WEEKLY PROGRESS UPDATE
FOR JUNE 25 – JUNE 29, 2001

EPA REGION I ADMINISTRATIVE ORDERS SDWA 1-97-1019 & 1-2000-0014
MASSACHUSETTS MILITARY RESERVATION
TRAINING RANGE AND IMPACT AREA

The following summary of progress is for the period from June 25 to June 29, 2001.

1. SUMMARY OF ACTIONS TAKEN

Drilling progress as of June 29 is summarized in Table 1.

Table 1. Drilling progress as of June 29, 2001

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-173	Demo 1 Area well (D1P-6)	340	207	188-198 208-218 243-253
MW-174	Old D Range Well (SAR-1)	0		

Bgs = below ground surface
Bwt = below water table

Completed installation of MW-173 (D1P-6). Set-up drill rig at MW-174 (SAR-1). Continued well development of newly installed wells including MW-173.

Samples collected during the reporting period are summarized in Table 2. Groundwater sampling was also continued for the first through fourth rounds of newly installed wells (including the MW-170 at the former K Range). Raccoon Lane well, 90PZ0211, was also sampled. Split samples of Snake Pond drive points and a residential well on Green Acres Lane were collected. Additional delineation and post-detonation soil sampling was completed at Mortar Target 9. As part of the HUTA investigation, soil samples were collected from the Test Pit 3 area.

The Guard, EPA, and MADEP had a meeting on June 28 to discuss technical issues, including the following:

Attendees

Dave Hill (IAGWSPO)
Karen Wilson (IAGWSPO)
Mike Jasinski (EPA)
Len Pinaud (MADEP)
Darrell Deleppo (ACE)
Ed Wise (ACE)
Ben Rice (AMEC)
Jay Clausen (AMEC-phone)
Leo Montroy (Tt-phone)
Ken Gaynor (Jacobs)
Deirdre DeBaggis (CH_2MHill)
Don Walter (USGS-phone)
Bill Gallagher (IAGWSPO)
Tina Dolen (IAGWSPO)
Jane Dolan (EPA)
Mark Panni (MADEP)
Heather Sullivan (ACE)
Scott Veenstra (AMEC-phone)
John Rice (AMEC-phone)
Russ Johnson (AMEC-phone)
Keith Comer (Robbins-Gioia)
Mark Hutson (Foothill Engineering)
LTC Bill Fitzpatrick (MAARNG)
CPT Bill Meyer (IAGWSPO)
Todd Borci (EPA-phone)
Jim Murphy (EPA)
Ellie Grillo (MADEP)
John MacPherson (ACE)
Kim Harriz (AMEC)
Herb Colby (AMEC)
Larry Hudgins (Tetra Tech)
Steve Denaham (Ellis)
Adam Balogh (TRC–phone)
Dave Williams (MDPH)

Well Locations Discussion (D1P-7 and CIAP-2)

- AMEC distributed revised particle track maps for Demo 1 Area, modeled using AMEC's Demo 1 Subregional Model. Three particles spaced 200 feet apart were modeled originating across the Demo 1 Area depression and tracked forward across Pew Road. The tracks were south of the tracks produced using the Regional Model, but had a similar path, curving northward slightly as the tracks extended downgradient of the Demo 1 Area. Jay Clausen (AMEC) indicated that the more southerly track reflected loosening (increasing the hydraulic conductivity) of the moraine for the Subregional model. MW-173 was shown located approximately 50 feet south of the most southerly located track. An inset map showed four possible sites for wells, two north of MW-173 at a 200-foot spacing (1N and 2N) and two south at a 200 foot spacing (1S and 2S). Proposed well D1P-7 was located at position 1N, on the middle track in a cleared area along the east side of Pew Road, approximately 200 feet north of MW-173.
- Heather Sullivan (ACE) indicated that funding was already procured for D1P-7 and funding for an additional well (D1P-8) has been requested. Karen Wilson (IAGWPSO) indicated that the proposed location would require minimal vegetation removal and likely the Record of Action (ROA) would be readily approved.
- Todd Borci (EPA) and Mike Jasinski (EPA) inquired if the modeling was performed with the Bourne wells on or off. Jay Clausen (AMEC) indicated that the modeling was performed with the Bourne wells on, however, he was not certain if the modeling could be rerun with the wells off, because the Subregional model might not extend to include the Bourne wells. Mr. Clausen to check and see if this could be accomplished.
- Mr. Jasinski requested that AMEC discuss the modeling with the USGS [to which Don Walter (USGS) reported that he had been consulted] and discuss a D1P-8 location, particularly the utility of placing a well between Frank Perkins and Pew Road. Discussion generally ensued on various location possibilities that ultimately would be dependent on results of D1P-7. Most likely locations were generally agreed to be 1S and 2N locations. Karen Wilson (IAGWSPO) indicated that there might be some problems with approval of the 2N location because of evidence that it was used as box turtle habitat. However, because box turtles and their habitat are abundant on base, this may not be an issue.
- Todd Borci (EPA) suggested that the Guard consider now, the logistics of future monitoring needs and locations given that a remediation system would be installed at the Demo 1 Area site.
- Karen Wilson (IAGWSPO) indicated that the concern with the CIAP-2 location on Goat Pasture Road was that this previously disturbed area was growing back well and is part of a contiguous habitat. Hanni Dinkeloo was concerned about placing a well here and would prefer a location on Spruce Swamp Road. Todd Borci (EPA) responded that CIAP-1 (five-corners area) well should be installed first and that the CIAP-2 location would be reconsidered once information on this well was reviewed.

AIRMAG Ground Truthing Update

- Larry Hudgins (Tetra Tech) distributed a table showing findings from this weeks ground truthing effort at U (Uniform) Range. The table included findings for the investigation of 10 anomalies or targets. Information in the table included date validated, GPS coordinates, surface appearance, presence of surface metal, understory thickness, canopy cover, topography, surface geology, and interpretive comments.
- Hot rocks in comment column means magnetic rocks.
- Five pictures were taken of area of each anomaly. Area of each anomaly was investigated within 10 meters with a magnetometer.
- Jane Dolan (EPA) requested that Guard verify that the ground truthing procedure was as described in Attachment A to the Guard's proposal. Ms. Dolan also indicated that EPA was

requesting that the date for the Draft MSP be made an enforceable deadline.

J Range Plan Update

- Dave Hill (IAGWSPO) indicated that the USGS received the diffusion samplers and would be testing them in the lab this week using standards. The remaining schedule was progressing as described by the USGS in their email that had been distributed at the 6/14 meeting.
- Four wells for field-testing the diffusion samplers would be proposed by AMEC by the end of the week. Wells with 5-foot screens were being proposed so that discrete intervals could be monitored for more accurate results.
- Jane Dolan (EPA) requested that the concentrations of standards and proposed wells for field test be provided to EPA by the next Tech meeting.
- Mike Jasinski (EPA) inquired about the recent Snake Pond surface water samples. Herb Colby (AMEC) indicated that the results for these samples might not be available until Monday.

HUTA-1 Backfill

- Larry Hudgins (Tetra Tech) indicated that Test Pit 3 was completed. Only Test Pit 5 is left. Test Pit 6 is an open excavation awaiting results to backfill. The road between Test Pit 5 and 6 is unstable because Test Pit 6 is still open.
- Tetra Tech would like to backfill Test Pit 6 with Test Pit 4 soil (at least to shore up one side of the pit) before excavating to the base of Test Pit 5. Tetra Tech will reach depth in Test Pit 5 in 2 weeks and will need resolution of this problem by then. The analytical data for Test Pit 4 and additional data on Test Pit 6 should be available by next week.
- Mike Jasinski (EPA) indicated that a decision could be made on this issue by the 7/12 Tech meeting which Mr. Hudgins agreed would be sufficient timing.

Mortar Target 9 Schedule

Scott Veenstra (AMEC) provided a handout listing the Mortar Target 9 Schedule.

- Karen Wilson (IAGWSPO) indicated that Hanni Dinkeloo wanted to be in on the planning process for removal and restoration at Mortar Target 9. Ms. Wilson recommended that a meeting/site visit with Ms. Dinkeloo be conducted after the 45-55 radius data is reviewed.
- Jane Dolan (EPA) inquired as to the timing for data review, why was the PDA-verified soil data not available until 10 days after sampling was completed when rush data for groundwater was available sooner? John Rice (AMEC) indicated that a 5-day TAT was provided by the lab and 4 days was needed for PDA-verification.
- Todd Borci (EPA) indicated that EPA was interested in getting data more quickly and that the Guard should consider utilizing the Sveren Trent field laboratory used by Jacobs at CS-19 when they were completed with the trenching project. Dave Hill (IAGWSPO) indicated that the Guard was considering the use of a field laboratory but the field lab use depended on what the data generated would be used for and what detection levels could be achieved.
- Ken Gaynor (Jacobs) indicated that during the scheduled time of excavation of soil in the Mortar Target 9 area, drilling was planned for the CS-19 area and this work would need to be coordinated.
- Jane Dolan (EPA) questioned the soil removal duration of 2 weeks, indicating that it seemed as if the schedule for removing soil in the Group 1 areas progressed more quickly. Scott Veenstra (AMEC) indicated that 1 wk was estimated if soil removal was limited to the 35-foot radius to 2 feet bgs (285 cu yards of soil), whereas 2 weeks was estimated for soil removal to the 55-foot radius to 2 feet bgs (705 cu yards of soil).

RRA Soil Storage/Disposal

- Dave Hill (IAGWSPO) indicated that a proposal was being provided by Clean Harbors to remove the soil currently stored on the pad in July, possibly to a Waste Management Landfill in Maine.
- Waste characterization of the soil pile was completed using a single sample composited from 2 grab samples within the pile. The depth that the grab samples were collected was not known, Mr. Hill to check. The analytical data for the composite sample has already been received.
- The organic material still needs to be characterized.

Background Sample Update

- Russ Johnson (AMEC) reported that as a result of the recent site visit, seven areas for background were identified.
- Aerial photographs from the 1940's to 2000 were obtained for these areas. The aerial photographs show that for the majority of areas, most have been wooded. For those that were open areas in the past, they are more wooded now. This suggests that operations have not been conducted on these properties. The Crane Wildlife Management Area, north of Rt 151 was in the former Coonamessett Airport area – therefore a cleared field in this area should likely be avoided.
- At next meeting with Todd Borci (EPA), the Guard would like to review aerials and flag locations. The Guard would also like to discuss sampling, analytical goals and objectives as outlined in a 6/4 letter to the agencies. Mr. Borci indicated that he had no interest in the further discussion of pesticide/herbicide background analysis.
- Mr. Johnson provided as one example of differences in goals and objectives: analyzing for herbicides in association with dioxins. Dioxin detections are often associated with herbicides so the Guard would like to review dioxin detections in the context of herbicides also being present, to determine if the source of the dioxin is an herbicide or something else.
- Mike Jasinski (EPA) indicated that the meeting could be held on 7/11 or as a breakout after the Tech meeting on 7/12.

IART Action Items

- **Request for copy of Central Impact Area plume map overlaid with AirMag data** as presented at 6/26 IART. Copy to be provided by Ben Gregson (IAGWSPO).
- **Request that Attendance list at Tech meetings be distributed with the meeting minutes via email.** Kim Harriz (AMEC) to include in Tech meeting section of Weekly Progress Report.
- **Incorporate comments to the draft IART groundrules and distribute to team.** Jim Murphy (EPA) to distribute.
- **Incorporate comments to draft General Fact Sheet and distribute.** Tina Dolen (IAGWSPO) to distribute.
- **Provide contact person to submit comments to and date comments are due on documents.** System for comment solicitation to be discussed at Community Involvement meeting.
- **Provide update of 5 persons who requested to join IART.** Jim Murphy (EPA) to provide.
- **Provide information on Guard intentions to post at Snake Pond.** To be discussed at Community Involvement meeting. Ben Gregson (IAGWSPO) to address.
- **Check on location of residential wells on the southeastern edge of Snake Pond.** Ben Gregson (IAGWSPO) to check.

- **Future Agenda:** Status of recently discovered petroleum-like material.
  CS-18/CS-19 update – AFCEE indicated not July, maybe August.
  Central Impact Area GW Screening Report – briefly reviewed at IART, comments due before next meeting. J-1 Range 1000m Berm discussion was not completed, comments on that plan are also due before next IART. Suggestion was made that agenda items that the agencies are soliciting comments for should be addressed early in the meeting so that they are not be skipped because of time restrictions.

Miscellaneous

- Jane Dolan (EPA) requested that for the next draft of the Munitions Survey Report, surface features for the J Ranges should be noted on all maps. Larry Hudgins (Tetra Tech) indicated that all information has not been added yet, such as underground utilities. Leo Montroy (Tetra Tech) indicated that a graphic overly of UXO sweep information would be placed on top of UXB maps including subsurface debris that might be an extension of surface debris. AMEC data would also be included.
- Jane Dolan (EPA) inquired as to what SVOC compounds were identified in the petroleum-like material. Herb Colby (AMEC) indicated that the SVOCs detected in the analysis were included in the summary email he had prepared for the IART distribution. The SVOCs were n-nitrosodiphenylamine; 2,4-dimethylphenol; 2-methylnaphthalene; BEHP; di-n-butylphthalate; fluorine; naphthalene; and phenol. Ms Dolan pointed out that similar constituents had been detected in soil at the J-2 Range. Todd Borci (EPA) pointed out that similar constituents had also been detected in the Burn Pit at Demo 1.
- Jane Dolan (EPA) suggested that the explosive detection reported as a red for 90MW003 in the IART Figure 1 Map was incorrect. Herb Colby (AMEC) to check.
- Jane Dolan (EPA) inquired about the nature of several samples listed in the Monthly Maps Table 2. Pages of Field QC samples listed, what type of samples are these? Kim Harriz (AMEC) responded that the samples with an E at the end were equipment blanks; the samples with a T at the end were trip blanks. Regarding the samples listed as Filler? These are samples collected of inert wax filler from ordnance taken from the range. Regarding samples listed as Bioslurry? These are ITE samples. Regarding samples listed as LC102Q1AAA; DSL-COMPB-CXC-S, and DSL-C4-CXC-SPLIT? Kim Harriz (AMEC) to check.
- Jane Dolan (EPA) relayed that in a conference call with Hap Gonser (JPO) regarding the Water Supply Project, Mr. Gonser had indicated that WS-2 was being installed this week with three 40-foot screens. WS-3 would be installed next week and then WS-1. Although the boreholes were being logged, EPA's request for profiling had been declined. Mike Jasinski (EPA) reported that Guard well's MW-54, -63, and –55 were listed in the QAPP to be included in monitoring for the water supply wells. He suggested that IAGWSP team and JPO discuss coordination of sampling needs. Todd Borci (EPA) reported that in the SMB presentation, one well on Jefferson Road had been moved further northeast at EPA's request. The new coordinates and Mr. Gonser presentation should be provided to AMEC.
- Heather Sullivan (ACE) indicated that although no Tech meeting would be held next week, updates as provided would be sent via email.
- Todd Borci (EPA) requested a list of what data is available for Stage IIb sites and a list of the wells for which the modified 8330N (8330NX) method was being used for explosive analysis. John Rice (AMEC) indicated that no samples except for the samples that were collected for testing the 8330NX method have been analyzed using the 8330NX method.
- Herb Colby (AMEC) reported that regarding MW-164 sample analysis, samples were all analyzed by the 8330N method not by the 8330NX method; however the analysis method had been input incorrectedly into the database as 8330NX. Todd Borci (EPA) asked for an

explanation of how then was MNX identified in the analysis, since it was his understanding that MNX could not be quantified using the 8330N method and that is why the 8330NX method has been proposed. Herb Colby (AMEC) to clarify with AMEC validation group.

2. SUMMARY OF DATA RECEIVED

Rush data are summarized in Table 3. These data are for analyses that are performed on a fast turnaround time, typically 1-5 days. Explosive analyses for monitoring wells, and explosive and VOC analyses for groundwater profile samples, are conducted in this timeframe. The rush data are not validated, but are provided as an indication of the most recent preliminary results. Table 3 summarizes only detects, and does not show samples with non-detects.

The status of the detections with respect to confirmation using Photo Diode Array (PDA) spectra is indicated in Table 3. PDA is a procedure that has been implemented for the explosive analysis, to reduce the likelihood of false positive identifications. Where the PDA status is "YES" in Table 3, the detected compound is verified as properly identified. Where the status is "NO", the identification of an explosive has been determined to be a false positive. Where the status is blank, PDA has not yet been used to evaluate the detection, or PDA is not applicable because the analyte is a VOC. Most explosive detections verified by PDA are confirmed to be present upon completion of validation. Table 3 includes the following detections:

- Groundwater samples collected from 58MW0007B (CS-19 area of Central Impact Area) had a detection of RDX that was verified by PDA spectra. This is the first time this screen at this IRP well location has been sampled.

- Groundwater samples collected from MW-114M1 and MW-129M1 (Demo 1 Area) had detections of RDX that were verified by PDA spectra. The previous rounds of sampling had similar detections.

- Groundwater samples collected from MW-143M3 (Greenway Road north of J-3 Wetland) had a detection of RDX that was verified by PDA spectra. In the previous round of sampling HMX was also detected in this well.

- Groundwater samples collected from MW-147M1 (Greenway Road south of J-3 Range) had detections of RDX and HMX that were verified by PDA spectra. The previous round of sampling had a similar detection of RDX, but HMX was not detected.

- Groundwater samples collected from MW-147M2 (Greenway Road south of J-3 Range) had detections of RDX and HMX that were verified by PDA spectra. The RDX and HMX concentrations were approximately half of the concentrations reported in the previous round of sampling.

- Groundwater samples collected from MW-73S (Demo 1 Area) had detections of RDX and HMX that were verified by PDA spectra. The RDX and HMX concentrations were the lowest concentrations reported for this well since it was installed.

- Groundwater samples collected from MW-85M1 (Turpentine Road in Central Impact Area) had detections of RDX and HMX that were verified by PDA spectra. These detections were similar to detections in the previous sampling rounds.

- Groundwater samples collected from MW-114M2 (Demo 1 Area) and MW-130S (Disposal Area 2 at J-2 Range) and a duplicate sample had detections of RDX, HMX, and 4A-DNT that were verified by PDA spectra. These explosive compounds were detected in these wells in the previous sampling rounds in similar concentrations.

- Groundwater samples collected from MW-19S (Demo 1 Area) had detections of TNT, 2A-DNT, 4A-DNT, RDX, HMX, MNX, DNX, and TNX that were verified by PDA spectra. This is the first time samples from this well were analyzed using method 8330NX which is used to detect MNX, DNX and TNX, breakdown products of RDX. The other compounds were detected in previous rounds in similar concentrations using the method 8330N analysis.

3. DELIVERABLES SUBMITTED

Weekly Progress Update, June 18 – June 22, 2001 6/29/01

4. SCHEDULED ACTIONS

Scheduled actions for the week of June 25 include commence drilling at MW-174 (SAR-1), continue development of newly installed wells, and continue sampling the 1st through 4th rounds of newly installed wells.

5. SUMMARY OF ACTIVITIES FOR DEMO 1

An additional downgradient well location (D1P-7) was selected and will be drilled in the coming weeks. Analysis of first, second, and third round groundwater samples from newly installed wells is ongoing.

TABLE 2
SAMPLING PROGRESS
6/23/2001-6/29/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
0.G.0.00042.0.E	RINSATE 42 (AUGER	06/27/2001	FIELDQC	0.00	0.00		
0.G.0.00043.0.E	RINSATE 43 (AUGER	06/27/2001	FIELDQC	0.00	0.00		
0.G.0.00044.0.E	RINSATE 44 (AUGER	06/29/2001	FIELDQC	0.00	0.00		
0.G.0.00045.0.E	RINSATE 45 (AUGER	06/29/2001	FIELDQC	0.00	0.00		
0.G.0.00099.0.T	TRIP BLANK 99	06/27/2001	FIELDQC	0.00	0.00		
0.G.0.00100.0.T	TRIP BLANK 100	06/27/2001	FIELDQC	0.00	0.00		
0.G.0.00101.0.T	TRIP BLANK 101	06/28/2001	FIELDQC	0.00	0.00		
0.G.0.00102.0.T	TRIP BLANK 102	06/29/2001	FIELDQC	0.00	0.00		
3.F.0.00004.4.D	Test Plot 3 Lift 4 Grid	06/28/2001	FIELDQC	9.00	12.00		
90PZ0211E	FIELDQC	06/26/2001	FIELDQC	0.00	0.00		
HC87GA1AAE	FIELDQC	06/23/2001	FIELDQC	0.00	0.00		
HC87GA1AAF	FIELDQC	06/23/2001	FIELDQC	0.00	0.00		
HC87GH1AAE	FIELDQC	06/24/2001	FIELDQC	0.00	0.00		
HC87GH1AAF	FIELDQC	06/24/2001	FIELDQC	0.00	0.00		
HDA06180102AE	FIELDQC	06/23/2001	FIELDQC	0.00	0.00		
HDA06180102AT	FIELDQC	06/25/2001	FIELDQC	0.00	0.00		
W150SST	FIELDQC	06/26/2001	FIELDQC	0.00	0.00		
W151SSF	FIELDQC	06/25/2001	FIELDQC	0.00	0.00		
W151SST	FIELDQC	06/27/2001	FIELDQC	0.00	0.00		
90PZ0211AA	90PZ0211	06/26/2001	GROUNDWATER		80.00		73.60
90PZ0211BA	90PZ0211	06/26/2001	GROUNDWATER		90.00		83.60
90PZ0211CA	90PZ0211	06/26/2001	GROUNDWATER		100.00		93.60
90SNP001	90SNP001	06/29/2001	GROUNDWATER	0.00	0.00		
90SNP002	90SNP002	06/29/2001	GROUNDWATER	0.00	0.00		
RS0006GRAC	RS0006GRAC	06/25/2001	GROUNDWATER				
W149M1A	MW-149	06/25/2001	GROUNDWATER	237.00	247.00	131.30	141.30
W150SSA	MW-150	06/25/2001	GROUNDWATER	92.00	102.00	0.30	10.30
W150SSD	MW-150	06/25/2001	GROUNDWATER	92.00	102.00	0.30	10.30
W151SSA	MW-151	06/27/2001	GROUNDWATER	55.00	65.00	0.00	10.00
W170M2A	MW-170	06/25/2001	GROUNDWATER	198.00	208.00	90.80	100.80
W79SSA	MW-79	06/27/2001	GROUNDWATER	89.00	99.00	0.00	10.00
3.F.0.00001.3.0	Test Plot 3 Lift 3 Grid	06/26/2001	SOIL GRID	6.00	9.00		
3.F.0.00001.4.0	Test Plot 3 Lift 4 Grid	06/28/2001	SOIL GRID	9.00	12.00		
3.F.0.00002.3.0	Test Plot 3 Lift 3 Grid	06/26/2001	SOIL GRID	6.00	9.00		
3.F.0.00002.4.0	Test Plot 3 Lift 4 Grid	06/28/2001	SOIL GRID	9.00	12.00		
3.F.0.00003.3.0	Test Plot 3 Lift 3 Grid	06/26/2001	SOIL GRID	6.00	9.00		
3.F.0.00003.4.0	Test Plot 3 Lift 4 Grid	06/28/2001	SOIL GRID	9.00	12.00		
3.F.0.00004.3.0	Test Plot 3 Lift 3 Grid	06/26/2001	SOIL GRID	6.00	9.00		
3.F.0.00004.4.0	Test Plot 3 Lift 4 Grid	06/28/2001	SOIL GRID	9.00	12.00		
3.F.0.00005.3.0	Test Plot 3 Lift 3 Grid	06/26/2001	SOIL GRID	6.00	9.00		
3.F.0.00005.4.0	Test Plot 3 Lift 4 Grid	06/28/2001	SOIL GRID	9.00	12.00		
3.F.0.00006.3.0	Test Plot 3 Lift 3 Grid	06/26/2001	SOIL GRID	6.00	9.00		
3.F.0.00006.4.0	Test Plot 3 Lift 4 Grid	06/28/2001	SOIL GRID	9.00	12.00		

Profiling methods include: Volatiles and Explosives
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
Other Sample Types methods are variable
SBD = Sample Begin Depth, measured in feet bgs
SED = Sample End Depth, measured in feet bgs
BWTS = Depth below water table, start depth, measured in feet
BWTE = Depth below water table, end depth, measured in feet

TABLE 2
SAMPLING PROGRESS
6/23/2001-6/29/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
3.F.0.00007.3.0	Test Plot 3 Lift 3 Grid	06/26/2001	SOIL GRID	6.00	9.00		
3.F.0.00007.4.0	Test Plot 3 Lift 4 Grid	06/28/2001	SOIL GRID	9.00	12.00		
3.F.0.00008.3.0	Test Plot 3 Lift 3 Grid	06/26/2001	SOIL GRID	6.00	9.00		
3.F.0.00008.4.0	Test Plot 3 Lift 4 Grid	06/28/2001	SOIL GRID	9.00	12.00		
3.F.0.00009.3.0	Test Plot 3 Lift 3 Grid	06/26/2001	SOIL GRID	6.00	9.00		
3.F.0.00009.4.0	Test Plot 3 Lift 4 Grid	06/28/2001	SOIL GRID	9.00	12.00		
3.F.0.00010.3.0	Test Plot 3 Lift 3 Grid	06/26/2001	SOIL GRID	6.00	9.00		
3.F.0.00010.4.0	Test Plot 3 Lift 4 Grid	06/28/2001	SOIL GRID	9.00	12.00		
3.F.0.00011.3.0	Test Plot 3 Lift 3 Grid	06/26/2001	SOIL GRID	6.00	9.00		
3.F.0.00012.3.0	Test Plot 3 Lift 3 Grid	06/26/2001	SOIL GRID	6.00	9.00		
HC87FD1BAA	87FD	06/23/2001	SOIL GRID	0.50	1.00		
HC87FD1BAD	87FD	06/23/2001	SOIL GRID	0.50	1.00		
HC87FD1CAA	87FD	06/23/2001	SOIL GRID	1.00	1.50		
HC87FD1DAA	87FD	06/23/2001	SOIL GRID	1.50	2.00		
HC87GA1AAA	87GA	06/23/2001	SOIL GRID	0.00	0.50		
HC87GA1BAA	87GA	06/23/2001	SOIL GRID	0.50	1.00		
HC87GA1BAD	87GA	06/23/2001	SOIL GRID	0.50	1.00		
HC87GA1CAA	87GA	06/23/2001	SOIL GRID	1.00	1.50		
HC87GA1DAA	87GA	06/23/2001	SOIL GRID	1.50	2.00		
HC87GB1AAA	87GB	06/23/2001	SOIL GRID	0.00	0.50		
HC87GB1BAA	87GB	06/23/2001	SOIL GRID	0.50	1.00		
HC87GB1BAD	87GB	06/23/2001	SOIL GRID	0.50	1.00		
HC87GB1CAA	87GB	06/23/2001	SOIL GRID	1.00	1.50		
HC87GB1DAA	87GB	06/23/2001	SOIL GRID	1.50	2.00		
HC87GC1AAA	87GC	06/23/2001	SOIL GRID	0.00	0.50		
HC87GC1BAA	87GC	06/23/2001	SOIL GRID	0.50	1.00		
HC87GC1BAD	87GC	06/23/2001	SOIL GRID	0.50	1.00		
HC87GC1CAA	87GC	06/23/2001	SOIL GRID	1.00	1.50		
HC87GC1DAA	87GC	06/23/2001	SOIL GRID	1.50	2.00		
HC87GD1AAA	87GD	06/23/2001	SOIL GRID	0.00	0.50		
HC87GD1AAD	87GD	06/23/2001	SOIL GRID	0.00	0.50		
HC87GD1BAA	87GD	06/23/2001	SOIL GRID	0.50	1.00		
HC87GD1CAA	87GD	06/23/2001	SOIL GRID	1.00	1.50		
HC87GD1DAA	87GD	06/23/2001	SOIL GRID	1.50	2.00		
HC87GE1AAA	87GE	06/23/2001	SOIL GRID	0.00	0.50		
HC87GE1AAD	87GE	06/23/2001	SOIL GRID	0.00	0.50		
HC87GE1BAA	87GE	06/23/2001	SOIL GRID	0.50	1.00		
HC87GE1CAA	87GE	06/23/2001	SOIL GRID	1.00	1.50		
HC87GE1DAA	87GE	06/23/2001	SOIL GRID	1.50	2.00		
HC87GF1AAA	87GF	06/24/2001	SOIL GRID	0.00	0.50		
HC87GF1BAA	87GF	06/24/2001	SOIL GRID	0.50	1.00		
HC87GF1BAD	87GF	06/24/2001	SOIL GRID	0.50	1.00		
HC87GF1CAA	87GF	06/24/2001	SOIL GRID	1.00	1.50		
HC87GF1DAA	87GF	06/24/2001	SOIL GRID	1.50	2.00		

Profiling methods include: Volatiles and Explosives
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
Other Sample Types methods are variable
SBD = Sample Begin Depth, measured in feet bgs
SED = Sample End Depth, measured in feet bgs
BWTS = Depth below water table, start depth, measured in feet
BWTE = Depth below water table, end depth, measured in feet

TABLE 2
SAMPLING PROGRESS
6/23/2001-6/29/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC87GG1AAA	87GG	06/24/2001	SOIL GRID	0.00	0.50		
HC87GG1BAA	87GG	06/24/2001	SOIL GRID	0.50	1.00		
HC87GG1BAD	87GG	06/24/2001	SOIL GRID	0.50	1.00		
HC87GG1CAA	87GG	06/24/2001	SOIL GRID	1.00	1.50		
HC87GG1DAA	87GG	06/24/2001	SOIL GRID	1.50	2.00		
HC87GH1AAA	87GH	06/24/2001	SOIL GRID	0.00	0.50		
HC87GH1BAA	87GH	06/24/2001	SOIL GRID	0.50	1.00		
HC87GH1BAD	87GH	06/24/2001	SOIL GRID	0.50	1.00		
HC87GH1CAA	87GH	06/24/2001	SOIL GRID	1.00	1.50		
HC87GH1DAA	87GH	06/24/2001	SOIL GRID	1.50	2.00		
HD87FD1BAA	87FD	06/23/2001	SOIL GRID	0.50	1.00		
HD87FD1CAA	87FD	06/23/2001	SOIL GRID	1.00	1.50		
HD87FD1DAA	87FD	06/23/2001	SOIL GRID	1.50	2.00		
HD87FD2BAA	87FD	06/23/2001	SOIL GRID	0.50	1.00		
HD87FD2CAA	87FD	06/23/2001	SOIL GRID	1.00	1.50		
HD87FD2DAA	87FD	06/23/2001	SOIL GRID	1.50	2.00		
HD87FD3BAA	87FD	06/23/2001	SOIL GRID	0.50	1.00		
HD87FD3CAA	87FD	06/23/2001	SOIL GRID	1.00	1.50		
HD87FD3DAA	87FD	06/23/2001	SOIL GRID	1.50	2.00		
HD87FD4BAA	87FD	06/23/2001	SOIL GRID	0.50	1.00		
HD87FD4BAD	87FD	06/23/2001	SOIL GRID	0.50	1.00		
HD87FD4CAA	87FD	06/23/2001	SOIL GRID	1.00	1.50		
HD87FD4DAA	87FD	06/23/2001	SOIL GRID	1.50	2.00		
HD87FD5BAA	87FD	06/23/2001	SOIL GRID	0.50	1.00		
HD87FD5CAA	87FD	06/23/2001	SOIL GRID	1.00	1.50		
HD87FD5DAA	87FD	06/23/2001	SOIL GRID	1.50	2.00		
HD87GA1AAA	87GA	06/23/2001	SOIL GRID	0.00	0.50		
HD87GA1BAA	87GA	06/23/2001	SOIL GRID	0.50	1.00		
HD87GA1CAA	87GA	06/23/2001	SOIL GRID	1.00	1.50		
HD87GA1DAA	87GA	06/23/2001	SOIL GRID	1.50	2.00		
HD87GA2AAA	87GA	06/23/2001	SOIL GRID	0.00	0.50		
HD87GA2AAD	87GA	06/23/2001	SOIL GRID	0.00	0.50		
HD87GA2BAA	87GA	06/23/2001	SOIL GRID	0.50	1.00		
HD87GA2CAA	87GA	06/23/2001	SOIL GRID	1.00	1.50		
HD87GA2DAA	87GA	06/23/2001	SOIL GRID	1.50	2.00		
HD87GA3AAA	87GA	06/23/2001	SOIL GRID	0.00	0.50		
HD87GA3BAA	87GA	06/23/2001	SOIL GRID	0.50	1.00		
HD87GA3BAD	87GA	06/23/2001	SOIL GRID	0.50	1.00		
HD87GA3CAA	87GA	06/23/2001	SOIL GRID	1.00	1.50		
HD87GA3DAA	87GA	06/23/2001	SOIL GRID	1.50	2.00		
HD87GA4AAA	87GA	06/23/2001	SOIL GRID	0.00	0.50		
HD87GA4BAA	87GA	06/23/2001	SOIL GRID	0.50	1.00		
HD87GA4CAA	87GA	06/23/2001	SOIL GRID	1.00	1.50		
HD87GA4DAA	87GA	06/23/2001	SOIL GRID	1.50	2.00		

Profiling methods include: Volatiles and Explosives
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
Other Sample Types methods are variable
SBD = Sample Begin Depth, measured in feet bgs
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BWTS = Depth below water table, start depth, measured in feet
BWTE = Depth below water table, end depth, measured in feet

TABLE 2
SAMPLING PROGRESS
6/23/2001-6/29/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD87GB1AAA	87GB	06/23/2001	SOIL GRID	0.00	0.50		
HD87GB1BAA	87GB	06/23/2001	SOIL GRID	0.50	1.00		
HD87GB1CAA	87GB	06/23/2001	SOIL GRID	1.00	1.50		
HD87GB1DAA	87GB	06/23/2001	SOIL GRID	1.50	2.00		
HD87GB2AAA	87GB	06/23/2001	SOIL GRID	0.00	0.50		
HD87GB2AAD	87GB	06/23/2001	SOIL GRID	0.00	0.50		
HD87GB2BAA	87GB	06/23/2001	SOIL GRID	0.50	1.00		
HD87GB2CAA	87GB	06/23/2001	SOIL GRID	1.00	1.50		
HD87GB2DAA	87GB	06/23/2001	SOIL GRID	1.50	2.00		
HD87GB3AAA	87GB	06/23/2001	SOIL GRID	0.00	0.50		
HD87GB3BAA	87GB	06/23/2001	SOIL GRID	0.50	1.00		
HD87GB3CAA	87GB	06/23/2001	SOIL GRID	1.00	1.50		
HD87GB3DAA	87GB	06/23/2001	SOIL GRID	1.50	2.00		
HD87GB4AAA	87GB	06/23/2001	SOIL GRID	0.00	0.50		
HD87GB4BAA	87GB	06/23/2001	SOIL GRID	0.50	1.00		
HD87GB4CAA	87GB	06/23/2001	SOIL GRID	1.00	1.50		
HD87GB4DAA	87GB	06/23/2001	SOIL GRID	1.50	2.00		
HD87GC1AAA	87GC	06/23/2001	SOIL GRID	0.00	0.50		
HD87GC1BAA	87GC	06/23/2001	SOIL GRID	0.50	1.00		
HD87GC1CAA	87GC	06/23/2001	SOIL GRID	1.00	1.50		
HD87GC1DAA	87GC	06/23/2001	SOIL GRID	1.50	2.00		
HD87GC2AAA	87GC	06/23/2001	SOIL GRID	0.00	0.50		
HD87GC2AAD	87GC	06/23/2001	SOIL GRID	0.00	0.50		
HD87GC2BAA	87GC	06/23/2001	SOIL GRID	0.50	1.00		
HD87GC2CAA	87GC	06/23/2001	SOIL GRID	1.00	1.50		
HD87GC2DAA	87GC	06/23/2001	SOIL GRID	1.50	2.00		
HD87GC3AAA	87GC	06/23/2001	SOIL GRID	0.00	0.50		
HD87GC3BAA	87GC	06/23/2001	SOIL GRID	0.50	1.00		
HD87GC3CAA	87GC	06/23/2001	SOIL GRID	1.00	1.50		
HD87GC3DAA	87GC	06/23/2001	SOIL GRID	1.50	2.00		
HD87GC4AAA	87GC	06/23/2001	SOIL GRID	0.00	0.50		
HD87GC4BAA	87GC	06/23/2001	SOIL GRID	0.50	1.00		
HD87GC4CAA	87GC	06/23/2001	SOIL GRID	1.00	1.50		
HD87GC4DAA	87GC	06/23/2001	SOIL GRID	1.50	2.00		
HD87GD1AAA	87GD	06/23/2001	SOIL GRID	0.00	0.50		
HD87GD1BAA	87GD	06/23/2001	SOIL GRID	0.50	1.00		
HD87GD1CAA	87GD	06/23/2001	SOIL GRID	1.00	1.50		
HD87GD1DAA	87GD	06/23/2001	SOIL GRID	1.50	2.00		
HD87GD2AAA	87GD	06/23/2001	SOIL GRID	0.00	0.50		
HD87GD2BAA	87GD	06/23/2001	SOIL GRID	0.50	1.00		
HD87GD2CAA	87GD	06/23/2001	SOIL GRID	1.00	1.50		
HD87GD2DAA	87GD	06/23/2001	SOIL GRID	1.50	2.00		
HD87GD3AAA	87GD	06/23/2001	SOIL GRID	0.00	0.50		
HD87GD3BAA	87GD	06/23/2001	SOIL GRID	0.50	1.00		

Profiling methods include: Volatiles and Explosives
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Other Sample Types methods are variable
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TABLE 2
SAMPLING PROGRESS
6/23/2001-6/29/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD87GD3CAA	87GD	06/23/2001	SOIL GRID	1.00	1.50		
HD87GD3DAA	87GD	06/23/2001	SOIL GRID	1.50	2.00		
HD87GD4AAA	87GD	06/23/2001	SOIL GRID	0.00	0.50		
HD87GD4BAA	87GD	06/23/2001	SOIL GRID	0.50	1.00		
HD87GD4BAD	87GD	06/23/2001	SOIL GRID	0.50	1.00		
HD87GD4CAA	87GD	06/23/2001	SOIL GRID	1.00	1.50		
HD87GD4DAA	87GD	06/23/2001	SOIL GRID	1.50	2.00		
HD87GE1AAA	87GE	06/23/2001	SOIL GRID	0.00	0.50		
HD87GE1BAA	87GE	06/23/2001	SOIL GRID	0.50	1.00		
HD87GE1CAA	87GE	06/23/2001	SOIL GRID	1.00	1.50		
HD87GE1DAA	87GE	06/23/2001	SOIL GRID	1.50	2.00		
HD87GE2AAA	87GE	06/23/2001	SOIL GRID	0.00	0.50		
HD87GE2BAA	87GE	06/23/2001	SOIL GRID	0.50	1.00		
HD87GE2CAA	87GE	06/23/2001	SOIL GRID	1.00	1.50		
HD87GE2DAA	87GE	06/23/2001	SOIL GRID	1.50	2.00		
HD87GE3AAA	87GE	06/23/2001	SOIL GRID	0.00	0.50		
HD87GE3BAA	87GE	06/23/2001	SOIL GRID	0.50	1.00		
HD87GE3CAA	87GE	06/23/2001	SOIL GRID	1.00	1.50		
HD87GE3DAA	87GE	06/23/2001	SOIL GRID	1.50	2.00		
HD87GE4AAA	87GE	06/23/2001	SOIL GRID	0.00	0.50		
HD87GE4BAA	87GE	06/23/2001	SOIL GRID	0.50	1.00		
HD87GE4BAD	87GE	06/23/2001	SOIL GRID	0.50	1.00		
HD87GE4CAA	87GE	06/23/2001	SOIL GRID	1.00	1.50		
HD87GE4DAA	87GE	06/23/2001	SOIL GRID	1.50	2.00		
HD87GF1AAA	87GF	06/24/2001	SOIL GRID	0.00	0.50		
HD87GF1BAA	87GF	06/24/2001	SOIL GRID	0.50	1.00		
HD87GF1CAA	87GF	06/24/2001	SOIL GRID	1.00	1.50		
HD87GF1DAA	87GF	06/24/2001	SOIL GRID	1.50	2.00		
HD87GF2AAA	87GF	06/24/2001	SOIL GRID	0.00	0.50		
HD87GF2BAA	87GF	06/24/2001	SOIL GRID	0.50	1.00		
HD87GF2CAA	87GF	06/24/2001	SOIL GRID	1.00	1.50		
HD87GF2DAA	87GF	06/24/2001	SOIL GRID	1.50	2.00		
HD87GF3AAA	87GF	06/24/2001	SOIL GRID	0.00	0.50		
HD87GF3BAA	87GF	06/24/2001	SOIL GRID	0.50	1.00		
HD87GF3CAA	87GF	06/24/2001	SOIL GRID	1.00	1.50		
HD87GF3DAA	87GF	06/24/2001	SOIL GRID	1.50	2.00		
HD87GF4AAA	87GF	06/24/2001	SOIL GRID	0.00	0.50		
HD87GF4BAA	87GF	06/24/2001	SOIL GRID	0.50	1.00		
HD87GF4BAD	87GF	06/24/2001	SOIL GRID	0.50	1.00		
HD87GF4CAA	87GF	06/24/2001	SOIL GRID	1.00	1.50		
HD87GF4DAA	87GF	06/24/2001	SOIL GRID	1.50	2.00		
HD87GG1AAA	87GG	06/24/2001	SOIL GRID	0.00	0.50		
HD87GG1AAD	87GG	06/24/2001	SOIL GRID	0.00	0.50		
HD87GG1BAA	87GG	06/24/2001	SOIL GRID	0.50	1.00		

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Other Sample Types methods are variable
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TABLE 2
SAMPLING PROGRESS
6/23/2001-6/29/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD87GG1CAA	87GG	06/24/2001	SOIL GRID	1.00	1.50		
HD87GG1DAA	87GG	06/24/2001	SOIL GRID	1.50	2.00		
HD87GG2AAA	87GG	06/24/2001	SOIL GRID	0.00	0.50		
HD87GG2BAA	87GG	06/24/2001	SOIL GRID	0.50	1.00		
HD87GG2CAA	87GG	06/24/2001	SOIL GRID	1.00	1.50		
HD87GG2DAA	87GG	06/24/2001	SOIL GRID	1.50	2.00		
HD87GG3AAA	87GG	06/24/2001	SOIL GRID	0.00	0.50		
HD87GG3BAA	87GG	06/24/2001	SOIL GRID	0.50	1.00		
HD87GG3CAA	87GG	06/24/2001	SOIL GRID	1.00	1.50		
HD87GG3DAA	87GG	06/24/2001	SOIL GRID	1.50	2.00		
HD87GG4AAA	87GG	06/24/2001	SOIL GRID	0.00	0.50		
HD87GG4BAA	87GG	06/24/2001	SOIL GRID	0.50	1.00		
HD87GG4CAA	87GG	06/24/2001	SOIL GRID	1.00	1.50		
HD87GG4DAA	87GG	06/24/2001	SOIL GRID	1.50	2.00		
HD87GH1AAA	87GH	06/24/2001	SOIL GRID	0.00	0.50		
HD87GH1AAD	87GH	06/24/2001	SOIL GRID	0.00	0.50		
HD87GH1BAA	87GH	06/24/2001	SOIL GRID	0.50	1.00		
HD87GH1CAA	87GH	06/24/2001	SOIL GRID	1.00	1.50		
HD87GH1DAA	87GH	06/24/2001	SOIL GRID	1.50	2.00		
HD87GH2AAA	87GH	06/24/2001	SOIL GRID	0.00	0.50		
HD87GH2BAA	87GH	06/24/2001	SOIL GRID	0.50	1.00		
HD87GH2CAA	87GH	06/24/2001	SOIL GRID	1.00	1.50		
HD87GH2DAA	87GH	06/24/2001	SOIL GRID	1.50	2.00		
HD87GH3AAA	87GH	06/24/2001	SOIL GRID	0.00	0.50		
HD87GH3BAA	87GH	06/24/2001	SOIL GRID	0.50	1.00		
HD87GH3CAA	87GH	06/24/2001	SOIL GRID	1.00	1.50		
HD87GH3DAA	87GH	06/24/2001	SOIL GRID	1.50	2.00		
HD87GH4AAA	87GH	06/24/2001	SOIL GRID	0.00	0.50		
HD87GH4BAA	87GH	06/24/2001	SOIL GRID	0.50	1.00		
HD87GH4CAA	87GH	06/24/2001	SOIL GRID	1.00	1.50		
HD87GH4DAA	87GH	06/24/2001	SOIL GRID	1.50	2.00		
HDA06140101AA	A06140101	06/23/2001	SOIL GRID	0.00	0.25		
HDA06180101AA	A06180101	06/23/2001	SOIL GRID	0.00	0.25		
HDA06180102AA	A06180102	06/23/2001	SOIL GRID	0.00	0.25		
HDA06180103AA	A06180103	06/23/2001	SOIL GRID	0.00	0.25		
HDA06180104AA	A06180104	06/23/2001	SOIL GRID	0.00	0.25		
HDA06180105AA	A06180105	06/23/2001	SOIL GRID	0.00	0.25		
HDA06180105AD	A06180105	06/23/2001	SOIL GRID	0.00	0.25		
HDA06190101AA	A06190101	06/23/2001	SOIL GRID	0.00	0.25		
HDA06190102AA	A06190102	06/23/2001	SOIL GRID	0.00	0.25		
HDA06190103AA	A06190103	06/23/2001	SOIL GRID	0.00	0.25		
HDA06200101AA	A06200101	06/23/2001	SOIL GRID	0.00	0.25		

Profiling methods include: Volatiles and Explosives
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
Other Sample Types methods are variable
SBD = Sample Begin Depth, measured in feet bgs
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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 6/9/01-6/29/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
58MW0007B	58MW0007B	06/16/2001	GROUNDWATER	187.70	192.70	49.00	54.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,;	YES
W114M1A	MW-114	06/18/2001	GROUNDWATER	177.00	187.00	94.80	104.80	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,;	YES
W114M2A	MW-114	06/19/2001	GROUNDWATER	120.00	130.00	37.80	47.80	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
W114M2A	MW-114	06/19/2001	GROUNDWATER	120.00	130.00	37.80	47.80	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,;	YES
W114M2A	MW-114	06/19/2001	GROUNDWATER	120.00	130.00	37.80	47.80	8330N	OCTAHYDRO-1,3,5,7-TETRANITI	YES
W129M1A	MW-129	06/19/2001	GROUNDWATER	136.00	146.00	64.20	74.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,;	YES
W130SSA	MW-130	06/14/2001	GROUNDWATER	103.00	113.00	0.00	10.00	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
W130SSA	MW-130	06/14/2001	GROUNDWATER	103.00	113.00	0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,;	YES
W130SSA	MW-130	06/14/2001	GROUNDWATER	103.00	113.00	0.00	10.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITI	YES
W130SSD	MW-130	06/14/2001	GROUNDWATER	103.00	113.00	0.00	10.00	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
W130SSD	MW-130	06/14/2001	GROUNDWATER	103.00	113.00	0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,;	YES
W130SSD	MW-130	06/14/2001	GROUNDWATER	103.00	113.00	0.00	10.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITI	YES
W143M3A	MW-143	06/13/2001	GROUNDWATER	107.00	112.00	74.10	79.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,;	YES
W147M1A	MW-147	06/19/2001	GROUNDWATER	167.00	177.00	91.12	101.12	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,;	YES
W147M1A	MW-147	06/19/2001	GROUNDWATER	167.00	177.00	91.12	101.12	8330N	OCTAHYDRO-1,3,5,7-TETRANITI	YES
W147M2A	MW-147	06/19/2001	GROUNDWATER	150.00	160.00	74.10	84.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,;	YES
W147M2A	MW-147	06/19/2001	GROUNDWATER	150.00	160.00	74.10	84.10	8330N	OCTAHYDRO-1,3,5,7-TETRANITI	YES
W19SSA	MW-19	06/18/2001	GROUNDWATER	38.00	48.00	0.00	10.00	8330NX	2,4,6-TRINITROTOLUENE	YES
W19SSA	MW-19	06/18/2001	GROUNDWATER	38.00	48.00	0.00	10.00	8330NX	2,4,6-TRINITROTOLUENE	YES
W19SSA	MW-19	06/18/2001	GROUNDWATER	38.00	48.00	0.00	10.00	8330NX	2-AMINO-4,6-DINITROTOLUENE	YES
W19SSA	MW-19	06/18/2001	GROUNDWATER	38.00	48.00	0.00	10.00	8330NX	2-AMINO-4,6-DINITROTOLUENE	YES
W19SSA	MW-19	06/18/2001	GROUNDWATER	38.00	48.00	0.00	10.00	8330NX	4-AMINO-2,6-DINITROTOLUENE	YES
W19SSA	MW-19	06/18/2001	GROUNDWATER	38.00	48.00	0.00	10.00	8330NX	4-AMINO-2,6-DINITROTOLUENE	YES
W19SSA	MW-19	06/18/2001	GROUNDWATER	38.00	48.00	0.00	10.00	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,;	YES
W19SSA	MW-19	06/18/2001	GROUNDWATER	38.00	48.00	0.00	10.00	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,;	YES
W19SSA	MW-19	06/18/2001	GROUNDWATER	38.00	48.00	0.00	10.00	8330NX	HEXAHYDRO-1,3,5-TRINITROSC	YES
W19SSA	MW-19	06/18/2001	GROUNDWATER	38.00	48.00	0.00	10.00	8330NX	HEXAHYDRO-1,3,5-TRINITROSC	YES
W19SSA	MW-19	06/18/2001	GROUNDWATER	38.00	48.00	0.00	10.00	8330NX	HEXAHYDRO-1,3-DINITROSO-5-	YES
W19SSA	MW-19	06/18/2001	GROUNDWATER	38.00	48.00	0.00	10.00	8330NX	HEXAHYDRO-1-MONONITROSO	YES
W19SSA	MW-19	06/18/2001	GROUNDWATER	38.00	48.00	0.00	10.00	8330NX	HEXAHYDRO-1-MONONITROSO	YES
W19SSA	MW-19	06/18/2001	GROUNDWATER	38.00	48.00	0.00	10.00	8330NX	OCTAHYDRO-1,3,5,7-TETRANITI	YES
W19SSA	MW-19	06/18/2001	GROUNDWATER	38.00	48.00	0.00	10.00	8330NX	OCTAHYDRO-1,3,5,7-TETRANITI	YES
W73SSA	MW-73	06/14/2001	GROUNDWATER	39.00	49.00	0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,;	YES

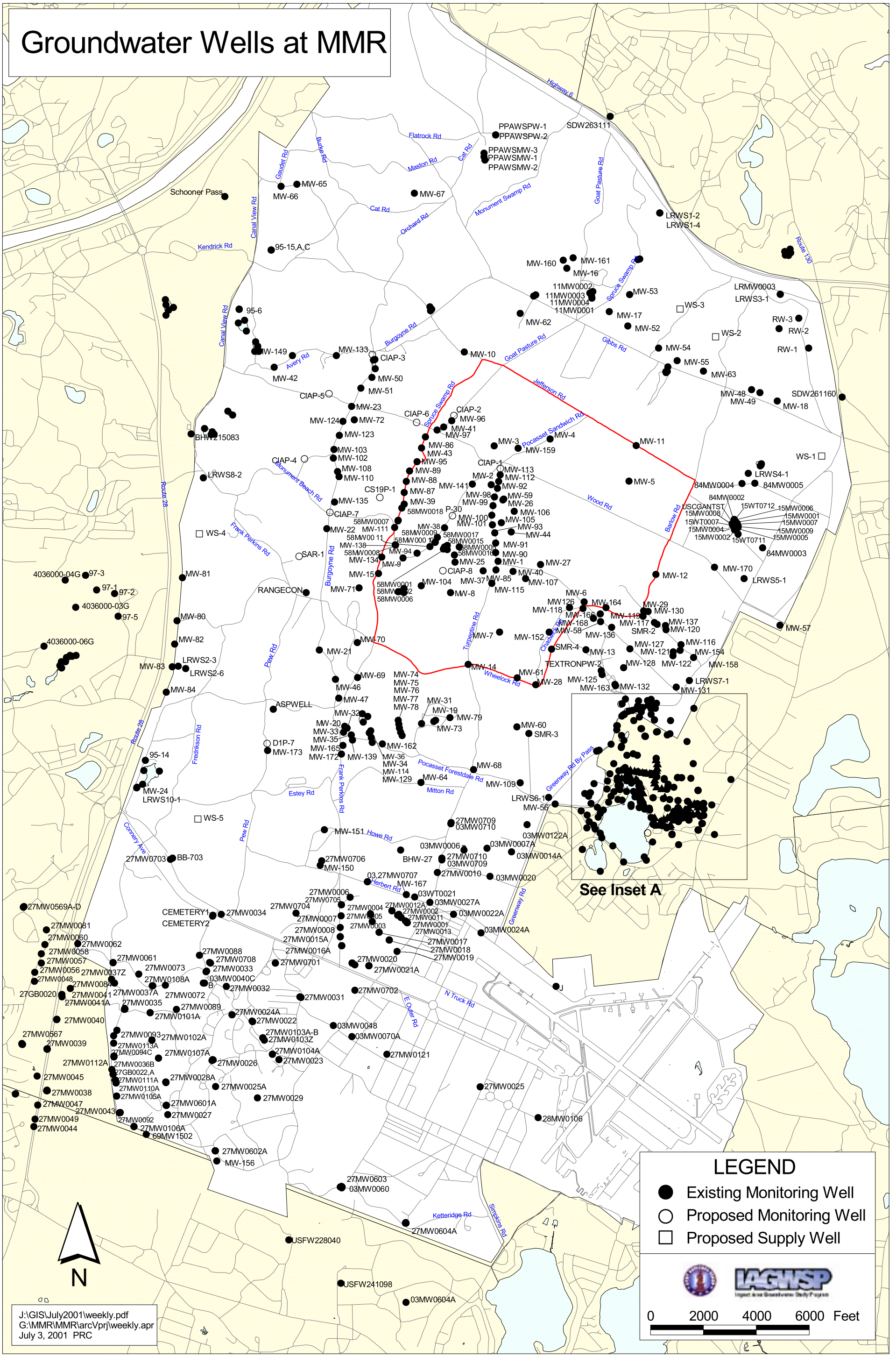
DATA REPORTED REFLECT CURRENT DATABASE FOR SAMPLES COLLECTED IN SPECIFIED TIMEFRAME. NOT ALL RESULTS ARE COMPLETE.
SBD = SAMPLE COLLECTION BEGIN DEPTH IN FEET BGS
SED = SAMPLE COLLECTION END DEPTH IN FEET BGS
BWTS = DEPTH BELOW WATER TABLE, START DEPTH, MEASURED IN FEET
BWTE = DEPTH BELOW WATER TABLE, END DEPTH, MEASURED IN FEET
PDA/YES = Photo Diode Array, Detect Confirmed
PDA/NO = Photo Diode Array, Detect Not Confirmed

TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 6/9/01-6/29/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
W73SSA	MW-73	06/14/2001	GROUNDWATER	39.00	49.00	0.00	10.00	8330N	OCTAHYDRO-1,3,5,7-TETRANIT	YES
W85M1A	MW-85	06/16/2001	GROUNDWATER	137.50	147.50	18.20	28.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
W85M1A	MW-85	06/16/2001	GROUNDWATER	137.50	147.50	18.20	28.20	8330N	OCTAHYDRO-1,3,5,7-TETRANIT	YES

DATA REPORTED REFLECT CURRENT DATABASE FOR SAMPLES COLLECTED IN SPECIFIED TIMEFRAME. NOT ALL RESULTS ARE COMPLETE.
SBD = SAMPLE COLLECTION BEGIN DEPTH IN FEET BGS
SED = SAMPLE COLLECTION END DEPTH IN FEET BGS
BWTS = DEPTH BELOW WATER TABLE, START DEPTH, MEASURED IN FEET
BWTE = DEPTH BELOW WATER TABLE, END DEPTH, MEASURED IN FEET
PDA/YES = Photo Diode Array, Detect Confirmed
PDA/NO = Photo Diode Array, Detect Not Confirmed

Groundwater Wells at MMR



0 600 1200 Feet

Inset A

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July 3, 2001 PRC