.68	102.09	66.1	76.1	70.25	31.84	8/4/04					
MW-279S	4622651.5	369427.91	102.68	102.09	66.1	76.1	71	31.09	4/15/04					
MW-279S	4622651.5	369427.91	102.68	102.09	66.1	76.1	71.86	30.23	2/19/04					
MW-279S	4622651.5	369427.91	102.68	102.09	66.1	76.1	70.13	31.96	1/20/04					
MW-279S	4622651.5	369427.91	102.68	102.09	66.1	76.1	56	46.09	7/30/03					
MW-283M1	4623204.5	368535.41	13.63	12.91	38	48	7.05	5.86	10/9/06	3.36	5.91	4.95	-29.37	9
MW-283M1	4623204.5	368535.41	13.63	12.91	38	48	7.75	5.16	4/11/06					
MW-283M1	4623204.5	368535.41	13.63	12.91	38	48	7.86	5.05	1/9/06					
MW-283M1	4623204.5	368535.41	13.63	12.91	38	48	7.48	5.43	9/19/05					
MW-283M1	4623204.5	368535.41	13.63	12.91	38	48	7	5.91	6/17/05					
MW-283M1	4623204.5	368535.41	13.63	12.91	38	48	7.77	5.14	2/9/05					
MW-283M1	4623204.5	368535.41	13.63	12.91	38	48	8.33	4.58	3/22/04					
MW-283M1	4623204.5	368535.41	13.63	12.91	38	48	9.55	3.36	12/2/03					
MW-283M1	4623204.5	368535.41	13.63	12.91	38	48	8.88	4.03	9/16/03					
MW-284M1	4623380.5	368799.16	28.4	27.94	115	125	23.17	4.77	4/11/06	3.49	5.42	4.47	-91.6	16
MW-284M1	4623380.5	368799.16	28.4	27.94	115	125	22.52	5.42	1/13/06					
MW-284M1	4623380.5	368799.16	28.4	27.94	115	125	22.81	5.13	1/3/06					
MW-284M1	4623380.5	368799.16	28.4	27.94	115	125	23.31	4.63	9/19/05					
MW-284M1	4623380.5	368799.16	28.4	27.94	115	125	24	3.94	6/10/05					
MW-284M1	4623380.5	368799.16	28.4	27.94	115	125	24.39	3.55	2/15/05					
MW-284M1	4623380.5	368799.16	28.4	27.94	115	125	23.48	4.46	8/26/04					
MW-284M1	4623380.5	368799.16	28.4	27.94	115	125	23.12	4.82	3/10/04					
MW-284M1	4623380.5	368799.16	28.4	27.94	115	125	23.5	4.44	12/2/03					
MW-284M1	4623380.5	368799.16	28.4	27.94	115	125	24.45	3.49	9/12/03					
MW-284M2	4623380.5	368799.13	28.4	27.93	45	55	22.56	5.37	10/9/06	4.13	5.37	4.64	-21.6	9
MW-284M2	4623380.5	368799.13	28.4	27.93	45	55	23.28	4.65	4/11/06					
MW-284M2	4623380.5	368799.13	28.4	27.93	45	55	22.95	4.98	1/13/06					
MW-284M2	4623380.5	368799.13	28.4	27.93	45	55	22.92	5.01	1/3/06					
MW-284M2	4623380.5	368799.13	28.4	27.93	45	55	22.72	5.21	9/19/05					
MW-284M2	4623380.5	368799.13	28.4	27.93	45	55	23.39	4.54	6/10/05					
MW-284M2	4623380.5	368799.13	28.4	27.93	45	55	23.8	4.13	2/15/05					
MW-284M2	4623380.5	368799.13	28.4	27.93	45	55	23.67	4.26	8/26/04					
MW-284M2	4623380.5	368799.13	28.4	27.93	45	55	23.36	4.57	3/10/04					
MW-284M2	4623380.5	368799.13	28.4	27.93	45	55	23.72	4.21	12/2/03					
MW-284M2	4623380.5	368799.13	28.4	27.93	45	55	23.8	4.13	9/12/03					
MW-287M1	4623352	369567.69	147	153.03	160	170	133.56	19.47	12/8/05	17.64	20.13	18.85	-18	8
MW-287M1	4623352	369567.69	147	153.03	160	170	132.9	20.13	7/20/05					
MW-287M1	4623352	369567.69	147	153.03	160	170	133	20.03	6/13/05					
MW-287M1	4623352	369567.69	147	153.03	160	170	135.39	17.64	1/14/05					
MW-287M1	4623352	369567.69	147	153.03	160	170	134.62	18.41	6/22/04					

Table D.2-2
Water Levels Used in Developing Model Calibration Statistics

Well	Northing (UTM -m) 1983	Easting (UTM - m) 1983	Ground Surface Elevation (ft NGVD) - 1929	Top of Casing Elevation (ft NGVD) - 1929	Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Depth to Water (ft btc)	Groundwater Elevation (ft NGVD) -1929	Measurement Date	Minimum Water Level (ft NGVD) - 1929	Maximum Water Level (ft NGVD) - 1929	Average Water Level (ft NGVD) - 1929	Midpoint of Screen (ft NGVD) - 1929	Model Layer
MW-287M1	4623352	369567.69	147	153.03	160	170	135.26	17.77	3/23/04					
MW-287M1	4623352	369567.69	147	153.03	160	170	134.55	18.48	12/8/03					
MW-287S	4623351.5	369567.78	147	153.11	133	143	133.25	19.86	1/13/06	17.58	20.19	19.03	9	6
MW-287S	4623351.5	369567.78	147	153.11	133	143	133.65	19.46	12/8/05					
MW-287S	4623351.5	369567.78	147	153.11	133	143	132.99	20.12	7/20/05					
MW-287S	4623351.5	369567.78	147	153.11	133	143	132.92	20.19	6/14/05					
MW-287S	4623351.5	369567.78	147	153.11	133	143	135.53	17.58	1/14/05					
MW-287S	4623351.5	369567.78	147	153.11	133	143	134.74	18.37	6/22/04					
MW-287S	4623351.5	369567.78	147	153.11	133	143	135.1	18.01	3/23/04					
MW-287S	4623351.5	369567.78	147	153.11	133	143	134.5	18.61	12/8/03					
MW-297M1	4623574	369028.25	70.02	77.15	92	102	71.42	5.73	4/10/06	4.89	7.22	5.55	-26.98	9
MW-297M1	4623574	369028.25	70.02	77.15	92	102	71.54	5.61	1/13/06					
MW-297M1	4623574	369028.25	70.02	77.15	92	102	71.9	5.25	12/21/05					
MW-297M1	4623574	369028.25	70.02	77.15	92	102	71.57	5.58	9/16/05					
MW-297M1	4623574	369028.25	70.02	77.15	92	102	69.93	7.22	5/25/05					
MW-297M1	4623574	369028.25	70.02	77.15	92	102	72.03	5.12	2/14/05					
MW-297M1	4623574	369028.25	70.02	77.15	92	102	72.04	5.11	6/22/04					
MW-297M1	4623574	369028.25	70.02	77.15	92	102	72.26	4.89	3/23/04					
MW-297M1	4623574	369028.25	70.02	77.15	92	102	71.72	5.43	12/22/03					
MW-297S	4623573.89	369028.52	70.02	77.08	72	82	71.41	5.67	4/10/06	4.93	6.16	5.47	-6.98	7
MW-297S	4623573.89	369028.52	70.02	77.08	72	82	71.2	5.88	1/16/06					
MW-297S	4623573.89	369028.52	70.02	77.08	72	82	71.52	5.56	1/13/06					
MW-297S	4623573.89	369028.52	70.02	77.08	72	82	71.66	5.42	9/19/05					
MW-297S	4623573.89	369028.52	70.02	77.08	72	82	70.92	6.16	5/25/05					
MW-297S	4623573.89	369028.52	70.02	77.08	72	82	72	5.08	2/14/05					
MW-297S	4623573.89	369028.52	70.02	77.08	72	82	71.95	5.13	6/22/04					
MW-297S	4623573.89	369028.52	70.02	77.08	72	82	72.15	4.93	3/23/04					
MW-297S	4623573.89	369028.52	70.02	77.08	72	82	71.68	5.4	12/23/03					
MW-298S	4622331.61	369860.04	125.25	124.41	83	93	81.82	42.59	4/12/06	38.11	42.59	40.37	37.25	3
MW-298S	4622331.61	369860.04	125.25	124.41	83	93	82.93	41.48	1/13/06					
MW-298S	4622331.61	369860.04	125.25	124.41	83	93	83.41	41	12/8/05					
MW-298S	4622331.61	369860.04	125.25	124.41	83	93	82.75	41.66	8/15/05					
MW-298S	4622331.61	369860.04	125.25	124.41	83	93	84.57	39.84	5/12/05					
MW-298S	4622331.61	369860.04	125.25	124.41	83	93	85.33	39.08	8/11/04					
MW-298S	4622331.61	369860.04	125.25	124.41	83	93	85.19	39.22	5/14/04					
MW-298S	4622331.61	369860.04	125.25	124.41	83	93	86.3	38.11	2/11/04					
MW-309M1	4622968.17	368658.26	46.06	45.36	65	75	31.7	13.66	10/9/06	12.07	13.92	13.11	-23.94	9
MW-309M1	4622968.17	368658.26	46.06	45.36	65	75	31.44	13.92	3/27/06					
MW-309M1	4622968.17	368658.26	46.06	45.36	65	75	31.93	13.43	12/13/05					
MW-309M1	4622968.17	368658.26	46.06	45.36	65	75	32.17	13.19	8/25/05					
MW-309M1	4622968.17	368658.26	46.06	45.36	65	75	31.46	13.9	6/10/05					
MW-309M1	4622968.17	368658.26	46.06	45.36	65	75	33.29	12.07	9/15/04					
MW-309M1	4622968.17	368658.26	46.06	45.36	65	75	32.9	12.46	6/15/04					
MW-309M1	4622968.17	368658.26	46.06	45.36	65	75	33.09	12.27	3/8/04					
MW-309S	4622967.92	368658.25	46.06	45.4	32	42	33.63	11.77	10/9/06	10.4	12.13	11.38	9.06	6
MW-309S	4622967.92	368658.25	46.06	45.4	32	42	33.5	11.9	3/27/06					
MW-309S	4622967.92	368658.25	46.06	45.4	32	42	33.75	11.65	1/13/06					
MW-309S	4622967.92	368658.25	46.06	45.4	32	42	33.75	11.65	12/13/05					

Table D.2-2
Water Levels Used in Developing Model Calibration Statistics

Well	Northing (UTM -m) 1983	Easting (UTM - m) 1983	Ground Surface Elevation (ft NGVD) - 1929	Top of Casing Elevation (ft NGVD) - 1929	Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Depth to Water (ft btc)	Groundwater Elevation (ft NGVD) -1929	Measurement Date	Minimum Water Level (ft NGVD) - 1929	Maximum Water Level (ft NGVD) - 1929	Average Water Level (ft NGVD) - 1929	Midpoint of Screen (ft NGVD) - 1929	Model Layer
MW-309S	4622967.92	368658.25	46.06	45.4	32	42	34.04	11.36	8/25/05					
MW-309S	4622967.92	368658.25	46.06	45.4	32	42	33.27	12.13	6/10/05					
MW-309S	4622967.92	368658.25	46.06	45.4	32	42	35	10.4	9/15/04					
MW-309S	4622967.92	368658.25	46.06	45.4	32	42	34.55	10.85	6/15/04					
MW-309S	4622967.92	368658.25	46.06	45.4	32	42	34.72	10.68	3/8/04					
MW-314M1	4623743.29	369161.75	31.11	30.29	45	55	25.65	4.64	1/13/06	4.12	4.7	4.45	-18.89	8
MW-314M1	4623743.29	369161.75	31.11	30.29	45	55	25.59	4.7	12/13/05					
MW-314M1	4623743.29	369161.75	31.11	30.29	45	55	25.71	4.58	8/16/05					
MW-314M1	4623743.29	369161.75	31.11	30.29	45	55	25.65	4.64	6/10/05					
MW-314M1	4623743.29	369161.75	31.11	30.29	45	55	25.93	4.36	9/22/04					
MW-314M1	4623743.29	369161.75	31.11	30.29	45	55	26.15	4.14	6/22/04					
MW-314M1	4623743.29	369161.75	31.11	30.29	45	55	26.17	4.12	3/23/04					
MW-314S	4623743.05	369161.74	31.11	30.34	24	34	25.84	4.5	4/12/06	4.21	4.84	4.58	2.11	6
MW-314S	4623743.05	369161.74	31.11	30.34	24	34	25.72	4.62	1/13/06					
MW-314S	4623743.05	369161.74	31.11	30.34	24	34	25.5	4.84	12/13/05					
MW-314S	4623743.05	369161.74	31.11	30.34	24	34	25.64	4.7	8/16/05					
MW-314S	4623743.05	369161.74	31.11	30.34	24	34	25.54	4.8	6/10/05					
MW-314S	4623743.05	369161.74	31.11	30.34	24	34	25.9	4.44	9/22/04					
MW-314S	4623743.05	369161.74	31.11	30.34	24	34	25.82	4.52	6/23/04					
MW-314S	4623743.05	369161.74	31.11	30.34	24	34	26.13	4.21	3/23/04					
MW-320M1	4623379.86	369744.7	137.23	136.67	138	148	115.8	20.87	10/14/04	20.87	21.17	21.07	-5.77	7
MW-320M1	4623379.86	369744.7	137.23	136.67	138	148	115.5	21.17	7/13/04					
MW-320M1	4623379.86	369744.7	137.23	136.67	138	148	115.51	21.16	4/14/04					
MW-320S	4623380.11	369744.7	137.23	136.64	114	124	113.78	22.86	1/13/06	20.99	22.86	21.57	18.23	5
MW-320S	4623380.11	369744.7	137.23	136.64	114	124	115.65	20.99	10/14/04					
MW-320S	4623380.11	369744.7	137.23	136.64	114	124	115.35	21.29	7/13/04					
MW-320S	4623380.11	369744.7	137.23	136.64	114	124	115.5	21.14	4/14/04					
MW-323M1	4622379.36	369378.0265	109.56	108.82	195	205	70.71	38.11	4/12/06	34.37	38.11	36.36	-90.44	15
MW-323M1	4622379.36	369378.0265	109.56	108.82	195	205	71.63	37.19	1/13/06					
MW-323M1	4622379.36	369378.0265	109.56	108.82	195	205	71.95	36.87	12/7/05					
MW-323M1	4622379.36	369378.0265	109.56	108.82	195	205	71.32	37.5	7/20/05					
MW-323M1	4622379.36	369378.0265	109.56	108.82	195	205	71.71	37.11	6/15/05					
MW-323M1	4622379.36	369378.0265	109.56	108.82	195	205	74.45	34.37	10/8/04					
MW-323M1	4622379.36	369378.0265	109.56	108.82	195	205	74	34.82	7/27/04					
MW-323M1	4622379.36	369378.0265	109.56	108.82	195	205	73.95	34.87	4/19/04					
MW-323M2	4622379.06	369378.3265	109.56	108.82	120	130	70.68	38.14	4/12/06	34.4	38.14	36.36	-15.44	8
MW-323M2	4622379.06	369378.3265	109.56	108.82	120	130	71.63	37.19	1/13/06					
MW-323M2	4622379.06	369378.3265	109.56	108.82	120	130	71.94	36.88	12/7/05					
MW-323M2	4622379.06	369378.3265	109.56	108.82	120	130	71.34	37.48	7/20/05					
MW-323M2	4622379.06	369378.3265	109.56	108.82	120	130	71.68	37.14	6/15/05					
MW-323M2	4622379.06	369378.3265	109.56	108.82	120	130	74.42	34.4	10/8/04					
MW-323M2	4622379.06	369378.3265	109.56	108.82	120	130	74.01	34.81	7/27/04					
MW-323M2	4622379.06	369378.3265	109.56	108.82	120	130	73.95	34.87	4/19/04					
MW-323S	4622379.06	369378.8265	109.56	108.74	73	83	71.52	37.22	1/13/06	34.39	37.52	36.10	31.56	3
MW-323S	4622379.06	369378.8265	109.56	108.74	73	83	71.95	36.79	12/7/05					
MW-323S	4622379.06	369378.8265	109.56	108.74	73	83	71.22	37.52	7/20/05					
MW-323S	4622379.06	369378.8265	109.56	108.74	73	83	71.59	37.15	6/15/05					

Table D.2-2
Water Levels Used in Developing Model Calibration Statistics

Well	Northing (UTM -m) 1983	Easting (UTM - m) 1983	Ground Surface Elevation (ft NGVD) - 1929	Top of Casing Elevation (ft NGVD) - 1929	Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Depth to Water (ft btc)	Groundwater Elevation (ft NGVD) -1929	Measurement Date	Minimum Water Level (ft NGVD) - 1929	Maximum Water Level (ft NGVD) - 1929	Average Water Level (ft NGVD) - 1929	Midpoint of Screen (ft NGVD) - 1929	Model Layer
MW-323S	4622379.06	369378.8265	109.56	108.74	73	83	74.35	34.39	10/8/04					
MW-323S	4622379.06	369378.8265	109.56	108.74	73	83	73.94	34.8	7/27/04					
MW-323S	4622379.06	369378.8265	109.56	108.74	73	83	73.89	34.85	4/19/04					
MW-332S	4623455.83	369780.7227	142.14	141.71	119	129	118.35	23.36	4/12/06	20.38	23.36	22.05	18.14	5
MW-332S	4623455.83	369780.7227	142.14	141.71	119	129	119	22.71	1/13/06					
MW-332S	4623455.83	369780.7227	142.14	141.71	119	129	119.18	22.53	12/16/05					
MW-332S	4623455.83	369780.7227	142.14	141.71	119	129	119.15	22.56	9/30/05					
MW-332S	4623455.83	369780.7227	142.14	141.71	119	129	118.91	22.8	6/15/05					
MW-332S	4623455.83	369780.7227	142.14	141.71	119	129	121.33	20.38	12/22/04					
MW-332S	4623455.83	369780.7227	142.14	141.71	119	129	120.78	20.93	9/28/04					
MW-332S	4623455.83	369780.7227	142.14	141.71	119	129	120.56	21.15	6/15/04					
MW-338M1	4622314.04	369360.8734	109.29	108.94	189	199	74.47	34.47	1/21/05	34.47	35.56	35.10	-84.71	15
MW-338M1	4622314.04	369360.8734	109.29	108.94	189	199	73.93	35.01	10/14/04					
MW-338M1	4622314.04	369360.8734	109.29	108.94	189	199	73.59	35.35	8/18/04					
MW-338M1	4622314.04	369360.8734	109.29	108.94	189	199	73.38	35.56	7/22/04					
MW-338M2	4622313.33	369360.8734	109.29	108.92	119	129	71	37.92	1/13/06	34.6	37.92	36.28	-14.71	8
MW-338M2	4622313.33	369360.8734	109.29	108.92	119	129	71.04	37.88	1/12/06					
MW-338M2	4622313.33	369360.8734	109.29	108.92	119	129	71.52	37.4	10/20/05					
MW-338M2	4622313.33	369360.8734	109.29	108.92	119	129	74.32	34.6	1/21/05					
MW-338M2	4622313.33	369360.8734	109.29	108.92	119	129	73.84	35.08	10/14/04					
MW-338M2	4622313.33	369360.8734	109.29	108.92	119	129	73.51	35.41	8/18/04					
MW-338M2	4622313.33	369360.8734	109.29	108.92	119	129	73.25	35.67	7/22/04					
MW-338S	4622313.74	369360.57	109.29	108.88	72	82	70.05	38.83	4/12/06	34.53	38.83	36.56	32.29	3
MW-338S	4622313.74	369360.57	109.29	108.88	72	82	70.99	37.89	1/13/06					
MW-338S	4622313.74	369360.57	109.29	108.88	72	82	71	37.88	1/12/06					
MW-338S	4622313.74	369360.57	109.29	108.88	72	82	71.51	37.37	10/20/05					
MW-338S	4622313.74	369360.57	109.29	108.88	72	82	74.35	34.53	1/21/05					
MW-338S	4622313.74	369360.57	109.29	108.88	72	82	73.98	34.9	10/14/04					
MW-338S	4622313.74	369360.57	109.29	108.88	72	82	73.47	35.41	8/18/04					
MW-338S	4622313.74	369360.57	109.29	108.88	72	82	73.24	35.64	7/22/04					
MW-344M1	4622925.842	370021.2084	146.72	146.3	170	180	114.56	31.74	1/13/06	28.86	31.74	30.25	-28.28	9
MW-344M1	4622925.842	370021.2084	146.72	146.3	170	180	115.33	30.97	5/25/05					
MW-344M1	4622925.842	370021.2084	146.72	146.3	170	180	117.44	28.86	2/17/05					
MW-344M1	4622925.842	370021.2084	146.72	146.3	170	180	116.86	29.44	9/27/04					
MW-344M2	4622925.242	370021.2084	146.72	146.37	145	155	114.44	31.93	3/23/06	28.3	31.93	30.32	-3.28	7
MW-344M2	4622925.242	370021.2084	146.72	146.37	145	155	115.41	30.96	1/17/06					
MW-344M2	4622925.242	370021.2084	146.72	146.37	145	155	115	31.37	10/17/05					
MW-344M2	4622925.242	370021.2084	146.72	146.37	145	155	115.98	30.39	5/25/05					
MW-344M2	4622925.242	370021.2084	146.72	146.37	145	155	118.07	28.3	2/18/05					
MW-344M2	4622925.242	370021.2084	146.72	146.37	145	155	117.38	28.99	9/27/04					
MW-344S	4622925.542	370020.9084	146.72	146.33	115.5	125.5	114.15	32.18	3/23/06	28.42	32.18	30.55	26.22	4
MW-344S	4622925.542	370020.9084	146.72	146.33	115.5	125.5	115.22	31.11	1/17/06					
MW-344S	4622925.542	370020.9084	146.72	146.33	115.5	125.5	115.17	31.16	1/13/06					
MW-344S	4622925.542	370020.9084	146.72	146.33	115.5	125.5	114.79	31.54	10/17/05					
MW-344S	4622925.542	370020.9084	146.72	146.33	115.5	125.5	115.77	30.56	5/25/05					
MW-344S	4622925.542	370020.9084	146.72	146.33	115.5	125.5	117.91	28.42	2/18/05					
MW-344S	4622925.542	370020.9084	146.72	146.33	115.5	125.5	117.43	28.9	9/27/04					

Table D.2-2
Water Levels Used in Developing Model Calibration Statistics

Well	Northing (UTM -m) 1983	Easting (UTM - m) 1983	Ground Surface Elevation (ft NGVD) - 1929	Top of Casing Elevation (ft NGVD) - 1929	Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Depth to Water (ft btc)	Groundwater Elevation (ft NGVD) -1929	Measurement Date	Minimum Water Level (ft NGVD) - 1929	Maximum Water Level (ft NGVD) - 1929	Average Water Level (ft NGVD) - 1929	Midpoint of Screen (ft NGVD) - 1929	Model Layer
MW-350M1	4622217.593	369487.6577	123.04	122.2	221	231	82.39	39.81	2/2/06	36.35	39.81	38.38	-102.96	17
MW-350M1	4622217.593	369487.6577	123.04	122.2	221	231	82.69	39.51	1/13/06					
MW-350M1	4622217.593	369487.6577	123.04	122.2	221	231	83.02	39.18	10/17/05					
MW-350M1	4622217.593	369487.6577	123.04	122.2	221	231	83.4	38.8	5/25/05					
MW-350M1	4622217.593	369487.6577	123.04	122.2	221	231	85.85	36.35	2/17/05					
MW-350M1	4622217.593	369487.6577	123.04	122.2	221	231	85.57	36.63	10/12/04					
MW-350M2	4622217.893	369487.9577	123.04	122.29	126	136	81.2	41.09	4/12/06	37.04	41.09	39.28	-7.96	7
MW-350M2	4622217.893	369487.9577	123.04	122.29	126	136	81.92	40.37	2/2/06					
MW-350M2	4622217.893	369487.9577	123.04	122.29	126	136	82.19	40.1	1/13/06					
MW-350M2	4622217.893	369487.9577	123.04	122.29	126	136	82.56	39.73	10/17/05					
MW-350M2	4622217.893	369487.9577	123.04	122.29	126	136	82.9	39.39	5/25/05					
MW-350M2	4622217.893	369487.9577	123.04	122.29	126	136	85.25	37.04	2/17/05					
MW-350M2	4622217.893	369487.9577	123.04	122.29	126	136	85.04	37.25	10/12/04					
MW-441M1	4622179.29	369476.47	110	109.56	204.63	214.63	74.58	34.98	11/3/06	34.98	35.57	35.28	-99.63	16
MW-441M1	4622179.29	369476.47	110	109.56	204.63	214.63	73.99	35.57	7/10/06					
MW-441M2	4622179.34	369476.47	110	109.52	109.45	119.45	74.1	35.42	11/3/06	35.42	35.53	35.48	-4.45	7
MW-441M2	4622179.34	369476.47	110	109.52	109.45	119.45	73.99	35.53	6/29/06					
MW-65M1	4623182.13	369884.85	149.65	149.29	210	220	121.25	28.04	8/26/05	24.85	28.04	26.63	-65.35	13
MW-65M1	4623182.13	369884.85	149.65	149.29	210	220	123.47	25.82	8/6/04					
MW-65M1	4623182.13	369884.85	149.65	149.29	210	220	123.38	25.91	3/26/04					
MW-65M1	4623182.13	369884.85	149.65	149.29	210	220	124.44	24.85	7/9/02					
MW-65M1	4623182.13	369884.85	149.65	149.29	210	220	123.12	26.17	4/25/00					
MW-65M1	4623182.13	369884.85	149.65	149.29	210	220	122.8	26.49	2/10/00					
MW-65M1	4623182.13	369884.85	149.65	149.29	210	220	122.8	26.49	10/26/99					
MW-65M1	4623182.13	369884.85	149.65	149.29	210	220	121.32	27.97	10/8/99					
MW-65M1	4623182.13	369884.85	149.65	149.29	210	220	121.32	27.97	10/8/99					
MW-65M2	4623182.1	369885.82	149.65	149.36	129	134	121.95	27.41	12/5/05	24.63	27.92	26.45	18.15	5
MW-65M2	4623182.1	369885.82	149.65	149.36	129	134	121.44	27.92	8/26/05					
MW-65M2	4623182.1	369885.82	149.65	149.36	129	134	122.5	26.86	5/12/05					
MW-65M2	4623182.1	369885.82	149.65	149.36	129	134	123.85	25.51	3/22/05					
MW-65M2	4623182.1	369885.82	149.65	149.36	129	134	123.65	25.71	8/20/04					
MW-65M2	4623182.1	369885.82	149.65	149.36	129	134	123.6	25.76	5/10/04					
MW-65M2	4623182.1	369885.82	149.65	149.36	129	134	124.73	24.63	7/9/02					
MW-65M2	4623182.1	369885.82	149.65	149.36	129	134	123.12	26.24	4/25/00					
MW-65M2	4623182.1	369885.82	149.65	149.36	129	134	122.8	26.56	2/11/00					
MW-65M2	4623182.1	369885.82	149.65	149.36	129	134	122.8	26.56	10/28/99					
MW-65M2	4623182.1	369885.82	149.65	149.36	129	134	121.55	27.81	10/8/99					
MW-65S	4623183.11	369884.88	149.65	149.31	116	126	120.71	28.6	6/22/06	24.21	28.6	26.36	28.65	4
MW-65S	4623183.11	369884.88	149.65	149.31	116	126	121.74	27.57	1/13/06					
MW-65S	4623183.11	369884.88	149.65	149.31	116	126	121.95	27.36	12/5/05					
MW-65S	4623183.11	369884.88	149.65	149.31	116	126	121.48	27.83	8/29/05					
MW-65S	4623183.11	369884.88	149.65	149.31	116	126	122.52	26.79	5/20/05					
MW-65S	4623183.11	369884.88	149.65	149.31	116	126	123.65	25.66	8/20/04					
MW-65S	4623183.11	369884.88	149.65	149.31	116	126	123.61	25.7	5/10/04					
MW-65S	4623183.11	369884.88	149.65	149.31	116	126	122.47	26.84	9/25/03					
MW-65S	4623183.11	369884.88	149.65	149.31	116	126	124.86	24.45	9/25/02					
MW-65S	4623183.11	369884.88	149.65	149.31	116	126	123.44	25.87	12/10/01					

Table D.2-2
Water Levels Used in Developing Model Calibration Statistics

Well	Northing (UTM -m) 1983	Easting (UTM - m) 1983	Ground Surface Elevation (ft NGVD) - 1929	Top of Casing Elevation (ft NGVD) - 1929	Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Depth to Water (ft btc)	Groundwater Elevation (ft NGVD) -1929	Measurement Date	Minimum Water Level (ft NGVD) - 1929	Maximum Water Level (ft NGVD) - 1929	Average Water Level (ft NGVD) - 1929	Midpoint of Screen (ft NGVD) - 1929	Model Layer
MW-65S	4623183.11	369884.88	149.65	149.31	116	126	122.9	26.41	8/14/01					
MW-65S	4623183.11	369884.88	149.65	149.31	116	126	122.35	26.96	6/22/01					
MW-65S	4623183.11	369884.88	149.65	149.31	116	126	122.8	26.51	5/15/01					
MW-65S	4623183.11	369884.88	149.65	149.31	116	126	123.6	25.71	12/19/00					
MW-65S	4623183.11	369884.88	149.65	149.31	116	126	122.42	26.89	8/31/00					
MW-65S	4623183.11	369884.88	149.65	149.31	116	126	123.1	26.21	4/27/00					
MW-65S	4623183.11	369884.88	149.65	149.31	116	126	122.87	26.44	2/10/00					
MW-65S	4623183.11	369884.88	149.65	149.31	116	126	122.42	26.89	10/26/99					
MW-65S	4623183.11	369884.88	149.65	149.31	116	126	125.1	24.21	10/8/99					
MW-65S	4623183.11	369884.88	149.65	149.31	116	126	125.1	24.21	10/8/99					
MW-66M1	4623162.84	369699.53	153.74	153.19	227.7	238	127.63	25.56	1/13/06	22.88	28.7	25.06	-79.11	14
MW-66M1	4623162.84	369699.53	153.74	153.19	227.7	238	124.49	28.7	8/29/05					
MW-66M1	4623162.84	369699.53	153.74	153.19	227.7	238	129.49	23.7	8/31/04					
MW-66M1	4623162.84	369699.53	153.74	153.19	227.7	238	130.31	22.88	7/9/02					
MW-66M1	4623162.84	369699.53	153.74	153.19	227.7	238	128.68	24.51	4/27/00					
MW-66M1	4623162.84	369699.53	153.74	153.19	227.7	238	128.68	24.51	2/9/00					
MW-66M1	4623162.84	369699.53	153.74	153.19	227.7	238	128.68	24.51	10/20/99					
MW-66M1	4623162.84	369699.53	153.74	153.19	227.7	238	127.6	25.59	10/8/99					
MW-66M1	4623162.84	369699.53	153.74	153.19	227.7	238	127.6	25.59	10/8/99					
MW-66M2	4623162.81	369700.54	153.74	153.2	140.8	151	127.97	25.23	1/13/06	22.3	25.46	23.85	7.84	6
MW-66M2	4623162.81	369700.54	153.74	153.2	140.8	151	128.34	24.86	12/6/05					
MW-66M2	4623162.81	369700.54	153.74	153.2	140.8	151	127.74	25.46	8/29/05					
MW-66M2	4623162.81	369700.54	153.74	153.2	140.8	151	128.57	24.63	5/20/05					
MW-66M2	4623162.81	369700.54	153.74	153.2	140.8	151	130	23.2	3/18/05					
MW-66M2	4623162.81	369700.54	153.74	153.2	140.8	151	129.95	23.25	8/31/04					
MW-66M2	4623162.81	369700.54	153.74	153.2	140.8	151	129.83	23.37	5/10/04					
MW-66M2	4623162.81	369700.54	153.74	153.2	140.8	151	129.72	23.48	2/23/04					
MW-66M2	4623162.81	369700.54	153.74	153.2	140.8	151	128.65	24.55	10/2/03					
MW-66M2	4623162.81	369700.54	153.74	153.2	140.8	151	130.23	22.97	4/3/03					
MW-66M2	4623162.81	369700.54	153.74	153.2	140.8	151	130.58	22.62	1/30/03					
MW-66M2	4623162.81	369700.54	153.74	153.2	140.8	151	130.71	22.49	7/9/02					
MW-66M2	4623162.81	369700.54	153.74	153.2	140.8	151	130.9	22.3	5/16/02					
MW-66M2	4623162.81	369700.54	153.74	153.2	140.8	151	129.23	23.97	4/27/00					
MW-66M2	4623162.81	369700.54	153.74	153.2	140.8	151	129.23	23.97	2/10/00					
MW-66M2	4623162.81	369700.54	153.74	153.2	140.8	151	129.23	23.97	10/20/99					
MW-66M2	4623162.81	369700.54	153.74	153.2	140.8	151	128.02	25.18	10/8/99					
MW-66S	4623163.84	369699.56	153.74	153.25	125.7	136	127.05	26.2	6/22/06	22.1	26.2	23.87	22.89	4
MW-66S	4623163.84	369699.56	153.74	153.25	125.7	136	128	25.25	1/13/06					
MW-66S	4623163.84	369699.56	153.74	153.25	125.7	136	127.79	25.46	8/29/05					
MW-66S	4623163.84	369699.56	153.74	153.25	125.7	136	128.6	24.65	5/20/05					
MW-66S	4623163.84	369699.56	153.74	153.25	125.7	136	130.2	23.05	3/18/05					
MW-66S	4623163.84	369699.56	153.74	153.25	125.7	136	129.9	23.35	8/31/04					
MW-66S	4623163.84	369699.56	153.74	153.25	125.7	136	129.86	23.39	5/10/04					
MW-66S	4623163.84	369699.56	153.74	153.25	125.7	136	129.79	23.46	2/23/04					
MW-66S	4623163.84	369699.56	153.74	153.25	125.7	136	130.2	23.05	4/3/03					
MW-66S	4623163.84	369699.56	153.74	153.25	125.7	136	130.74	22.51	1/30/03					
MW-66S	4623163.84	369699.56	153.74	153.25	125.7	136	131.15	22.1	9/25/02					
MW-66S	4623163.84	369699.56	153.74	153.25	125.7	136	130.9	22.35	8/9/02					
MW-66S	4623163.84	369699.56	153.74	153.25	125.7	136	130.87	22.38	7/1/02					
MW-66S	4623163.84	369699.56	153.74	153.25	125.7	136	129.35	23.9	12/10/01					
MW-66S	4623163.84	369699.56	153.74	153.25	125.7	136	129	24.25	9/21/01					

Table D.2-2
Water Levels Used in Developing Model Calibration Statistics

Well	Northing (UTM -m) 1983	Easting (UTM - m) 1983	Ground Surface Elevation (ft NGVD) - 1929	Top of Casing Elevation (ft NGVD) - 1929	Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Depth to Water (ft btc)	Groundwater Elevation (ft NGVD) -1929	Measurement Date	Minimum Water Level (ft NGVD) - 1929	Maximum Water Level (ft NGVD) - 1929	Average Water Level (ft NGVD) - 1929	Midpoint of Screen (ft NGVD) - 1929	Model Layer
MW-66S	4623163.84	369699.56	153.74	153.25	125.7	136	128.61	24.64	8/13/01					
MW-66S	4623163.84	369699.56	153.74	153.25	125.7	136	129	24.25	5/15/01					
MW-66S	4623163.84	369699.56	153.74	153.25	125.7	136	129.35	23.9	12/19/00					
MW-66S	4623163.84	369699.56	153.74	153.25	125.7	136	129.35	23.9	8/31/00					
MW-66S	4623163.84	369699.56	153.74	153.25	125.7	136	129.35	23.9	5/1/00					
MW-66S	4623163.84	369699.56	153.74	153.25	125.7	136	129.35	23.9	2/10/00					
MW-66S	4623163.84	369699.56	153.74	153.25	125.7	136	129.35	23.9	10/20/99					
MW-66S	4623163.84	369699.56	153.74	153.25	125.7	136	128.08	25.17	10/8/99					

Abbreviations:

UTM-m Universal Transverse Mercator coordinates 1983 meters
NGVD National Geodetic Vertical Datum - 1929
ft bgs Feet below ground surface
ft btc Feet below top of casing

Table D.2-3
Model Predicted Versus Measured "Average" Values and Calibration Statistics

Well	Easting (UTM-m - 1983)	Northing (UTM-m - 1983)	Model Layer	Average Measured Water Level (ft NGVD - 1929)	Model Computed Water Level (ft NGVD - 1983)	Calculated Residual (feet)
MW-270D	851135.0337	274457.8556	17	7.19	8.93	-1.75
MW-270M1	851135.0842	274456.2088	12	8.94	8.99	-0.04
MW-270S	851135.465	274457.8636	6	7.88	9.05	-1.17
MW-277M1	853557.0595	274045.8422	7	22.60	23.91	-1.31
MW-277S	853557.8865	274045.864	4	22.95	23.94	-0.98
MW-278M1	853538.2562	273142.5088	7	25.27	27.99	-2.73
MW-278M2	853538.2993	273140.8688	5	25.06	28.01	-2.95
MW-278S	853538.695	273140.8827	4	27.00	28.02	-1.02
MW-279M1	853562.5359	272801.7999	6	32.46	29.56	2.90
MW-279M2	853562.5359	272801.7999	5	30.62	29.57	1.05
MW-279S	853562.9599	272801.8147	3	31.69	30.00	1.69
MW-283M1	850582.659	274530.3905	9	4.95	5.06	-0.11
MW-284M1	851430.9357	275132.8851	16	4.47	6.12	-1.66
MW-284M2	851430.8368	275132.8817	9	4.64	6.09	-1.45
MW-287M1	853954.4676	275112.8475	8	18.85	20.26	-1.42
MW-287S	853954.8143	275111.2252	6	19.03	20.29	-1.27
MW-297M1	852163.8629	275789.4688	9	5.55	6.07	-0.53
MW-297S	852164.7593	275789.1251	7	5.47	6.11	-0.64
MW-298S	855010.9421	271793.8462	3	40.37	38.41	1.96
MW-309M1	851008.2001	273766.9592	9	13.11	12.76	0.35
MW-309S	851008.2005	273766.1385	6	11.38	12.80	-1.43
MW-314M1	852585.5659	276357.4966	8	4.45	4.63	-0.18
MW-314S	852585.5579	276356.711	6	4.58	4.66	-0.08
MW-320M1	854532.4018	275221.1533	7	21.07	22.37	-1.30
MW-320S	854532.3732	275221.973	5	21.57	22.38	-0.81
MW-323M1	853425.3522	271904.4079	15	36.36	32.58	3.77
MW-323M2	853426.3761	271903.4532	8	36.36	32.64	3.72
MW-323S	853428.0087	271903.5031	3	36.10	32.68	3.43
MW-332S	854643.2952	275473.7819	5	22.05	21.56	0.50
MW-338M1	853375.3401	271688.5181	15	35.10	33.22	1.87
MW-338M2	853375.4074	271686.1856	8	36.28	33.28	3.00
MW-338S	853374.378	271687.501	3	36.56	33.30	3.26
MW-344M1	855482.7709	273758.3725	9	30.25	32.74	-2.49
MW-344M2	855482.8253	273756.4074	7	30.32	32.76	-2.43
MW-344S	855481.8156	273757.3627	4	30.55	32.77	-2.22
MW-350M1	853800.4186	271384.2838	17	38.38	35.76	2.62
MW-350M2	853801.3739	271385.2936	7	39.28	35.88	3.40
MW-441M1	853767.3865	271257.5707	16	35.28	36.12	-0.85
MW-441M2	853767.3805	271257.7403	7	35.48	36.21	-0.73
MW-65M1	855011.0009	274585.9834	13	26.63	27.43	-0.80
MW-65M2	855014.1849	274585.9814	5	26.45	27.51	-1.06
MW-65S	855011.0088	274589.203	4	26.36	27.49	-1.14
MW-66M1	854404.9924	274505.0059	14	25.06	25.31	-0.25
MW-66M2	854408.3109	274505.0015	6	23.85	25.39	-1.54
MW-66S	854404.9983	274508.282	4	23.87	25.38	-1.51

Flow Model Statistics	
Residual Mean (feet)	-0.095
Residual Standard Deviation (feet)	1.89
Sum of Squares of Residuals (square feet)	161.93
Absolute Residual Mean (feet)	1.59
Minimum Residual (feet)	-2.95
Maximum Residual (feet)	3.77
Range in Target Values (feet)	35.92
Residual Standard Deviation/Range (feet/feet)	0.053

Abbreviations:

UTM-m Universal Transverse Mercator coordinates 1983 meters
NGVD National Geodetic Vertical Datum - 1929

Table D.4-1
Perchlorate Results for Northwest Corner
2000 - 2007

Well	Sample/Field Duplicate	Perchlorate Result (ug/L)	EPA Qualifier	Reporting Limit (ug/L)	Sample Date	Average of Year (ug/L)	Detected Concentration (ug/L)
4036009	N	3.6		1	11/21/05	4.03	4.60
4036009	N	3.9		1	8/23/05		
4036009	N	4.6	J	1	4/4/05		
4036009	N	5.03		1	12/13/04	5.28	5.63
4036009	N	5.63		1	8/18/04		
4036009	N	5.36		1	5/19/04		
4036009	FD	5.23		1	5/19/04		
4036009	N	5.13			2/17/04		
4036009	N	4.88		1	11/24/03	5.27	6.06
4036009	N	4.15		1	9/3/03		
4036009	FD	5.99		1	1/8/03		
4036009	N	6.06		1	1/8/03		
4036009	N	5.26		1	12/20/02	5.39	5.51
4036009	FD	5.51		1	12/20/02		
95-13	N	0.826	J	1	7/9/04	0.83	0.83
95-15	N	0.35	U	1	10/20/05	ND	ND
95-15	N	0.35	U	1	10/14/04	ND	ND
95-15	N	0.35	U	1	11/17/03	ND	ND
95-15	N	0.35	U	1	5/5/03		
95-15	N	0.35	U	1	9/4/02	ND	ND
95-15	N	0.35	U	1	8/5/02		
95-15	N	0.35	U	5	9/5/01	ND	ND
95-15	FD	0.35	UJ	5	9/20/00	ND	ND
95-15	N	0.35	UJ	5	9/20/00		
95-15B	N	0.35	U	1	3/6/03	ND	ND
95-15C	N	0.35	U	1	10/20/05	ND	ND
95-15C	N	0.35	U	1	9/15/04	ND	ND
95-15C	N	0.35	U	1	11/17/03	ND	ND
95-15C	N	0.35	U	1	9/4/02	ND	ND
95-15C	N	0.35	U	5	10/8/01	ND	ND
95-15C	N	0.35	UJ	5	9/8/00	ND	ND
95-15E	N	0.35	U	1	5/1/03	ND	ND
95-16	N	0.35	U	1	5/7/03	ND	ND
95-6A	N	0.35	U	1	2/6/06	ND	ND
95-6A	N	0.35	U	1	11/3/05	ND	ND
95-6A	N	0.35	U	1	6/14/05		
95-6A	N	0.35	U	1	3/23/05		
95-6A	N	0.35	U	1	9/14/04	ND	ND
95-6A	N	0.35	U	1	7/14/04		
95-6A	N	0.35	UJ	1	3/10/04		
95-6A	N	0.35	U	1	11/18/03	ND	ND
95-6A	N	0.35	U	1	9/6/02	ND	ND
95-6A	N	0.35	U	5	9/10/01	ND	ND
95-6A	N	0.35	UJ	5	9/12/00	ND	ND
95-6ED	N	0.35	U	1	9/21/05	ND	ND
95-6ED	N	0.35	U	1	9/14/04	ND	ND
95-6ED	N	0.35	UJ	1	3/10/04		
95-6ED	N	0.35	U	1	11/14/03	ND	ND
95-6ED	N	0.35	U	1	5/1/03		
95-6ED	FD	0.35	U	1	5/1/03		
95-6ES	FD	0.35	U	1	9/21/05	ND	ND
95-6ES	N	0.35	U	1	9/21/05		
95-6ES	N	0.35	U	1	9/15/04	ND	ND
95-6ES	N	0.35	U	1	11/18/03	ND	ND
95-6ES	N	0.35	U	5	9/11/01	ND	ND
95-6ES	N	0.35	UJ	5	9/14/00	ND	ND

Table D.4-1
Perchlorate Results for Northwest Corner
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Well	Sample/Field Duplicate	Perchlorate Result (ug/L)	EPA Qualifier	Reporting Limit (ug/L)	Sample Date	Average of Year (ug/L)	Detected Concentration (ug/L)
BHW216	N	0.35	U	1	4/10/03	ND	ND
BHW217	N	0.35	U	1	4/10/03	ND	ND
BHW218	N	0.35	U	1	4/10/03	ND	ND
BHW220	N	0.35	U	1	4/11/03	ND	ND
CMW-1	FD	0.35	U	1	7/9/04	ND	ND
CMW-1	N	0.35	U	1	7/9/04		
CMW-1	N	0.35	U	1	5/7/03	ND	ND
CWNW01	N	0.35	U	1	7/10/03	ND	ND
HW-1	FD	0.848	J	1	3/5/03	0.88	0.91
HW-1	N	0.906	J	1	3/5/03		
HW-2	N	1		1	3/8/06	1.00	1.00
HW-2	N	1.6		1	11/12/05	1.24	1.60
HW-2	N	0.87	J	1	6/20/05		
HW-2	N	1.59	J	1	9/30/04	1.33	1.59
HW-2	FD	1.1		1	6/3/04		
HW-2	N	1.12		1	6/3/04		
HW-2	N	1.5			2/19/04		
HW-3	N	1.12			2/19/04	1.12	1.12
95-15	N	0.35	U	1	10/20/05	ND	ND
95-15	N	0.35	U	1	10/14/04	ND	ND
95-15	N	0.35	U	1	11/17/03	ND	ND
95-15	N	0.35	U	1	9/4/02	ND	ND
95-15	N	0.35	U	1	8/5/02		
95-15	N	0.35	U	5	9/5/01	ND	ND
95-15	FD	0.35	UJ	5	9/20/00	ND	ND
95-15	N	0.35	UJ	5	9/20/00		
MW-21D	N	0.35	U	1	5/13/02		
MW-21D	N	0.35	U	5	7/30/01		
MW-21D	N	0.35	U	10	8/8/00		
MW-21M1	N	0.35	U	1	6/2/04	ND	ND
MW-21M1	N	0.35	UJ	1	3/26/04		
MW-21M1	N	0.35	U	1	5/13/02	ND	ND
MW-21M2	N	0.35	U	1	6/2/04	ND	ND
MW-21M2	N	0.35	UJ	1	3/26/04		
MW-21M2	N	0.35	U	1	5/13/02	ND	ND
MW-21M3	N	0.35	U	1	6/2/04	ND	ND
MW-21M3	N	0.35	U	1	3/26/04		
MW-21M3	N	0.35	U	1	5/14/02	ND	ND
MW-21S	N	0.35	U	1	6/2/04	ND	ND
MW-21S	N	0.35	U	1	3/26/04		
MW-21S	N	0.35	U	1	9/3/03	ND	ND
MW-270D	N	0.84	J	1	4/26/07	0.84	0.84
MW-270D	N	0.85	J	1	4/11/06	0.89	0.92
MW-270D	FD	0.92	J	1	4/11/06		
MW-270D	N	0.84	J	1	12/12/05	1.09	1.43
MW-270D	N	0.99	J	1	9/1/05		
MW-270D	N	1.1		1	6/8/05		
MW-270D	N	1.43		1	2/10/05		
MW-270D	N	1.08		1	9/10/04	1.11	1.19

Table D.4-1
Perchlorate Results for Northwest Corner
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Well	Sample/Field Duplicate	Perchlorate Result (ug/L)	EPA Qualifier	Reporting Limit (ug/L)	Sample Date	Average of Year (ug/L)	Detected Concentration (ug/L)
MW-270D	N	1.19			4/29/04		
MW-270D	N	1.07		1	1/6/04		
MW-270D	FD	1.2		1	9/30/03	1.23	1.30
MW-270D	N	1.2		1	9/30/03		
MW-270D	N	1.3		1	6/16/03		
MW-270M1	N	9		1	4/26/07	9.00	9.00
MW-270M1	N	9.6		1	9/28/06	11.55	13.50
MW-270M1	N	13.5		1	4/11/06		
MW-270M1	FD	14.5		1	12/12/05	13.32	14.60
MW-270M1	N	14.6		1	12/12/05		
MW-270M1	N	14.2		1	9/1/05		
MW-270M1	N	13		1	6/8/05		
MW-270M1	N	10.3		1	2/10/05		
MW-270M1	N	9.7		1	9/10/04	10.16	11.00
MW-270M1	N	8.94			4/29/04		
MW-270M1	N	11	J	1	1/6/04		
MW-270M1	FD	11	J	1	1/6/04		
MW-270M1	FD	11		1	9/30/03	10.37	11.00
MW-270M1	N	11		1	9/30/03		
MW-270M1	FD	9.1		1	6/16/03		
MW-270S	N	2.3		1	4/26/07	2.30	2.30
MW-270S	N	2		1	4/11/06	2.00	2.00
MW-270S	N	1.9		1	12/12/05	1.90	2.20
MW-270S	N	2.2		1	9/1/05		
MW-270S	N	1.5		1	6/8/05		
MW-270S	N	2		1	2/10/05		
MW-270S	N	1.2		1	9/10/04	0.69	1.20
MW-270S	N	0.533	J		4/29/04		
MW-270S	N	0.35	UJ	1	1/6/04		
MW-270S	N	2		1	9/30/03	1.26	2.00
MW-270S	N	0.52	J	1	6/16/03		
MW-277M1	N	0.75	J	1	4/20/07	0.75	0.75
MW-277M1	N	0.52	J	1	4/6/06	0.52	0.52
MW-277M1	N	0.35	U	1	12/28/05	0.37	0.40
MW-277M1	N	0.4	J	1	7/19/05		
MW-277M1	N	0.35	U	1	5/25/05		
MW-277M1	N	0.35	U	1	12/14/04	0.36	0.42
MW-277M1	N	0.35	U	1	11/2/04		
MW-277M1	FD	0.35	U	1	10/6/04		
MW-277M1	N	0.35	U	1	10/6/04		
MW-277M1	N	0.35	UJ	1	9/8/04		
MW-277M1	N	0.35	U	1	8/4/04		
MW-277M1	N	0.35	U	1	7/7/04		
MW-277M1	N	0.381	J	1	6/9/04		
MW-277M1	N	0.391	J	1	5/12/04		
MW-277M1	N	0.35	U		4/14/04		
MW-277M1	N	0.35	U	1	3/17/04		
MW-277M1	N	0.422	J		2/17/04		
MW-277M1	N	0.7	J	1	12/5/03	0.68	0.76
MW-277M1	FD	0.756	J	1	7/9/03		
MW-277M1	N	0.596	J	1	7/9/03		
MW-277S	FD	2.1		1	4/20/07	2.10	2.10
MW-277S	FD	2.7		1	9/28/06	2.60	3.10
MW-277S	N	3.1		1	9/28/06		
MW-277S	N	2		1	4/10/06		
MW-277S	N	1.6		1	12/28/05	2.03	2.50
MW-277S	N	2		1	12/28/05		
MW-277S	FD	1.9		1	12/5/05		
MW-277S	N	1.9		1	12/5/05		
MW-277S	N	2.5		1	10/27/05		
MW-277S	FD	2.5		1	9/16/05		

Table D.4-1
Perchlorate Results for Northwest Corner
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Well	Sample/Field Duplicate	Perchlorate Result (ug/L)	EPA Qualifier	Reporting Limit (ug/L)	Sample Date	Average of Year (ug/L)	Detected Concentration (ug/L)
MW-277S	N	2.5		1	9/16/05		
MW-277S	N	2.3		1	8/26/05		
MW-277S	N	1.7		1	7/19/05		
MW-277S	N	1.5		1	6/20/05		
MW-277S	N	1.9		1	5/25/05		
MW-277S	N	1.9	J	1	4/27/05		
MW-277S	N	2.09		1	3/22/05		
MW-277S	N	2.1		1	2/17/05		
MW-277S	N	3.03		1	12/14/04	3.55	5.20
MW-277S	N	3.11		1	11/2/04		
MW-277S	N	3.3		1	10/6/04		
MW-277S	N	2.9		1	9/8/04		
MW-277S	N	3.09		1	8/4/04		
MW-277S	N	3.14		1	7/7/04		
MW-277S	N	3.36		1	6/9/04		
MW-277S	N	3.49		1	5/12/04		
MW-277S	N	3.74			4/14/04		
MW-277S	N	4.18		1	3/17/04		
MW-277S	N	4.06			2/18/04		
MW-277S	N	5.2		1	1/20/04		
MW-277S	N	5.27		1	12/12/03	5.98	6.68
MW-277S	N	6.68		1	7/10/03		
MW-278M1	N	1.6		1	4/23/07	1.60	1.60
MW-278M1	N	2.6		1	4/6/06	2.60	2.60
MW-278M1	N	2.4		1	12/27/05	1.73	2.40
MW-278M1	N	1.7		1	7/20/05		
MW-278M1	N	1.1		1	5/25/05		
MW-278M1	N	0.558	J	1	12/14/04	0.65	1.08
MW-278M1	N	0.514	J	1	11/3/04		
MW-278M1	FD	0.538	J	1	11/3/04		
MW-278M1	N	0.556	J	1	10/6/04		
MW-278M1	N	0.638	J	1	9/8/04		
MW-278M1	N	1.08		1	8/4/04		
MW-278M1	N	0.512	J	1	7/7/04		
MW-278M1	N	0.607	J	1	6/9/04		
MW-278M1	N	0.684	J	1	5/12/04		
MW-278M1	N	0.751	J		4/14/04		
MW-278M1	N	0.69	J	1	3/17/04		
MW-278M1	N	0.708	J		2/18/04		
MW-278M1	N	1.1		1	12/3/03	1.105	1.11
MW-278M1	N	1.11		1	7/15/03		
MW-278M2	N	6.2		1	4/23/07	6.20	6.20
MW-278M2	N	12.4		1	4/6/06	12.40	12.40
MW-278M2	N	9.2		1	12/27/05	3.07	9.20
MW-278M2	FD	2.6		1	7/20/05		
MW-278M2	N	2.6		1	7/20/05		
MW-278M2	N	2.1		1	5/25/05		
MW-278M2	N	1.9	J	1	4/26/05		
MW-278M2	N	1.45		1	3/22/05		
MW-278M2	N	1.65		1	2/17/05		
MW-278M2	N	1.88		1	12/14/04	2.51	5.40
MW-278M2	N	1.8		1	11/3/04		
MW-278M2	N	1.78		1	10/6/04		
MW-278M2	N	1.58		1	9/8/04		
MW-278M2	N	1.53		1	8/4/04		
MW-278M2	FD	1.67		1	8/4/04		
MW-278M2	N	1.78		1	7/7/04		
MW-278M2	N	2.22		1	6/9/04		
MW-278M2	N	2.61		1	5/12/04		
MW-278M2	N	3.02			4/14/04		
MW-278M2	N	3.4		1	3/17/04		
MW-278M2	N	3.91			2/19/04		
MW-278M2	N	5.4		1	1/20/04		

Table D.4-1
Perchlorate Results for Northwest Corner
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Well	Sample/Field Duplicate	Perchlorate Result (ug/L)	EPA Qualifier	Reporting Limit (ug/L)	Sample Date	Average of Year (ug/L)	Detected Concentration (ug/L)
MW-278M2	N	7.1		1	12/3/03	4.87	7.40
MW-278M2	FD	7.4		1	12/3/03		
MW-278M2	N	2.53		1	7/16/03		
MW-278M2	FD	2.45		1	7/16/03		
MW-278S	N	6.9		1	4/23/07	6.90	6.90
MW-278S	N	10.5		1	9/28/06	13.20	15.90
MW-278S	N	15.9		1	4/10/06		
MW-278S	N	15.4		1	12/27/05	14.40	15.80
MW-278S	N	15.8		1	12/27/05		
MW-278S	N	15.6		1	12/5/05		
MW-278S	N	15.8		1	10/27/05		
MW-278S	N	15.4		1	9/16/05		
MW-278S	N	13.8		1	8/26/05		
MW-278S	N	12.4		1	7/20/05		
MW-278S	N	11	J	1	6/20/05		
MW-278S	N	19.3		1	7/18/03	19.30	19.30
MW-279M1	N	3.1		1	4/24/07	3.10	3.10
MW-279M1	N	8.1		1	4/10/06	8.10	8.10
MW-279M1	N	4		1	7/19/05	3.90	4.00
MW-279M1	N	3.8		1	5/25/05		
MW-279M1	N	3.54		1	12/14/04	4.48	6.15
MW-279M1	N	3.87		1	11/2/04		
MW-279M1	N	3.95		1	10/6/04		
MW-279M1	N	3.76		1	9/8/04		
MW-279M1	N	4.61		1	8/4/04		
MW-279M1	N	4.63		1	7/7/04		
MW-279M1	N	5.05		1	6/9/04		
MW-279M1	FD	5.14		1	6/9/04		
MW-279M1	N	5.17		1	5/12/04		
MW-279M1	N	6.15			4/14/04		
MW-279M1	N	4.6		1	3/17/04		
MW-279M1	N	3.31			2/18/04		
MW-279M1	N	2.24		1	12/10/03	2.45	2.66
MW-279M1	N	2.66		1	7/30/03		
MW-279M2	N	12		1	4/24/07	12.00	12.00
MW-279M2	N	13.9		1	4/10/06	13.90	13.90
MW-279M2	N	10.3		1	7/19/05	10.19	14.00
MW-279M2	N	14		1	5/25/05		
MW-279M2	N	6.26		1	2/17/05		
MW-279M2	N	5.67		1	12/14/04	4.56	5.67
MW-279M2	N	5.26		1	11/2/04		
MW-279M2	N	5.12		1	10/6/04		
MW-279M2	FD	4.63		1	9/8/04		
MW-279M2	N	4.5		1	9/8/04		
MW-279M2	N	4.99		1	8/4/04		
MW-279M2	N	4.84		1	7/7/04		
MW-279M2	FD	4.87		1	7/7/04		
MW-279M2	N	4.95		1	6/9/04		
MW-279M2	N	4.51		1	5/12/04		
MW-279M2	FD	4.04			4/14/04		
MW-279M2	N	4.03			4/14/04		
MW-279M2	FD	3.9		1	3/17/04		
MW-279M2	N	3.9		1	3/17/04		
MW-279M2	N	3.22			2/19/04		
MW-279M2	N	2.92		1	12/10/03	5.04	6.15
MW-279M2	FD	6.15		1	7/30/03		
MW-279M2	N	6.06		1	7/30/03		
MW-279S	N	2.6		1	4/24/07	2.60	2.60
MW-279S	N	9.2		1	9/28/06	9.80	10.40
MW-279S	N	10.4		1	4/10/06		
MW-279S	N	9.5		1	12/28/05	18.45	26.30

Table D.4-1
Perchlorate Results for Northwest Corner
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Well	Sample/Field Duplicate	Perchlorate Result (ug/L)	EPA Qualifier	Reporting Limit (ug/L)	Sample Date	Average of Year (ug/L)	Detected Concentration (ug/L)
MW-279S	N	9.6		1	12/28/05		
MW-279S	N	20.4		1	12/5/05		
MW-279S	FD	23.9		1	10/27/05		
MW-279S	N	23.9		1	10/27/05		
MW-279S	N	24.4		1	9/16/05		
MW-279S	N	21.1		1	8/26/05		
MW-279S	N	16.3		1	7/19/05		
MW-279S	N	13		1	6/20/05		
MW-279S	N	16		1	5/25/05		
MW-279S	N	17		1	4/27/05		
MW-279S	N	26.3		1	3/22/05		
MW-279S	N	23.1		1	12/14/04	14.59	23.10
MW-279S	N	20.4		1	11/3/04		
MW-279S	N	19.7		1	10/6/04		
MW-279S	N	15.2		1	9/8/04		
MW-279S	N	13.7		1	8/4/04		
MW-279S	N	10.5		1	7/7/04		
MW-279S	N	11.1		1	6/9/04		
MW-279S	N	11.9		1	5/14/04		
MW-279S	N	9.84			4/15/04		
MW-279S	N	11.2		1	3/17/04		
MW-279S	N	11.4			2/19/04		
MW-279S	N	17		1	1/20/04		
MW-279S	N	15.7		1	12/10/03	16.20	16.70
MW-279S	N	16.7		1	7/30/03		
MW-283M1	N	3		1	4/26/07	3.00	3.00
MW-283M1	N	3.3		1	10/9/06	3.55	3.80
MW-283M1	N	3.8		1	4/11/06		
MW-283M1	N	3.7		1	1/9/06		
MW-283M1	N	3.8		1	9/19/05	2.92	3.80
MW-283M1	FD	3.8		1	9/19/05		
MW-283M1	FD	2.7		1	6/17/05		
MW-283M1	N	2.5		1	6/17/05		
MW-283M1	N	1.8	J	1	2/9/05		
MW-283M1	N	1.4		1	9/10/04	1.45	1.50
MW-283M1	N	1.5		1	3/22/04		
MW-283M1	N	1.6		1	12/2/03	1.54	1.60
MW-283M1	N	1.51		1	9/16/03		
MW-283M1	FD	1.52		1	9/16/03		
MW-284M1	N	0.35	U	1	1/3/06	ND	ND
MW-284M1	N	0.35	U	1	9/19/05	ND	ND
MW-284M1	N	0.35	U	1	6/10/05		
MW-284M1	N	0.35	U	1	3/10/04	ND	ND
MW-284M1	N	0.35	U	1	12/2/03	ND	ND
MW-284M1	N	0.35	U	1	9/12/03		
MW-284M1	FD	0.35	U	1	9/12/03		
MW-284M2	N	5.1		1	4/25/07	5.15	5.20
MW-284M2	FD	5.2		1	4/25/07		
MW-284M2	N	4.9		1	10/9/06	4.55	4.90
MW-284M2	N	4.2		1	1/3/06		
MW-284M2	N	4.1		1	9/19/05	3.93	4.20
MW-284M2	FD	4.2		1	6/10/05		
MW-284M2	N	4		1	6/10/05		
MW-284M2	N	3.4		1	2/15/05		
MW-284M2	N	3.1	J	1	8/26/04	3.20	3.30
MW-284M2	N	3.3		1	3/10/04		
MW-284M2	N	2.89		1	12/2/03	2.97	3.04
MW-284M2	N	3.04		1	9/12/03		
MW-287M1	N	0.43	J	1	12/8/05	0.59	0.73
MW-287M1	N	0.38	J	1	7/20/05		
MW-287M1	N	0.71	J	1	6/13/05		

Table D.4-1
Perchlorate Results for Northwest Corner
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Well	Sample/Field Duplicate	Perchlorate Result (ug/L)	EPA Qualifier	Reporting Limit (ug/L)	Sample Date	Average of Year (ug/L)	Detected Concentration (ug/L)
MW-287M1	N	0.725	J	1	1/14/05		
MW-287M1	FD	0.697	J	1	1/14/05		
MW-287M1	N	0.79	J	1	6/22/04	0.85	0.91
MW-287M1	N	0.91	J	1	3/23/04		
MW-287M1	N	0.821	J	1	12/8/03	0.82	0.82
MW-287S	N	0.96	J	1	12/8/05	1.03	1.45
MW-287S	N	0.72	J	1	7/20/05		
MW-287S	N	0.98	J	1	6/14/05		
MW-287S	N	1.45	J	1	1/14/05		
MW-287S	N	1.7		1	6/22/04	1.95	2.20
MW-287S	N	2.2		1	3/23/04		
MW-287S	N	1.87		1	12/8/03	1.87	1.87
MW-297M1	N	2.6		1	4/25/07	2.60	2.60
MW-297M1	N	2.1		1	4/10/06	2.10	2.10
MW-297M1	N	1.5		1	12/21/05	1.67	1.90
MW-297M1	N	1.9		1	9/16/05		
MW-297M1	FD	1.8		1	9/16/05		
MW-297M1	FD	1.6		1	5/25/05		
MW-297M1	N	1.6		1	5/25/05		
MW-297M1	N	1.6		1	2/14/05		
MW-297M1	N	1.8		1	6/22/04	1.90	2.00
MW-297M1	N	2		1	3/23/04		
MW-297M1	N	1.9		1	12/22/03	1.90	1.90
MW-297S	N	1.8		1	4/10/06	1.80	1.80
MW-297S	N	1.8		1	1/16/06		
MW-297S	N	1.8		1	9/19/05	1.90	2.20
MW-297S	N	2.2		1	5/25/05		
MW-297S	N	1.7		1	2/14/05		
MW-297S	N	1.8		1	6/22/04	2.10	2.40
MW-297S	N	2.4		1	3/23/04		
MW-297S	N	2.53		1	12/23/03	2.53	2.53
MW-298M1	N	0.35	U	1	8/15/05	ND	ND
MW-298M1	N	0.35	U	1	8/11/04	ND	ND
MW-298M1	N	0.35	U	1	5/14/04		
MW-298M1	N	0.35	U	1	2/12/04		
MW-298M2	N	0.35	U	1	12/8/05	ND	ND
MW-298M2	N	0.35	U	1	8/15/05		
MW-298M2	FD	0.35	U	1	8/15/05		
MW-298M2	N	0.35	U	1	5/12/05		
MW-298M2	N	0.35	U	1	8/11/04	ND	ND
MW-298M2	FD	0.35	U	1	5/14/04		
MW-298M2	N	0.35	U	1	5/14/04		
MW-298M2	N	0.35	U	1	2/12/04		
MW-298S	N	0.35	U	1	4/23/07	ND	ND
MW-298S	N	0.35	U	1	4/12/06	ND	ND
MW-298S	N	0.35	U	1	12/8/05	0.69	0.96
MW-298S	N	0.76	J	1	8/15/05		
MW-298S	N	0.96	J	1	5/12/05		
MW-298S	N	0.676	J	1	8/11/04	0.63	0.68
MW-298S	N	0.633	J	1	5/14/04		
MW-298S	N	0.57	J	1	2/11/04		
MW-299M1	N	0.35	U	1	9/19/05	ND	ND
MW-299M1	N	0.35	U	1	8/11/04	ND	ND
MW-299M1	N	0.35	U	1	5/24/04		
MW-299M1	N	0.35	U	1	2/25/04		
MW-299S	N	0.35	U	1	9/19/05	ND	ND
MW-299S	N	0.35	U	1	8/11/04	ND	ND

Table D.4-1
Perchlorate Results for Northwest Corner
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Well	Sample/Field Duplicate	Perchlorate Result (ug/L)	EPA Qualifier	Reporting Limit (ug/L)	Sample Date	Average of Year (ug/L)	Detected Concentration (ug/L)
MW-299S	N	0.35	U	1	5/24/04		
MW-299S	N	0.35	U	1	2/25/04		
MW-301M1	N	0.35	U	1	8/26/05	ND	ND
MW-301M1	N	0.35	U	1	8/12/04	ND	ND
MW-301M1	FD	0.35	U	1	8/12/04		
MW-301M1	N	0.35	U	1	5/21/04		
MW-301M1	FD	0.35	U	1	5/21/04		
MW-301M1	FD	0.35	U	1	2/25/04		
MW-301M1	N	0.35	U	1	2/25/04		
MW-301S	N	2		1	12/7/05	1.73	2.00
MW-301S	N	1.9		1	8/26/05		
MW-301S	N	1.3		1	6/17/05		
MW-301S	N	3.1		1	8/12/04	2.72	3.10
MW-301S	N	2.3		1	5/21/04		
MW-301S	N	2.75		1	2/25/04		
MW-309M1	N	1.7	J	1	4/25/07	2.10	2.50
MW-309M1	FD	2.5	J	1	4/25/07		
MW-309M1	N	1.7	J	1	10/9/06	2.10	2.50
MW-309M1	FD	2.5	J	1	10/9/06		
MW-309M1	N	1.9		1	10/9/06	2.25	2.60
MW-309M1	N	2.6		1	3/27/06		
MW-309M1	N	3		1	12/13/05	3.77	4.20
MW-309M1	N	4.1		1	8/25/05		
MW-309M1	N	4.2		1	6/10/05		
MW-309M1	N	3.72		1	9/15/04	1.87	3.72
MW-309M1	N	1.1	J	1	6/15/04		
MW-309M1	N	0.8	J	1	3/8/04		
MW-309S	N	1.7		1	4/25/07	1.70	1.70
MW-309S	N	2.1		1	10/9/06	2.35	2.60
MW-309S	N	2.6		1	3/27/06		
MW-309S	N	3.4		1	12/13/05	3.67	3.90
MW-309S	N	3.9		1	8/25/05		
MW-309S	N	3.7		1	6/10/05		
MW-309S	N	1.15		1	9/15/04	0.78	1.15
MW-309S	N	0.55	J	1	6/15/04		
MW-309S	N	0.64	J	1	3/8/04		
MW-314M1	FD	0.35	U	1	12/13/05	ND	ND
MW-314M1	N	0.35	U	1	12/13/05		
MW-314M1	FD	0.35	U	1	8/16/05		
MW-314M1	N	0.35	U	1	8/16/05		
MW-314M1	N	0.35	U	1	6/10/05		
MW-314M1	N	0.35	U	1	9/22/04	ND	ND
MW-314M1	N	0.35	U	1	6/22/04		
MW-314M1	FD	0.35	UJ	1	3/23/04		
MW-314M1	N	0.35	UJ	1	3/23/04		
MW-314S	N	0.35	U	1	4/25/07	ND	ND
MW-314S	N	0.35	U	1	4/12/06	ND	ND
MW-314S	N	0.35	U	1	12/13/05	0.37	0.41
MW-314S	N	0.41	J	1	8/16/05		
MW-314S	N	0.35	U	1	6/10/05		
MW-314S	N	0.464	J	1	9/22/04	0.46	0.57
MW-314S	N	0.359	J	1	6/23/04		
MW-314S	N	0.57	J	1	3/23/04		
MW-320M1	FD	0.692	J	1	10/14/04	0.72	0.81
MW-320M1	N	0.617	J	1	10/14/04		
MW-320M1	N	0.718	J	1	7/13/04		
MW-320M1	FD	0.759	J	1	7/13/04		
MW-320M1	N	0.809	J	1	4/14/04		

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Well	Sample/Field Duplicate	Perchlorate Result (ug/L)	EPA Qualifier	Reporting Limit (ug/L)	Sample Date	Average of Year (ug/L)	Detected Concentration (ug/L)
MW-320S	N	1.13		1	10/14/04	1.33	1.45
MW-320S	N	1.42		1	7/13/04		
MW-320S	N	1.45		1	4/14/04		
MW-323M1	N	0.35	U	1	12/7/05	ND	ND
MW-323M1	N	0.35	U	1	7/20/05		
MW-323M1	N	0.35	U	1	6/15/05		
MW-323M1	N	0.35	U	1	10/8/04	ND	ND
MW-323M1	N	0.35	U	1	7/27/04		
MW-323M1	N	0.35	U	1	4/19/04		
MW-323M2	N	0.35	U	1	12/7/05	ND	ND
MW-323M2	N	0.35	U	1	7/20/05		
MW-323M2	N	0.35	U	1	6/15/05		
MW-323M2	N	0.49	J	1	10/8/04		
MW-323M2	FD	0.35	U	1	7/27/04	0.40	0.47
MW-323M2	N	0.378	J	1	7/27/04		
MW-323M2	N	0.471	J	1	4/19/04		
MW-323S	N	0.35	U	1	12/7/05	2.32	3.60
MW-323S	N	3		1	7/20/05		
MW-323S	N	3.6		1	6/15/05		
MW-323S	N	1.38		1	10/8/04	2.43	3.14
MW-323S	N	2.78		1	7/27/04		
MW-323S	N	3.14		1	4/19/04		
MW-332S	N	0.37	J	1	4/23/07	0.37	0.37
MW-332S	N	0.69	J	1	4/12/06	0.69	0.69
MW-332S	N	0.48	J	1	12/16/05	0.94	1.40
MW-332S	N	0.95	J	1	9/30/05		
MW-332S	N	1.4		1	6/15/05		
MW-332S	N	1.44		1	12/22/04	1.42	1.46
MW-332S	N	1.46		1	9/28/04		
MW-332S	N	1.36		1	6/15/04		
MW-338M1	N	0.35	U	1	1/21/05	ND	ND
MW-338M1	N	0.35	U	1	10/14/04	ND	ND
MW-338M1	N	0.35	U	1	7/22/04		
MW-338M2	N	0.35	U	1	1/12/06	ND	ND
MW-338M2	N	0.35	U	1	10/20/05	ND	ND
MW-338M2	N	0.35	U	1	1/21/05		
MW-338M2	N	0.35	U	1	10/14/04	ND	ND
MW-338M2	N	0.35	U	1	7/22/04		
MW-338S	N	0.35	U	1	4/20/07	ND	ND
MW-338S	N	0.35	U	1	4/12/06	ND	ND
MW-338S	N	0.35	U	1	1/12/06		
MW-338S	N	0.35	U	1	10/20/05	0.38	0.40
MW-338S	N	0.4	J	1	1/21/05		
MW-338S	N	0.539	J	1	10/14/04	0.48	0.54
MW-338S	N	0.42	J	1	7/22/04		
MW-344M1	N	0.35	U	1	5/25/05	ND	ND
MW-344M1	N	0.35	UJ	1	2/17/05		
MW-344M1	N	0.35	U	1	9/27/04	ND	ND
MW-344M2	N	0.35	U	1	4/24/07	ND	ND
MW-344M2	N	0.35	U	1	3/23/06	ND	ND
MW-344M2	N	0.35	U	1	1/17/06		
MW-344M2	FD	0.35	U	1	1/17/06		
MW-344M2	FD	0.35	U	1	10/17/05	0.48	0.64
MW-344M2	N	0.35	U	1	10/17/05		
MW-344M2	N	0.59	J	1	5/25/05		

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Well	Sample/Field Duplicate	Perchlorate Result (ug/L)	EPA Qualifier	Reporting Limit (ug/L)	Sample Date	Average of Year (ug/L)	Detected Concentration (ug/L)
MW-344M2	N	0.64	J	1	2/18/05		
MW-344M2	N	0.715	J	1	9/27/04	0.715	0.715
MW-344S	N	1.8		1	4/24/07	2.00	2.20
MW-344S	FD	2.2		1	4/24/07		
MW-344S	N	1.4		1	3/23/06	1.60	1.80
MW-344S	N	1.8		1	1/17/06		
MW-344S	N	1.9		1	10/17/05	0.93	1.90
MW-344S	N	0.47	J	1	5/25/05		
MW-344S	N	0.42	J	1	2/18/05		
MW-344S	N	0.586	J	1	9/27/04	0.59	0.59
MW-350M1	N	0.35	U	1	2/2/06	ND	ND
MW-350M1	N	0.35	U	1	10/17/05	0.49	0.88
MW-350M1	N	0.88	J	1	5/25/05		
MW-350M1	FD	0.375	J	1	2/17/05		
MW-350M1	N	0.35	U	1	2/17/05		
MW-350M1	N	0.498	J	1	10/12/04	0.498	0.498
MW-350M2	N	0.35	U	1	2/2/06	ND	ND
MW-350M2	N	0.35	U	1	10/17/05	ND	ND
MW-350M2	FD	0.35	U	1	5/25/05		
MW-350M2	N	0.35	U	1	5/25/05		
MW-350M2	N	0.35	U	1	2/17/05		
MW-350M2	N	0.35	U	1	10/12/04	ND	ND
MW-350M2	FD	0.35	U	1	10/12/04		
MW-65M1	N	0.35	U	1	8/26/05	ND	ND
MW-65M1	N	0.35	UJ	1	8/6/04	ND	ND
MW-65M1	FD	0.35	UJ	1	3/26/04		
MW-65M1	N	0.35	UJ	1	3/26/04		
MW-65M1	N	0.35	U	1	7/9/02	ND	ND
MW-65M2	N	0.67	J	1	12/5/05	0.81	0.91
MW-65M2	N	0.77	J	1	8/26/05		
MW-65M2	N	0.91	J	1	5/12/05		
MW-65M2	FD	0.9	J	1	5/12/05		
MW-65M2	N	0.81	J	1	3/22/05		
MW-65M2	FD	0.41	J	1	8/20/04	0.47	0.64
MW-65M2	N	0.35	UJ	1	8/20/04		
MW-65M2	N	0.64	J	1	5/10/04		
MW-65M2	N	0.35	U	1	7/9/02	ND	ND
MW-65S	N	0.35	U	1	4/23/07	ND	ND
MW-65S	N	0.95	J	1	10/10/06	0.95	0.95
MW-65S	N	0.62	J	1	12/5/05	0.84	1.00
MW-65S	N	0.81	J	1	8/29/05		
MW-65S	N	0.91	J	1	5/20/05		
MW-65S	N	1		1	3/22/05		
MW-65S	N	0.83	J	1	8/20/04	0.82	0.83
MW-65S	N	0.8	J	1	5/10/04		
MW-65S	N	1	J	1	9/25/03	1.00	1.00
MW-65S	N	0.35	U	5	8/14/01	ND	ND
MW-65S	N	0.35	UJ	5	8/31/00	ND	ND
MW-66M1	N	0.35	U	1	8/29/05	ND	ND
MW-66M1	N	0.35	UJ	1	8/31/04	ND	ND
MW-66M1	N	0.35	U	1	7/9/02	ND	ND
MW-66M2	N	0.91	J	1	12/6/05	1.09	1.30
MW-66M2	N	1.3		1	8/29/05		
MW-66M2	N	1		1	5/20/05		
MW-66M2	FD	1.14		1	3/18/05		
MW-66M2	N	1.12		1	3/18/05		
MW-66M2	N	1.3	J	1	8/31/04	1.85	2.30

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Well	Sample/Field Duplicate	Perchlorate Result (ug/L)	EPA Qualifier	Reporting Limit (ug/L)	Sample Date	Average of Year (ug/L)	Detected Concentration (ug/L)
MW-66M2	N	1.5	J	1	5/10/04		
MW-66M2	FD	2.3	J	1	2/23/04		
MW-66M2	N	2.3	J	1	2/23/04		
MW-66M2	FD	1.8	J	1	10/2/03	1.58	1.90
MW-66M2	N	1.9	J	1	10/2/03		
MW-66M2	N	1		1	4/3/03		
MW-66M2	N	1.6	J	1	1/30/03		
MW-66M2	N	0.72	J	1	7/9/02	0.72	0.72
MW-66S	N	0.62	J	1	4/24/07	0.62	0.62
MW-66S	N	0.57	J	1	4/24/07		
MW-66S	N	1		1	10/10/06	1.00	1.00
MW-66S	N	1.5		1	12/6/05	1.65	1.98
MW-66S	N	1.4		1	8/29/05		
MW-66S	N	1.7	J	1	5/20/05		
MW-66S	N	1.98		1	3/18/05		
MW-66S	N	2.7	J	1	8/31/04	2.97	3.20
MW-66S	N	3	J	1	5/10/04		
MW-66S	N	3.2	J	1	2/23/04		
MW-66S	N	2.5		1	4/3/03	2.75	3.00
MW-66S	N	3	J	1	1/30/03		
MW-66S	N	2.9		1	8/9/02	2.40	2.90
MW-66S	FD	2.3		1	8/9/02		
MW-66S	N	2		1	7/1/02		
MW-66S	N	2.2	J	5	9/21/01	2.05	2.20
MW-66S	N	1.9	J	5	8/13/01		
MW-66S	N	0.35	UJ	5	8/31/00	ND	ND
RSNW01	N	0.54	J	1	4/11/06	0.54	0.54
RSNW01	N	0.35	U	1	9/9/04	0.41	0.65
RSNW01	N	0.648	J	1	8/4/04		
RSNW01	N	0.416	J	1	7/7/04		
RSNW01	N	0.501	J	1	6/9/04		
RSNW01	N	0.35	U	1	5/12/04		
RSNW01	N	0.35	U		4/14/04		
RSNW01	N	0.35	U	1	3/17/04		
RSNW01	N	0.35	U		2/18/04		
RSNW01	N	0.35	U	1	1/21/04		
RSNW01	N	0.35	U	1	12/10/03	0.35	0.36
RSNW01	N	0.35	U	1	11/12/03		
RSNW01	N	0.35	U	1	10/15/03		
RSNW01	N	0.359	J	1	9/3/03		
RSNW01	N	0.35	U	1	8/6/03		
RSNW01	N	0.35	U	1	7/10/03		
RSNW01	N	0.35	U	1	4/18/03		
RSNW02	N	0.35	U	1	4/18/03	ND	ND
RSNW03	N	2.07		1	9/9/04	1.83	2.07
RSNW03	N	1.93		1	8/18/04		
RSNW03	N	1.91		1	8/4/04		
RSNW03	N	1.86		1	7/21/04		
RSNW03	N	2.01	J	1	7/7/04		
RSNW03	N	1.81		1	6/23/04		
RSNW03	N	1.9		1	6/9/04		
RSNW03	N	1.93		1	5/26/04		
RSNW03	N	1.9		1	5/12/04		
RSNW03	N	1.8		1	4/28/04		
RSNW03	N	1.81			4/14/04		
RSNW03	N	1.83		1	3/31/04		
RSNW03	N	1.79		1	3/17/04		
RSNW03	N	1.65		1	3/3/04		
RSNW03	N	1.7			2/18/04		
RSNW03	FD	1.67		1	2/4/04		
RSNW03	N	1.76		1	2/4/04		

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Well	Sample/Field Duplicate	Perchlorate Result (ug/L)	EPA Qualifier	Reporting Limit (ug/L)	Sample Date	Average of Year (ug/L)	Detected Concentration (ug/L)
RSNW03	N	1.72		1	1/22/04		
RSNW03	N	1.71		1	1/8/04		
RSNW03	N	1.93		1	12/10/03	1.71	1.93
RSNW03	N	1.69		1	11/26/03		
RSNW03	N	1.81		1	11/12/03		
RSNW03	FD	1.85		1	10/29/03		
RSNW03	N	1.85		1	10/29/03		
RSNW03	N	1.6		1	10/15/03		
RSNW03	N	1.68		1	10/1/03		
RSNW03	FD	1.69		1	9/17/03		
RSNW03	N	1.64		1	9/17/03		
RSNW03	N	1.66		1	9/3/03		
RSNW03	FD	1.56		1	8/22/03		
RSNW03	N	1.57		1	8/22/03		
RSNW03	N	1.65		1	8/6/03		
RSNW03	N	1.7		1	7/23/03		
RSNW03	N	1.79		1	7/10/03		
RSNW03	N	1.67		1	5/30/03		
RSNW03	N	1.7		1	5/7/03		
RSNW03	FD	1.8		1	5/7/03		
RSNW03	FD	1.7		1	5/7/03		
RSNW03	N	1.65		1	5/7/03		
RSNW03	N	1.75		1	4/30/03		
RSNW04	N	0.35	U	1	11/10/05	ND	ND
RSNW04	N	0.35	U	1	10/12/04	ND	ND
RSNW04	N	0.35	U	1	5/15/03	ND	ND
RSNW04	FD	0.35	U	1	5/15/03		
RSNW05	FD	0.35	U	1	11/10/05	ND	ND
RSNW05	N	0.35	U	1	11/10/05		
RSNW05	N	0.35	U	1	10/12/04	ND	ND
RSNW05	N	0.35	U	1	5/15/03	ND	ND
RSNW06	N	1.3		1	6/21/06	1.20	1.30
RSNW06	N	1.1		1	3/16/06		
RSNW06	N	0.35	U	1	11/10/05	0.86	1.20
RSNW06	N	1.2		1	5/24/05		
RSNW06	N	1.02		1	2/4/05		
RSNW06	N	0.606	J	1	9/9/04	0.56	0.68
RSNW06	N	0.472	J	1	8/4/04		
RSNW06	N	0.677	J	1	7/7/04		
RSNW06	N	0.357	J	1	6/9/04		
RSNW06	N	0.655	J	1	5/12/04		
RSNW06	N	0.626	J		4/13/04		
RSNW06	N	0.491	J	1	3/22/04		
RSNW06	FD	0.538	J		2/24/04		
RSNW06	N	0.532	J		2/24/04		
RSNW06	N	0.674	J	1	1/21/04		
RSNW06	N	0.43	J	1	12/16/03	0.52	0.73
RSNW06	FD	0.565	J	1	12/16/03		
RSNW06	N	0.731	J	1	11/12/03		
RSNW06	FD	0.51	J	1	10/15/03		
RSNW06	N	0.457	J	1	10/15/03		
RSNW06	N	0.509	J	1	9/3/03		
RSNW06	N	0.431	J	1	8/6/03		
RSNW06	N	0.484	J	1	7/10/03		
RSNW06	N	0.59	J	1	6/12/03		
RSNW06	N	0.475	J	1	5/30/03		
95-6B	N	0.35	U	1	2/6/06	ND	ND
95-6B	N	0.35	U	1	11/3/05	ND	ND
95-6B	N	0.35	U	1	6/14/05		
95-6B	N	0.35	U	1	3/23/05		
95-6B	N	0.35	U	1	9/14/04	ND	ND

Table D.4-1
Perchlorate Results for Northwest Corner
2000 - 2007

Well	Sample/Field Duplicate	Perchlorate Result (ug/L)	EPA Qualifier	Reporting Limit (ug/L)	Sample Date	Average of Year (ug/L)	Detected Concentration (ug/L)
95-6B	N	0.35	U	1	7/14/04		
95-6B	N	0.35	UJ	1	3/10/04		
95-6B	N	0.35	U	1	11/18/03	ND	ND
95-6B	N	0.35	U	1	12/4/02	0.55	0.74
95-6B	N	0.74	J	1	9/4/02		
95-6B	N	0.35	U	5	9/10/01	ND	ND
95-6B	N	0.35	UJ	5	9/13/00	ND	ND
4036011	N	0.35	U	1	5/19/04	ND	ND
4036011	N	0.35	U		2/18/04		
4036011	N	0.35	U	1	12/17/03	0.36	0.40
4036011	N	0.4	J	1	8/22/03		
4036011	N	0.35	U	1	5/23/03		
4036011	FD	0.35	UJ	1	2/27/03		
4036011	N	0.35	U	1	2/27/03		
4036011	FD	0.35	U	1	11/20/02	ND	ND
4036011	N	0.35	U	1	11/20/02		
4036011	N	0.35	U	1	8/16/02		
4036011	FD	0.35	U	5	10/2/01	ND	ND
4036011	N	0.35	U	5	10/2/01		
MW-441M1	N	0.4	J	1	3/5/07	0.40	0.40
MW-441M1	N	0.35	U	1	11/3/06	0.54	0.72
MW-441M1	N	0.72	J	1	7/10/06		
MW-441M2	N	0.35	U	1	3/5/07	ND	ND
MW-441M2	N	0.35	U	1	11/3/06	ND	ND
MW-441M2	N	0.35	U	1	6/29/06		

Abbreviations:

FD field duplicate
J estimated value
N normal
U below detection limit
UJ Estimated Non-Detect
ug/L microgram per liter

Table D.4-2
RDX Results for Northwest Corner
1997 - 2006

Well	Sample/Field Duplicate	RDX Result (ug/L)	EPA Qualifier	Reporting Limit (ug/L)	Sample Date
4036009	N	ND	U	0.25	11/21/05
4036009	N	ND	U	0.25	08/23/05
4036009	N	ND	U	0.25	04/04/05
4036009	N	ND	U	0.25	12/13/04
4036009	N	ND	U	0.25	08/18/04
4036009	N	ND	U	0.25	05/19/04
4036009	FD	ND	U	0.25	05/19/04
4036009	N	ND	U	0.25	02/17/04
4036009	N	ND	U	0.25	11/24/03
4036009	N	ND	U	0.25	09/03/03
4036009	N	ND	U	0.25	12/20/02
4036009	FD	ND	U	0.25	12/20/02
95-13	N	ND	U	0.25	07/09/04
95-15	N	ND	U	0.25	05/05/03
95-15B	N	ND	UJ	0.25	03/06/03
95-15C	N	ND	U	0.25	10/20/05
95-15C	N	ND	U	0.25	09/15/04
95-15C	N	ND	U	0.25	11/17/03
95-15C	N	ND	U	0.25	09/04/02
95-15C	N	ND	U	0.25	10/08/01
95-15C	N	ND	U	0.25	09/08/00
95-15E	N	ND	U	0.25	05/01/03
95-16	N	ND	U	0.25	05/07/03
95-6A	N	ND	U	0.25	11/03/05
95-6A	N	ND	U	0.25	09/14/04
95-6A	N	ND	U	0.25	03/10/04
95-6A	N	ND	U	0.25	11/18/03
95-6A	N	ND	UJ	0.25	05/13/03
95-6A	N	ND	U	0.25	01/16/03
95-6A	N	ND	U	0.25	09/06/02
95-6A	N	ND	U	0.25	05/21/02
95-6A	N	ND	U	0.25	12/17/01
95-6A	N	ND	U	0.25	09/10/01
95-6A	N	ND	U	0.25	05/19/01
95-6A	N	ND	U	0.25	12/21/00
95-6A	N	ND	U	0.25	09/12/00
95-6A	N	ND	U	0.25	06/14/00
95-6A	N	ND	U	0.25	11/09/99
95-6ED	N	ND	U	0.25	09/21/05
95-6ED	N	ND	U	0.25	09/10/04
95-6ED	N	ND	U	0.25	03/10/04
95-6ED	N	ND	U	0.25	11/14/03
95-6ED	FD	ND	U	0.25	05/01/03
95-6ED	N	ND	U	0.25	05/01/03
95-6ES	N	ND	U	0.25	09/21/05
95-6ES	FD	ND	U	0.25	09/21/05
95-6ES	N	ND	U	0.25	09/15/04
95-6ES	N	ND	U	0.25	11/18/03
95-6ES	N	ND	U	0.25	09/11/01

Table D.4-2
RDX Results for Northwest Corner
1997 - 2006

Well	Sample/Field Duplicate	RDX Result (ug/L)	EPA Qualifier	Reporting Limit (ug/L)	Sample Date
95-6ES	N	ND	U	0.25	09/14/00
95-6ES	N	ND	U	0.25	11/16/99
BHW216	N	ND	U	0.25	04/10/03
BHW217	N	ND	U	0.25	04/10/03
BHW218	N	ND	U	0.25	04/10/03
BHW220	N	ND	U	0.25	04/11/03
CMW-1	N	ND	U	0.25	07/09/04
CMW-1	FD	ND	U	0.25	07/09/04
CMW-1	N	ND	U	0.25	05/07/03
CWNW01	N	ND	U	0.25	07/10/03
HW-1	FD	ND	U	0.25	03/05/03
HW-1	N	ND	U	0.25	03/05/03
HW-2	N	ND	U	0.25	03/08/06
HW-2	N	ND	U	0.25	11/12/05
HW-2	N	ND	U	0.25	06/20/05
HW-2	N	ND	U	0.25	09/30/04
HW-2	N	ND	U	0.25	06/03/04
HW-2	FD	ND	U	0.25	06/03/04
HW-2	N	ND	U	0.25	02/19/04
HW-3	N	ND	U	0.25	02/19/04
LRMW9515	N	ND	U	0.25	10/20/05
LRMW9515	N	ND	U	0.25	10/14/04
LRMW9515	N	ND	U	0.25	11/17/03
LRMW9515	N	ND	U	0.25	09/04/02
LRMW9515	N	ND	U	0.25	09/05/01
LRMW9515	FD	ND	U	0.25	09/20/00
LRMW9515	N	ND	U	0.25	09/20/00
LRMW9515	N	ND	U	0.25	11/10/99
LRMW9515	N	ND	U	0.25	09/24/99
LRMW9515	N	ND	U	0.25	03/24/99
LRMW9515	N	ND	U	0.25	10/17/97
MW-21D	N	ND	U	0.25	09/01/99
MW-21D	N	ND	U	0.25	03/19/99
MW-21D	N	ND	U	0.25	10/14/97
MW-21M1	N	ND	U	0.25	10/28/99
MW-21M1	N	ND	U	0.25	09/01/99
MW-21M1	N	ND	U	0.25	04/08/99
MW-21M2	N	ND	U	0.25	08/07/00
MW-21M2	N	ND	U	0.25	11/01/99
MW-21M2	N	ND	U	0.25	09/02/99
MW-21M2	N	ND	U	0.25	04/01/99
MW-21M3	N	ND	U	0.25	11/01/99
MW-21M3	N	ND	U	0.25	09/02/99
MW-21M3	N	ND	U	0.25	04/01/99

Table D.4-2
RDX Results for Northwest Corner
1997 - 2006

Well	Sample/Field Duplicate	RDX Result (ug/L)	EPA Qualifier	Reporting Limit (ug/L)	Sample Date
MW-21S	N	ND	U	0.25	09/02/99
MW-21S	N	ND	U	0.25	03/19/99
MW-21S	N	ND	U	0.25	10/24/97
MW-270D	N	ND	U	0.25	09/01/05
MW-270D	N	ND	U	0.25	02/10/05
MW-270D	N	ND	U	0.25	09/10/04
MW-270D	N	ND	U	0.25	04/29/04
MW-270D	N	ND	U	0.25	01/06/04
MW-270D	N	ND	U	0.25	09/30/03
MW-270D	FD	ND	U	0.25	09/30/03
MW-270D	N	ND	U	0.25	06/16/03
MW-270M1	FD	ND	U	0.25	12/12/05
MW-270M1	N	ND	U	0.25	12/12/05
MW-270M1	N	ND	U	0.25	09/01/05
MW-270M1	N	ND	U	0.25	06/08/05
MW-270M1	N	ND	U	0.25	02/10/05
MW-270M1	N	ND	U	0.25	09/10/04
MW-270M1	N	ND	U	0.25	04/29/04
MW-270M1	N	ND	U	0.25	01/06/04
MW-270M1	FD	ND	U	0.25	01/06/04
MW-270M1	N	ND	U	0.25	09/30/03
MW-270M1	FD	ND	U	0.25	09/30/03
MW-270M1	N	ND	U	0.25	06/16/03
MW-270M1	FD	ND	U	0.25	06/16/03
MW-270S	N	ND	U	0.25	12/12/05
MW-270S	N	ND	U	2.8	09/01/05
MW-270S	N	ND	U	4	06/08/05
MW-270S	N	ND	U	0.25	02/10/05
MW-270S	N	ND	U	0.25	09/10/04
MW-270S	N	0.28		0.25	04/29/04
MW-270S	N	ND	U	0.25	01/06/04
MW-270S	N	ND	U	0.41	09/30/03
MW-270S	N	ND	U	4	06/16/03
MW-277M1	N	ND	U	0.25	03/17/04
MW-277M1	N	ND	U	0.25	12/05/03
MW-277M1	FD	ND	U	0.25	07/09/03
MW-277M1	N	ND	U	0.25	07/09/03
MW-277S	N	ND	U	0.25	03/17/04
MW-277S	N	ND	U	0.25	12/12/03
MW-277S	N	ND	U	0.25	07/10/03
MW-278M1	N	ND	U	0.25	03/17/04
MW-278M1	N	ND	U	0.25	12/03/03
MW-278M1	N	ND	U	0.25	07/15/03
MW-278M2	N	ND	U	0.25	03/17/04
MW-278M2	FD	ND	U	0.25	12/03/03
MW-278M2	N	ND	U	0.25	12/03/03
MW-278M2	FD	ND	U	0.25	07/16/03
MW-278M2	N	ND	U	0.25	07/16/03
MW-278S	N	ND	U	0.25	07/18/03

Table D.4-2
RDX Results for Northwest Corner
1997 - 2006

Well	Sample/Field Duplicate	RDX Result (ug/L)	EPA Qualifier	Reporting Limit (ug/L)	Sample Date
MW-279M1	N	ND	U	0.25	03/17/04
MW-279M1	N	ND	U	0.25	12/10/03
MW-279M1	N	ND	U	0.25	07/30/03
MW-279M2	FD	ND	U	0.25	03/17/04
MW-279M2	N	ND	U	0.25	03/17/04
MW-279M2	N	ND	U	0.25	12/10/03
MW-279M2	N	ND	U	0.25	07/30/03
MW-279M2	FD	ND	U	0.25	07/30/03
MW-279S	N	ND	U	0.25	03/17/04
MW-279S	N	ND	U	0.25	12/10/03
MW-279S	N	ND	U	0.25	07/30/03
MW-283M1	N	ND	U	0.25	09/19/05
MW-283M1	FD	ND	U	0.25	09/19/05
MW-283M1	N	ND	U	0.25	03/22/04
MW-283M1	N	ND	U	0.25	12/02/03
MW-283M1	FD	ND	U	0.25	09/16/03
MW-283M1	N	ND	U	0.25	09/16/03
MW-284M1	N	0.9		0.25	04/11/06
MW-284M1	N	0.79		0.25	01/03/06
MW-284M1	N	0.86		0.25	09/19/05
MW-284M1	N	0.9		0.25	06/10/05
MW-284M1	N	0.86	J	0.25	02/15/05
MW-284M1	N	0.87		0.25	08/26/04
MW-284M1	N	0.91		0.25	03/10/04
MW-284M1	N	0.93		0.25	12/02/03
MW-284M1	N	0.88		0.25	09/12/03
MW-284M1	FD	0.88		0.25	09/12/03
MW-284M2	N	0.25		0.25	04/11/06
MW-284M2	FD	0.27		0.25	04/11/06
MW-284M2	N	0.27	J	0.25	01/03/06
MW-284M2	N	0.31	J	0.25	09/19/05
MW-284M2	N	0.28		0.25	06/10/05
MW-284M2	FD	0.27		0.25	06/10/05
MW-284M2	N	0.28	J	0.25	02/15/05
MW-284M2	N	0.38		0.25	08/26/04
MW-284M2	N	0.38		0.25	03/10/04
MW-284M2	N	0.35		0.25	12/02/03
MW-284M2	N	0.34		0.25	09/12/03
MW-287M1	N	ND	U	0.25	06/22/04
MW-287M1	N	ND	U	0.25	03/23/04
MW-287M1	N	ND	U	0.25	12/08/03
MW-287S	N	ND	U	0.25	06/22/04
MW-287S	N	ND	U	0.25	03/23/04
MW-287S	N	ND	U	0.25	12/08/03
MW-297M1	N	ND	U	0.25	06/22/04
MW-297M1	N	ND	U	0.25	03/23/04
MW-297M1	N	ND	U	0.25	12/22/03
MW-297S	N	ND	U	0.25	06/22/04

Table D.4-2
RDX Results for Northwest Corner
1997 - 2006

Well	Sample/Field Duplicate	RDX Result (ug/L)	EPA Qualifier	Reporting Limit (ug/L)	Sample Date
MW-297S	N	ND	U	0.25	03/23/04
MW-297S	N	ND	U	0.25	12/23/03
MW-298M1	N	ND	U	0.25	08/11/04
MW-298M1	N	ND	U	0.25	05/14/04
MW-298M1	N	ND	U	0.25	02/12/04
MW-298M2	N	ND	U	0.25	08/11/04
MW-298M2	N	ND	U	0.25	05/14/04
MW-298M2	FD	ND	U	0.25	05/14/04
MW-298M2	N	ND	U	0.25	02/12/04
MW-298S	N	ND	U	0.25	08/11/04
MW-298S	N	ND	U	0.25	05/14/04
MW-298S	N	ND	U	0.25	02/11/04
MW-299M1	N	ND	U	0.25	08/11/04
MW-299M1	N	ND	U	0.25	05/24/04
MW-299M1	N	ND	U	0.25	02/25/04
MW-299S	N	ND	U	0.25	08/11/04
MW-299S	N	ND	U	0.25	05/24/04
MW-299S	N	ND	U	0.25	02/25/04
MW-301M1	N	ND	U	0.25	08/26/05
MW-301M1	N	ND	U	0.25	08/12/04
MW-301M1	FD	ND	U	0.25	08/12/04
MW-301M1	N	ND	U	0.25	05/21/04
MW-301M1	FD	ND	U	0.25	05/21/04
MW-301M1	FD	ND	U	0.25	02/25/04
MW-301M1	N	ND	U	0.25	02/25/04
MW-301S	N	ND	U	0.25	08/26/05
MW-301S	N	ND	U	0.25	08/12/04
MW-301S	N	ND	U	0.25	05/21/04
MW-301S	N	ND	U	0.25	02/25/04
MW-309M1	N	ND	U	0.25	08/25/05
MW-309M1	N	ND	U	0.25	09/15/04
MW-309M1	N	ND	U	0.25	06/15/04
MW-309M1	N	ND	U	0.25	03/08/04
MW-309S	N	ND	U	0.25	08/25/05
MW-309S	N	ND	U	0.25	09/15/04
MW-309S	N	ND	U	0.25	06/15/04
MW-309S	N	ND	U	0.25	03/08/04
MW-314M1	N	ND	U	0.25	09/22/04
MW-314M1	N	ND	U	0.25	06/22/04
MW-314M1	FD	ND	U	0.25	03/23/04
MW-314M1	N	ND	U	0.25	03/23/04
MW-314S	N	ND	U	0.25	09/22/04
MW-314S	N	ND	U	0.25	06/23/04
MW-314S	N	ND	U	0.25	03/23/04
MW-320M1	FD	ND	U	0.25	10/14/04

Table D.4-2
RDX Results for Northwest Corner
1997 - 2006

Well	Sample/Field Duplicate	RDX Result (ug/L)	EPA Qualifier	Reporting Limit (ug/L)	Sample Date
MW-320M1	N	ND	U	0.25	10/14/04
MW-320M1	N	ND	U	0.25	07/13/04
MW-320M1	FD	ND	U	0.25	07/13/04
MW-320M1	N	ND	U	0.25	04/14/04
MW-320S	N	ND	U	0.25	10/14/04
MW-320S	N	ND	U	0.25	07/13/04
MW-320S	N	ND	U	0.25	04/14/04
MW-323M1	FD	0.85		0.25	04/12/06
MW-323M1	N	0.86		0.25	04/12/06
MW-323M1	N	1.3	J	0.25	12/07/05
MW-323M1	N	1.2	J	0.25	07/20/05
MW-323M1	N	1.1	J	0.25	06/15/05
MW-323M1	N	1.5		0.25	10/08/04
MW-323M1	N	1.5		0.25	07/27/04
MW-323M1	N	1.2		0.25	04/19/04
MW-323M2	N	3.6		0.25	04/12/06
MW-323M2	N	7.6		0.25	12/07/05
MW-323M2	N	8.4		0.25	07/20/05
MW-323M2	N	9.5		0.25	06/15/05
MW-323M2	N	9.6		0.25	10/08/04
MW-323M2	N	6.5		0.25	07/27/04
MW-323M2	FD	6.6		0.25	07/27/04
MW-323M2	N	5.7		0.25	04/19/04
MW-323S	N	ND	U	0.25	12/07/05
MW-323S	N	ND	U	0.25	07/20/05
MW-323S	N	ND	U	0.25	06/15/05
MW-323S	N	ND	U	0.25	10/08/04
MW-323S	N	ND	U	0.25	07/27/04
MW-323S	N	ND	U	0.25	04/19/04
MW-332S	N	ND	U	0.25	12/22/04
MW-332S	N	ND	U	0.25	09/28/04
MW-332S	N	ND	U	0.25	06/15/04
MW-338M1	N	ND	U	0.25	01/21/05
MW-338M1	N	ND	U	0.25	10/14/04
MW-338M1	N	ND	U	0.25	08/18/04
MW-338M1	N	ND	U	0.25	07/22/04
MW-338M2	N	ND	U	0.25	01/12/06
MW-338M2	N	ND	U	0.25	10/20/05
MW-338M2	N	ND	U	0.25	01/21/05
MW-338M2	N	ND	U	0.25	10/14/04
MW-338M2	N	ND	U	0.25	08/18/04
MW-338M2	FD	ND	U	0.25	08/18/04
MW-338M2	N	ND	U	0.25	07/22/04
MW-338S	N	0.25		0.25	04/12/06
MW-338S	N	0.35		0.25	01/12/06
MW-338S	N	0.42	J	0.25	10/20/05
MW-338S	N	ND	U	0.25	01/21/05
MW-338S	N	ND	U	0.25	10/14/04
MW-338S	N	0.25		0.25	08/18/04
MW-338S	N	0.25	J	0.25	07/22/04

Table D.4-2
RDX Results for Northwest Corner
1997 - 2006

Well	Sample/Field Duplicate	RDX Result (ug/L)	EPA Qualifier	Reporting Limit (ug/L)	Sample Date
MW-344M1	N	ND	U	0.25	05/25/05
MW-344M1	N	ND	U	0.25	02/17/05
MW-344M1	N	ND	U	0.25	09/27/04
MW-344M2	N	ND	U	0.25	05/25/05
MW-344M2	N	ND	U	0.25	02/18/05
MW-344M2	N	ND	U	0.25	09/27/04
MW-344S	N	ND	U	0.25	05/25/05
MW-344S	N	ND	U	0.25	02/18/05
MW-344S	N	ND	U	0.25	09/27/04
MW-350M1	N	ND	U	0.25	05/25/05
MW-350M1	N	ND	U	0.25	02/17/05
MW-350M1	FD	ND	U	0.25	02/17/05
MW-350M1	N	ND	U	0.25	10/12/04
MW-350M2	N	0.37		0.25	04/12/06
MW-350M2	N	0.43		0.25	02/02/06
MW-350M2	N	1.9		0.25	10/17/05
MW-350M2	FD	0.44		0.25	05/25/05
MW-350M2	N	0.46	J	0.25	05/25/05
MW-350M2	N	ND	U	0.25	02/17/05
MW-350M2	FD	ND	U	0.25	10/12/04
MW-350M2	N	ND	U	0.25	10/12/04
MW-65M1	N	ND	U	0.25	04/25/00
MW-65M1	N	ND	U	0.25	02/10/00
MW-65M1	N	ND	U	0.25	10/26/99
MW-65M2	N	ND	U	0.25	04/25/00
MW-65M2	N	ND	U	0.25	02/11/00
MW-65M2	N	ND	U	0.25	10/28/99
MW-65S	N	ND	U	0.25	06/22/06
MW-65S	N	ND	U	0.25	08/29/05
MW-65S	N	ND	U	0.25	08/20/04
MW-65S	N	ND	U	0.25	09/25/03
MW-65S	N	ND	U	0.25	08/14/01
MW-65S	N	ND	U	0.25	08/31/00
MW-65S	N	ND	UJ	0.25	04/27/00
MW-65S	N	ND	U	0.25	02/10/00
MW-65S	N	ND	U	0.25	10/26/99
MW-66M1	N	ND	U	0.25	04/27/00
MW-66M1	N	ND	U	0.25	02/09/00
MW-66M1	N	ND	U	0.25	10/20/99
MW-66M2	N	ND	U	0.25	04/27/00
MW-66M2	N	ND	U	0.25	02/10/00
MW-66M2	N	ND	U	0.25	10/20/99
MW-66S	N	ND	U	0.25	06/22/06
MW-66S	N	ND	U	0.25	08/29/05
MW-66S	N	ND	U	0.25	08/31/04
MW-66S	FD	ND	U	0.25	08/09/02

Table D.4-2
RDX Results for Northwest Corner
1997 - 2006

Well	Sample/Field Duplicate	RDX Result (ug/L)	EPA Qualifier	Reporting Limit (ug/L)	Sample Date
MW-66S	N	ND	U	0.25	08/09/02
MW-66S	N	ND	U	0.25	08/13/01
MW-66S	N	ND	U	0.25	08/31/00
MW-66S	N	ND	U	0.25	05/01/00
MW-66S	N	ND	U	0.25	02/10/00
MW-66S	N	ND	U	0.25	10/20/99
RSNW01	N	ND	U	0.25	09/09/04
RSNW01	N	ND	U	0.25	08/04/04
RSNW01	N	ND	U	0.25	07/07/04
RSNW01	N	ND	U	0.25	06/09/04
RSNW01	N	ND	U	0.25	05/12/04
RSNW01	N	ND	U	0.25	04/14/04
RSNW01	N	ND	U	0.25	03/17/04
RSNW01	N	ND	U	0.25	02/18/04
RSNW01	N	ND	U	0.25	01/21/04
RSNW01	N	ND	U	0.25	12/10/03
RSNW01	N	ND	U	0.25	11/12/03
RSNW01	N	ND	U	0.25	10/15/03
RSNW01	N	ND	U	0.25	09/03/03
RSNW01	N	ND	U	0.25	08/06/03
RSNW01	N	ND	U	0.25	07/10/03
RSNW01	N	ND	U	0.25	04/18/03
RSNW02	N	ND	U	0.25	04/18/03
RSNW03	N	ND	U	0.25	09/09/04
RSNW03	N	ND	U	0.25	08/04/04
RSNW03	N	ND	U	0.25	07/07/04
RSNW03	N	ND	U	0.25	06/09/04
RSNW03	N	ND	U	0.25	05/12/04
RSNW03	N	ND	U	0.25	04/14/04
RSNW03	N	ND	U	0.25	03/17/04
RSNW03	N	ND	U	0.25	02/18/04
RSNW03	N	ND	U	0.25	01/22/04
RSNW03	N	ND	U	0.25	12/10/03
RSNW03	N	ND	U	0.25	11/12/03
RSNW03	N	ND	U	0.25	10/15/03
RSNW03	N	ND	U	0.25	09/03/03
RSNW03	N	ND	U	0.25	08/06/03
RSNW03	N	ND	U	0.25	07/10/03
RSNW03	N	ND	U	0.25	06/25/03
RSNW03	N	ND	U	0.25	04/30/03
RSNW04	N	ND	U	0.25	11/10/05
RSNW04	N	ND	U	0.25	10/12/04
RSNW04	FD	ND	UJ	0.25	05/15/03
RSNW04	N	ND	UJ	0.25	05/15/03
RSNW05	N	ND	U	0.25	11/10/05
RSNW05	FD	ND	U	0.25	11/10/05
RSNW05	N	ND	U	0.25	10/12/04
RSNW05	N	ND	UJ	0.25	05/15/03
RSNW06	N	ND	U	0.25	06/21/06
RSNW06	N	ND	U	0.25	03/16/06
RSNW06	N	ND	U	0.25	11/10/05
RSNW06	N	ND	U	0.25	05/24/05

Table D.4-2
RDX Results for Northwest Corner
1997 - 2006

Well	Sample/Field Duplicate	RDX Result (ug/L)	EPA Qualifier	Reporting Limit (ug/L)	Sample Date
RSNW06	N	0.26		0.25	02/04/05
RSNW06	N	0.29		0.25	09/09/04
RSNW06	N	0.25		0.25	08/04/04
RSNW06	N	0.26		0.25	07/07/04
RSNW06	N	ND	U	0.25	06/09/04
RSNW06	N	0.33		0.25	05/12/04
RSNW06	N	ND	U	0.25	04/23/04
RSNW06	N	ND	U	0.25	03/22/04
RSNW06	FD	0.29		0.25	02/24/04
RSNW06	N	0.3		0.25	02/24/04
RSNW06	N	0.3		0.25	01/21/04
RSNW06	FD	0.28		0.25	12/16/03
RSNW06	N	ND	U	0.25	12/16/03
RSNW06	N	0.29	J	0.25	11/12/03
RSNW06	N	0.27	J	0.25	10/15/03
RSNW06	FD	0.29		0.25	10/15/03
RSNW06	N	0.26		0.25	09/03/03
RSNW06	N	0.26		0.25	08/06/03
RSNW06	N	ND	U	0.25	07/10/03
RSNW06	N	ND	U	0.25	06/12/03
RSNW06	N	0.25		0.25	05/30/03
95-6B	N	ND	U	0.25	11/03/05
95-6B	N	ND	U	0.25	09/14/04
95-6B	N	ND	U	0.25	03/10/04
95-6B	N	ND	U	0.25	11/18/03
95-6B	FD	ND	U	0.25	05/13/03
95-6B	N	ND	U	0.25	05/13/03
95-6B	N	ND	U	0.25	12/04/02
95-6B	N	ND	U	0.25	09/04/02
95-6B	N	ND	U	0.25	05/21/02
95-6B	N	ND	U	0.25	12/17/01
95-6B	N	ND	U	0.25	09/10/01
95-6B	N	ND	U	0.25	05/19/01
95-6B	N	ND	U	0.25	12/22/00
95-6B	N	ND	U	0.25	09/13/00
95-6B	N	ND	U	0.25	06/07/00
95-6B	N	ND	U	0.25	09/23/99
95-6B	N	ND	U	0.25	03/24/99
95-6B	N	ND	U	0.25	10/17/97
4036011	N	ND	U	0.25	05/19/04
4036011	N	ND	U	0.25	02/18/04
4036011	N	ND	U	0.25	12/17/03
4036011	N	ND	U	0.25	08/22/03
4036011	N	ND	U	0.25	05/23/03
4036011	FD	ND	U	0.25	02/27/03
4036011	N	ND	U	0.25	02/27/03
4036011	FD	ND	U	0.25	11/20/02
4036011	N	ND	U	0.25	11/20/02
4036011	FD	ND	U	0.25	09/03/02
4036011	N	ND	U	0.25	09/03/02
4036011	N	0.28	J	0.25	08/16/02
4036011	N	ND	U	0.25	10/02/01
4036011	FD	ND	U	0.25	10/02/01
4036011	N	ND	U	0.25	10/05/99
4036011	N	ND	UJ	0.25	02/02/99

Table D.4-2
RDX Results for Northwest Corner
1997 - 2006

Well	Sample/Field Duplicate	RDX Result (ug/L)	EPA Qualifier	Reporting Limit (ug/L)	Sample Date
4036011	N	ND	U	0.25	10/23/97
MW-441M1	N	1.3		0.25	11/3/06
MW-441M1	N	1.4		0.25	7/10/06
MW-441M2	N	0.25	U	0.25	11/3/06
MW-441M2	N	0.25	U	0.25	6/29/06

Abbreviations:

FD field duplicate
J estimated value
N normal
U below detection limit
UJ Estimated Non-Detect
UTM-m Universal Transverse Mercator coordinates in meters
ug/L microgram per liter

APPENDIX E Feasibility Study
Alternative Cost Evaluation

Northwest Corner
Remedial Investigation/Feasibility Study
Table E-1 Summary of Costs

Component costs for Alternative 1
(No Action - Baseline):

Capital Cost		$ 50,000
		All Years*
Annual O&M		$0
Site closeout report		$100,000
Total Cost		**$ 150,000**

Component costs for Alternative 2
(Natural Attenuation and Land-Use Controls):

Capital Cost		$ 50,000
		All Years*
Annual O&M		$ 1,048,000
Site closeout report		$100,000
Total Cost		**$ 1,198,000**

Component costs for Alternative 3
(Focused Extraction):

Capital Cost		$ 4,932,000
		All Years*
Annual O&M		$ 4,757,000
Site closeout report		$ 100,000
Total Cost		**$ 9,789,000**

* Annual O&M for all years includes the Net Present Value of the cost, based on the number of years covered by the Alternative.

Note: Discrepancies between summary costs and detailed costs may occur due to rounding.

Northwest Corner
Remedial Investigation/Feasibility Study
Table E-1 Summary of Costs

Alternative 1 - No Action

ITEM		TOTAL COST
Capital Cost - Well Abandonment		$ 50,000
Operating and Maintenance Costs		$ -
Project Closeout Documentation		$ 100,000
Total Cost of No Action		**$ 150,000**

Alternative 2 - Natural Attenuation and Land-Use Controls

ITEM		TOTAL COST
Capital Cost - Well Abadonment		$ 50,000
Operating and Maintenance Costs		
Monitoring Costs for First 6 Years	$ 652,000	
Monitoring Costs for Next 9 Years	$ 237,000	
Monitoring Costs for Final 3 Years	$ 100,000	
Five-Year Reviews	$ 59,000	
Total Operation and Maintenance Costs		$ 1,048,000
Project Site Closeout Documentation		$ 100,000
Total Cost of Alternative 2 - Natural Attenuation and Land-Use Controls		**$ 1,198,000**

Alternative 3 - Focused Extraction

ITEM	TOTAL COST
Capital Cost	
A. Extraction Wells and Development	$ 600,000
B. Injection Wells	$ 525,000
C. PM/Engineering/Construction	$ 2,002,500
D. Treatment Systems/Piping	$ 1,654,500
E. Well Abandonment	$ 150,000
Total Construction Cost	$ 4,932,000
Operating and Maintenance Costs	$ 4,757,000
Project Site Closeout	
Project Site Closeout Documentation	$ 100,000
Total Cost of Alternative 3 - Focused Extraction	**$ 9,789,000**