MONTHLY PROGRESS REPORT #60
FOR MARCH 2002

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 March 1 to March 31, 2002. Scheduled actions are for the six-week period ending May 10, 2002. Please note that Figure 4 and Figure 6 will be updated and published semiannually and were last included in the January 2002 Monthly Progress Report.

1. SUMMARY OF ACTIONS TAKEN

Drilling progress for the month of March is summarized in Table 1.

Table 1. Drilling progress for March 2002

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-206	Central Impact Area (CIAP-19)	325	167	178.5-188.5, 156-166
MW-207	Central Impact Area (CIAP-18)	330	186	254-264, 224-234
MW-208	Central Impact Area (CIAP-21)	339	201	195-205; 158-168
MW-209	Central Impact Area (CIAP-17)	329	211	240-250; 220-230
MW-210	Demo Area 1 (D1P-9)	310	209	
02-01	Bourne monitoring well	125	74	95-105; 83-93
02-02	Bourne monitoring well	125	74	114.5-124.5; 94.5-104.5; 49.5-59.5
02-03	Bourne monitoring well	140	98	130-140; 92-102; 75-85
02-05	Bourne monitoring well	133	105	
02-09	Bourne monitoring well	150	141	
02-12	Bourne monitoring well	153	104	
02-13	Bourne monitoring well	60	22	

bgs = below ground surface
bwt = below water table

Completed drilling and well installation of MW-206 (CIAP-19), MW-207 (CIAP-18), MW-208 (CIAP-21), MW-209 (CIAP-17), and Bourne wells 02-01, 02-02 and 02-03. Completed drilling of MW-210 (D1P-9), and Bourne wells 02-05, 02-09, and 02-12 and commenced drilling of 02-13. Continued well development for newly installed wells.

Samples collected during the reporting period are summarized in Table 2. Groundwater profile samples were collected from wells 02-01, 02-02, 02-03, 02-05, 02-09, 02-12, 02-13, MW-206, MW-207, MW-209 and MW-210. Groundwater samples were collected from Bourne water supply wells, sentry wells, test wells, spring, and far field wells. Groundwater samples were collected from the Sandwich Fish Hatchery and Sandwich Town Hall Spring wells. Groundwater samples were collected for preliminary rounds from Demo Area 1, Southeast Corner of the

Ranges, and Central Impact Area wells. Groundwater samples were also collected for additional perchlorate sampling in select Central Impact Area wells, and from drive points beneath Snake Pond. Water samples were collected from the GAC treatment system and the influent and effluent of the FS-12 treatment system. Surface water samples were collected from Snake Pond. Performance evaluation samples were prepared and sent to the laboratories.

Soil samples were collected from grids at Demo Area 1. As part of the Supplemental Phase IIB sampling, soil samples were collected from grids at A, B, C, K, and U Ranges. Wipe samples were collected from the Melt/Pour Building as a part of building decommissioning activities and from the lid of a 55-gallon drum during the crushed drum removal, both at the J-3 Range. A soil sample was also collected at the base of the drum excavation in the J-3 Range. Soil samples were collected from soil cutting piles at recently installed groundwater wells. Post-detonation soil samples were collected from crater grids in the Central Impact Area.

As part of the Munitions Survey Project, pre-detonation and post-detonation soil samples were collected from Demo Area 1, J-1 Range and from Transects 3 and 4 in the Central Impact Area HUTA2.

The Guard, EPA, and MADEP had a meeting on March 7 to discuss technical issues, including the following:

Punchlist Items

#3 Provide RAD results for MW-181 (AMEC). Results for Thorium in sediment and Radon in water provided. Thorium results show 5.4+-1.3/2.3+-0.59/2.01+-0.53 pCi/g respectively for Thorium 228/230/232 isotopes in the sediment remaining in the water profile sample. Jay Clausen stated that these are not particularly high; average worldwide results for the earth's crust are 7 pCi/g – no comparison values for the Cape have been identified. For Radon results were non-detect above the minimum detectable counts (MDC) of 24+-15 pCi/L and 26.8+-15J pCi/L in the profile sample water. Massachusetts-average is 790 pCi/L. A calculated result predicting what the Radon result was when the sample was collected is 1.2 $X10^{15}$ pCi/L, but this is unrealistic. No indication that these isotopes contributed to the high gross alpha detections in the original profile sample. Remaining results, including Thorium in the water profile and Radium for both the water and sediment from the profile sample (which have a 1 month TAT), should be available by 3/12.

#6 Provide start date for Additional Polygons at the SE Ranges (Corps). This information was provided in a letter from the Guard. As expressed in the letter, the Guard proposes to fully evaluate the results of the initial 64 anomalies and existing AMEC data, potentially reevaluate the additional 45 anomalies selected by EPA, and then begin fieldwork on the new list. The initial investigation of the 64 is 30% complete. Jane Dolan (EPA) stated that the additional 45 anomalies were identified based on a review of the MSP. Todd Borci (EPA) will provide a response to Guard's letter; the EPA favors continuing with the investigation of the 2nd phase of additional 45 anomalies without delay, restating that the selected additional 45 are only a small subset of all possible anomalies at the SE Ranges and that the information from excavation of these anomalies is needed to optimize monitor well locations.

#10 Provide results for WS-1, WS-2 and WS-3 supply wells and sentry wells (Corps). Darrell Deleppo (ACE) was told by Hap Gonser (JPO) that the sampling was being conducted this week.

Munitions Survey Project Update

Rob Foti (Corps) provided an update on the MSP3 and HUTA tasks.

AirMag. Excavation of 17th anomaly at KD Range was completed; refrigerator and auto parts were discovered.

HUTA2. QA of Transect 1 was completed; QA of Transect 5 to be completed by the end of the week. Intrusive work continued at Transects 2&3; EM61 picks are finished, 100% Schonstedt survey has been completed for 7 of 28 anomalies. For Transect 4, the initial and 100% Schonstedt survey is completed; the EM61 survey is being conducted today. 6748 lbs of fragments/scrap were identified in Transect 4; 6239 lbs was OE scrap; 509 lbs was non-OE scrap.

- Mike Jasinski (EPA) requested that target outlines be drawn on discovery/analytical figures. Todd Borci requested that an explanation be provided for the sample location IDs (to be added to Punchlist).

Eastern MSP. EM61 surveys are being conducted on weekends.

Scar Site/U Range/BA-1 Disposal Site. No activity.

Other MSP3 Sites – Reconnaissance was completed at NBC training area, Demo 3, Demo 4.

J Range Polygons. J-1 Range Polygon 1 items are scheduled to be BIPed on 3/23, pending Sandwich approval. 1/3 of the items are secured in the trench, the remainder are secured under polyethylene cover. Regular security checks of the area have been scheduled with Camp Edwards Military Police.

BIP Items- 11 Items from various areas are scheduled to be BIPed today including:

2 155MM Projectiles, Practice M804 with M557 Series PD Fuze
3 105MM – Projectile HEAT M456 with M509 PIBD Fuze
1 30MM Projectile, HEDP M789 with M759 PD Fuze
1 2.36-inch Rocket, HEAT M6 with M400 BD Fuze
1 155MM Projectile, HE M107 with M51 Series PD Fuze
1 81MM Mortar, HE M374 with Unknown PD Fuze
1 105MM Projectile HC Smoke, M84 Series
1 MTSQ M501 Series Fuze

Bourne Well Update

Summary results (as of 3/6) of Perchlorate Response Well Sampling, map of proposed soil boring locations were distributed, and a particle track map for monitor well MW-80 and sentinel well 97-5.

- Ben Gregson (IAGWSPO) indicated the Leo Yuskus (Haley and Ward, consultant to Bourne Water Supply) had intimated to him that the Guard should hold off on the 02-6 drill site since it will impact the Conscom property and this location was not a critical one. Mr. Yuskus also requested that a meeting be scheduled for Monday, 1 pm at the IAGWSPO to go over sampling locations, discuss the effectiveness of the auger rig to collect profile samples, modeling issues (is additional soil property data needed?), and finalize drilling locations. Corps, AMEC, EPA, DEP and Water Supply to attend.
- John Rice (AMEC) indicated that implementation of the Response Plan commenced this week. Drilling near the Bourne Well Field has commenced at boring location 02-1. Sampling is proving to be difficult; the strata are not yielding water readily and silt is clogging the screen. A second drill rig is on-site today and will begin drilling soon at the 02-2 location. Sampling of WS-4 and M-6 have not been completed yet; the other wells on the response plan list have been sampled; results are still pending for some wells.
- Ed Wise (ACE) indicated that Ray Cottengaim (ACE) is working on access issues. Gina Tyo (ACE) suggested that the Corps pursue real estate right of entry to avoid any delays.

- Todd Borci requested that AMEC provide particle tracks from the top and bottom of the MW-80M2 well screen. Jay Clausen said that currently AMEC is updating the bedrock depth information for the model and that this particle tracking could be initiated before the end of the day tomorrow, 3/8 and be completed for the meeting on Monday, 3/11. Jay Clausen also indicated that the preliminary particle tracks provided at the meeting are based on the center point of the wells screens.
- EPA asked the Guard to ask Mr. Yuskus to bring historic pumping information on the Bourne wells to the meeting. Bourne wells are apparently cycled one at a time.

Demo 1 Area Groundwater

Mark Applebee (AMEC) led the discussion on Demo Area 1 Groundwater as a general update and to discuss recent perchlorate detections in Demo 1 downgradient monitoring wells. Table showing summary of detections in Demo 1 Area wells, proposed well map, and map showing distribution of Perchlorate detections in Demo 1 Area wells were distributed.

- Road building west of Frank Perkins Road for proposed well D1P-9 will commence shortly.
- Because of the lowering of the perchlorate method detection limit, perchlorate was recently detected in MW-173M3 at 0.634 ug/L (unvalidated). This is the furthest well downgradient of the Demo 1 Area, located on Pew Road. Results for MW-173M2, a deeper screen will be available shortly. Perchlorate has not been detected in samples collected from MW-175 and MW-186 located to the north along Pew Road.
- Additional recent detects of perchlorate in wells were there have been previous non-detects include MW-33M, D; MW-36M2; MW-77M1; MW-78M1; and MW-162M2. Results from MW-172, MW-165, and MW-162M1, as wells as at MW-173M2, are pending.
- Because of detection of perchlorate in MW-173 and prior detection in MW-172, the southern plume boundary and plume width is in question. The width was previously considered to be about 500 to 600 feet wide.
- To get a better handle on the plume, the Guard is proposing to install a well (D1P-10) approximately 350 feet south of MW-173 along Pew Road. MW-173 will also be resampled.
- Effects on FS Schedule would be minimal if the new proposed well can be installed in conjunction with the completion of other delineation wells.
- Additional well screen results should be available next week, further discussion will be contingent on these results. To be discussed as an agenda item next week.

Schedule and Documents

Marc Grant (AMEC) reviewed the document and schedule status. Important outstanding items were addressed as follows:

Documents Having Comments

MSP Phase I Report – MOR submitted and initial EPA comment received. Waiting on additional comment from EPA. Jane Dolan to review existing MOR and approve. Outstanding comments may be addressed in supplemental MOR.

Demo 1 GW FS (TM 01-17) – MOR to be scheduled.

MSP2 Demo 1, ASP Geophysics, Former K, Former A Letter Reports. – MOR disapproved, reports to be revised in accordance with comments. Ellen Iorio (ACE) to flag EPA comments that Guard has questions on to discuss with EPA next week.

MSP2 Slit Trench Letter Report. – Revised MOR provided on 2/13. No EPA comment, yet.

CDC Test Results Report – EPA comments, eventually.

Phase IIb Report (Revised TM 01-15) – Schedule CRM for 3/21.

WorkPlan for AirMag Completion Investigation – Corps to provide EPA updated tables and figures next week, and await additional EPA comment.

PSI Demo 1 Soil OU - MOR sent 3/5, approval expected shortly.

MSP3 U Range and Central Impact Area Sites Workplans – EPA comments on RCL and Draft Final tomorrow 3/8; Workplans will be disapproved, but detailed comment will be provided to facilitate revision of Workplans.
MSP2 Demo 2 Letter Report – EPA will approve RCL shortly.

Documents Needing Comments

Training Areas FSP – EPA comment delayed.
Draft Revised ASR – EPA comments in approximately one month.
HUTA Report – EPA comments should be forwarded next week.
Lab Fate & Transport Study – EPA/DEP comments may be provided by 3/29.
UXO Interim Screening Report – EPA/DEP Comments may be provided by 3/29.

Documents to be Submitted

MSP3 Workplans and BIP Reports coming in the next 2 weeks.
Demo 1 Eco-Risk Report will be submitted on 4/5/02

Central Impact Area/SE Ranges Field Schedule

Frank Fedele (ACE) led the discussion on coordination of fieldwork for MSP3/HUTA2 and groundwater investigation tasks in the Central Impact Area and SE Ranges.

- The Guard forwarded a 2/20/02 letter to the agencies outlining upcoming field activities in these areas and proposing a sequence for these activities.
- For the Central Impact Area, activities were prioritized as follows:
  1. HUTA2 (to be completed 4/5)
  2. Central Impact Area Wells
  3. Central Impact Area Pump Test
  4. Target Soil Sampling
  5. MSP3 Work
- Priorities are required because exclusion zones for HUTA2 and MSP3 intrusive work overlap into other work area and therefore limit other activities.
- EPA indicated that this prioritization made perfect sense. The EPA further requested that the Guard submit a more detailed draft schedule. This schedule could be used as a vehicle to establish new milestones for effected deliverables. The EPA emphasized that some integration was needed with the SE Ranges as some of the proposed J Ranges wells were in the Central Impact Area and some of the J Range polygons might also impact areas of the Central Impact Area.
- For the SE Ranges, activities were prioritized as follows:
  1. J-1/J-3/L Ranges off-site work
  2. MSP3, remaining J Ranges polygons and J-3 Range Hillside Barrage Rocket site.
  3. J-2/J-1/J-3/L Ranges Additional Delineation.
- The strategy for the Southeast Ranges was to start off-site and with the J Range Polygons. It was important to get the off-site wells completed prior to the start of seasonal activity at Camp GoodNews. Concurrently, polygons at which wells were scoped could be prioritized among the polygon list. Rob Foti (ACE) understood that the FUDs program at Camp Good News would be ongoing up to the opening of camp; however, a detailed coordination with the Former H Range work had not yet been addressed.
- Todd Borci suggested that this might be a reason to group remaining polygons of initial 64 with additional 45 and address per area, as opposed to addressing them in sequence. By doing so, it would likely be easier to coordinate the implementation schedule for completing this task with other SE Ranges tasks.

- EPA requested that the Guard/Corps provide a letter with a detailed Central Impact Area Schedule and additional information for providing a detailed schedule for the SE Ranges in 2 weeks (3/21). Todd Borci requested that EPA be called in the interim if the Guard/Corps had any questions.

Miscellaneous

- Marc Grant (AMEC) indicated that samples were collected on 3/6 from the four Fish Hatchery Wells in Sandwich. Samples will be analyzed for explosives, perchlorate, and VOCs; results are due Monday, 3/11. Mr. Grant to meet with Dr. Ken Simmons (Dept of Fish and Wildlife) today on how wells are used and any other information available on wells. Receipt of analytical results to be added as a Punchlist item.
- Relative to the ASR interviews, information provided to EPA indicates that private investigator has 90 hours remaining to complete interviews. EPA prioritize interview list in the following order: Interviewees unhighlighted on table provided by Tetra Tech, Witness #4, Witnesses on "BOMARC" list, and individuals on "EPA's list. EPA list to be provided by Jane Dolan to Corps next week. Gina Tyo (ACE) indicated that the Corps would get a cost estimate from Tetra Tech to complete all proposed interviews. Funding for this additional effort can be included with the funding request to finalize the ASR Report.
- Todd Borci requested that table showing various munitions and items that contain perchlorate be added to the Punchlist.
- Todd Borci requested that a meeting be scheduled regarding the effective utilization and next steps regarding the CDC. Meeting tentatively set for 3/13m Wednesday around 2 or 3 pm. Gina Tyo to coordinate with attendees.
- Jane Dolan requested that the MOR for the MSP Report Sections 9-11 be prepared. Ellen Iorio to address.

The Guard, EPA, and MADEP had a meeting on March 14 to discuss technical issues, including the following:

Punchlist Items

#2 Provide RAD results for MW-181 (AMEC). Herb Colby (AMEC) indicated that the thorium results for the groundwater profile sample show non-detect or background values for the water. Radium results are pending.

#6 Provide results for WS-1, WS-2 and WS-3 supply wells and sentry wells (Corps). Sampling of Sentry wells began last Monday and will be finished next week. Results are expected by 4/15. Corps to coordinate with JPO to obtain results.

#7 Provide location ID translation for Tetra Tech transects for HUTA2 (Corps). Explanation emailed 3/8.

#8 Provide list of ASP stored items containing Perchlorate (Corps). Master list of munitions containing perchlorate to be provided today. Will not include all items used in J Ranges. List of items in ASP that contain perchlorate to be provided next.

#9 Provide update on Sandwich Fish Hatchery wells (AMEC). Results were non detect for explosives and perchlorate. Trace detections of chloroform were found in all four wells.

Munitions Survey Project Update

Rob Foti (Corps) provided an update on the MSP3 and HUTA tasks.

AirMag. No activity.

HUTA2. QA of Transect 1 and 5 completed. Intrusive work continued at Transects 2&3; 100% Schonstedt survey has been completed for 17 of 28 grids in Transect 2 and 16 of 28 grids in Transect 3. For Transect 4, the second EM61 survey is being conducted with 9 of 28 grids completed.

- Joe Dauchy (Tetra Tech) discussed a problem with background "noise" at Transect 4. In Transect 4, Tetra Tech is seeing a lot of fine ferrous dust or millimeter-sized magnetic fragments. In order to get rid of the background noise, the dirt would need to be sifted or removed. This high background metal or noise is obstructing the signal from deeper ordnance such that they are probably identifying approximately 95% of munitions (particularly smaller, deeper ordnance), not 100% as they had for the other transects. The noise is mostly a problem in the middle of the transect around the target. Rather than remove topsoil, the Guard would prefer to continue with the investigation as scoped, accepting that approximately 5% of munitions may not be cleared. EPA concurred with the Guard's approach, continued clearance without topsoil removal. The noise problem will be addressed in the HUTA2 Report.

Eastern MSP. EM61 surveys are being conducted on weekends.

Scar Site/U Range/BA-1 Disposal Site. No activity.

J Range Polygons. No new activity.

BIP Items- 11 60MM Mortars were BIPed last week. They were all determined to be inert/wax-filled; none were white phosphorus. 114 Items are scheduled to be BIPed Saturday, 30 items at a time in a 3 ft wide by 30 ft long by 30 inch deep trench. The items will be separated by sandbags and covered with plywood anchored by 20 inches of sandbags. The items to be BIPed include:

42 81MM Mortars, Inert M374A1 with M567 Series PD Fuze
31 81MM Mortars, Potential HE M374A1 with M567 PD Fuze
41 81MM Mortars, Potential HE M374A1 with M524 Series PD Fuze

- The pre- and post BIP sampling approach for these items were discussed. The Guard and agencies agreed that 5 pre-BIP samples and 10 post-BIP samples would be collected from the trench where the BIPs will be conducted. The post-BIP sampling will follow the standard protocol. The Guard to provide a proposed grid configuration for the pre-BIP samples to the agencies.

Bourne Well Update

- Heather Sullivan (Corps) provided an update on the status of the Bourne Response Plan. Borings 02-1 and 02-2 have been completed. The next borings to be completed will be 02-3 and 02-4 and then the boring around 97-5.
- Screens were set at 02-1. A screen was set at 28-38 ft bwt to monitor the VOC detections found in the profile samples and at 44-54 ft bwt since this is the depth of the well screen for Supply Well 3. The VOC detections are thought to have an origin from one of the surrounding commercial or industrial properties.
- The first three profile intervals for 02-2 have detections of perchlorate at estimated values less than 1 ppb. These are the only results so far for 02-2.
- Supply wells 3 and 4 are currently not being used by the Bourne Water District.
- Jay Clausen (AMEC) indicated that the surveyors will be out on Wednesday 3/20 to survey area wells. Once the wells are surveyed, a water level survey should be conducted in order to get a better handle on the hydrogeology of the area.
- Mr. Clausen also indicated that the new bedrock information (higher elevation) has been added to the model. New particle backtracks generated using the updated model show that backtrack from 02-1 at 35 bwt approximately 8000 feet. However, these results are still preliminary.

- Len Pinaud (MADEP) suggested that the Sentinel wells (97 series) be sampled for VOCs. Ben Gregson (IAGWSPO) indicated that currently the Water Supply wells are being sampled biweekly and the 97 series are being sampled monthly for explosives/perchlorate only. Mr. Gregson to speak with the Bourne Water District about sampling frequency and parameters for the Sentinel wells.

Snake Pond Drive Point Sampling

Denis LeBlanc (USGS) summarized the drive point sampling scheme that was being proposed for Snake Pond during Tuesday or Wednesday the week of March 18. A map of the locations would be faxed as soon as possible.

- In prior correspondence, Jane Dolan (EPA) had expressed concern about coverage on the east side of the spit. The USGS planned to sample a cluster of points at the location where perchlorate was previously detected. Samples at two depths would be attempted – one at the previous sampling depth and one deeper. Another sampling site was to the west of the spit on the cove side. Two additional locations were to the east on the submerged sandbar and near the Camp GoodNews beach. Two separate drive pints were proposed at each site, so that should alleviate the concern that a refusal would result in a sample not being collected from any one area. In addition, the USGS would have a hand-held GPS unit to pinpoint the proposed locations accurately.
- All parties agreed that samples for perchlorate and explosives would be collected.
- Herb Colby (AMEC) to find out the minimum sample volume that would be required for these analyses, as this would limit the number of samples that could be collected due to the very low flow rates of sampling.

Demo 1 Area Groundwater

Mark Applebee (AMEC) led the discussion on Demo Area 1 Groundwater as a general update and to discuss recent perchlorate detections in Demo 1 downgradient monitoring wells. A map showing the distribution of Perchlorate/Explosives detections in Demo 1 Area wells was distributed.

- Road building for D1P-9 is completed; the drill rig will set up on the site by the end of the week.
- The Perchlorate result for MW-173M2 was non detect, so the only detect for MW-173 was in shallower screen, M3. This well is being resampled. Results from MW-172 are still pending.
- A new hand-drawn plume map for both perchlorate and explosives was provided. The map now shows a wider (by a couple hundred feet) perchlorate plume, that is not bounded to the south or north by non detects in any wells. The explosive plume shell is essentially unchanged. The new data has caused the Guard to rethink the plume delineation approach that has already been proposed and accepted by the agencies. The additional delineation wells proposed to be installed after the profile results from D1P-9 are received may not be the most effective way to move forward in delineation. Alternative drilling locations include a D1P-10 well located at south of MW-173 along Pew Road that was proposed to bound the toe and southern extent of the perchlorate plume and a D1P-11 well located on Frank Perkins road south of MW-172 that was proposed as a possibility to bound the perchlorate plume to the south.
- Todd Borci (EPA) suggested, and all parties concurred, that the Tech team await the D1P-9 profile results and the results for resampling MW-173 and the next round results from MW-172. Once this information is available, the follow-on steps could be discussed. All data should be available by 4/9.

Explosive Analysis Detection Limits

Joe Dauchy (Tetra Tech) discussed a comparison of 5 analytical methods for explosive analysis (Regular SW8330, SW8095, GC/MS Linear, GC/MS SIM and SW8330M (low level).

- 38 soil samples from Transect 2, 3, and 4 in the HUTA were analyzed for all methods. A comparison of results showed multiple detections of various explosive compounds in the low level method that were only confirmed for one compound for one sample in the other analyses. This was a confirmed detection of RDX for sample TA310.
- Joe Dauchy hypothesized that the low-level method detections might be false positives associated with organic material in the samples. The fact that more compounds were detected in the shallow soil, which has a higher organic content, supports this theory. Tetra Tech plans to analyze the samples for Total Organic Carbon to see if there is any correlation with the amount of explosives detected in the low level analysis. Results will be summarized in the HUTA2 Report.
- Todd Borci (EPA) wondered if the TNT and associated breakdown products that were detected in the low level 8330 analysis but are not usually detectable in the regular 8330 analysis might not be false positives, but might be real. Jay Clausen (AMEC) confirmed that this could be a possibility.
- Sample chromatographs to be forwarded to EPA/DEP. Joe Dauchy to double check to see if all results were PDA-confirmed.

The Guard, EPA, and MADEP had a meeting on March 21 to discuss technical issues, including the following:

Punchlist Items

#2 Provide RAD results for MW-181 (AMEC). Jay Clausen (AMEC) indicated that the remaining results were received late yesterday and are being evaluated. Summary and data to be provided by the end of the week or early next week.

#3 Provide list summarizing BIP actions (AMEC). Prior table listing BIP samples with an RCS1 exceedance or explosive detection (2/22/2002) was updated to show dates of BIP excavations and dates of post-excavation samples. Table distributed at meeting. There are three areas where excavations for explosives were completed, but will need to be revisited because of metal exceedances. There is no current schedule for completing additional BIP excavations, due to higher priority field efforts. Todd Borci (EPA) requested that for BIP areas awaiting excavation, the entire crater area be covered with plastic, particularly if the excavations could not to be addressed immediately. EPA requested that a BIP excavation update be provided monthly in the Tech meeting.

#5 Provide updated fieldwork Schedule (Corps). Schedule discussed as agenda item.

#8 Provide list of ASP stored items containing Perchlorate (Corps). To be provided at 3/28 Tech meeting.

Munitions Survey Project Update

Rob Foti (Corps) provided an update on the MSP3 and HUTA tasks.

AirMag. No activity.

HUTA2. QA of Transect 1 and 5 completed. Intrusive work continued at Transects 2&3&4. 100% Schonstedt survey has been completed for 24 of 28 grids in Transect 2, cleared total of 2042 lbs of scrap material. 100% Schonstedt survey has been completed for 22 of 28 grids in Transect 3, 2491 lbs of scrap material cleared. For Transect 4, the second EM61 survey is being conducted with 20 of 28 grids completed; 8276 lbs of scrap material cleared. Scrap ferrous material is staged at the HUTA2 staging area and will be handled by the scrap contractor.

- Todd Borci (EPA) requested that a scoping meeting be set up for the first HUTA2 Report (Transect 1) at the 4/4 Tech meeting. Submission schedule for this report and other Transect reports should be extended one month. Guard to submit letter for one month extension for each of the five HUTA2 Reports.

Eastern MSP. EM61 surveys and grubbing are being conducted on weekends.
Scar Site/U Range/BA-1 Disposal Site. No activity.
J Range Polygons. No new activity. Investigation of 27 of 64 polygon anomalies has been completed. Seven of the remaining 37 anomalies are known burial areas. Work will be continued beginning with J-2 Polygons 17-25 on April 8.
BIP Items- 114 81MM Mortars BIPed last week were determined to be inert, wax-filled. The trench area where the BIPs were conducted has been covered with plastic. Two items to be BIPed today at HUTA2 Transect 4 include:

1 155MM Projectile, HE, M107.
1 Fuze, PD, M51 Series.

Bourne Well Update

John Rice (AMEC) provided an update on the status of the Bourne Response Plan.

- A monitoring well at site 02-2 is being installed today. Boring 02-3 has been advanced to bedrock; the final profile sample will be collected today. Drilling for 02-5 will begin today.
- The Bourne Water Supply wells were resampled and sampling will also be conducted for four wells (two at location 1-88 and 01-1 and 01-2) requested by the Bourne Water District.
- In a meeting the Guard, MADEP (Jeff Rose), and the Corps had with the Bourne Water District yesterday, the Guard agreed to sample the Bourne production wells weekly and install two additional wells in front of Water Supply Well #1. The Water District's main concern was that the pace of investigation of the perchlorate detections be increased. Therefore, the Guard allocated a second drill rig to support the ongoing delineation effort.
- The Bourne Water District intends to place a paid advertisement in the Cape Cod Times on Saturday 3/23 to address the water quality issue.
- EPA requested that they be involved with future meetings with the Bourne Water District. The Guard concurred.
- Tina Dolen (Guard) explained that the Guard was considering compiling a mailer packet regarding the issues for the residents of Bourne or/and conducting an Open House. The Guard requested EPA's involvement. Jim Murphy (EPA) concurred.
- AMEC is compiling an evaluation of other supporting Perchlorate analytical methods to confirm the results from EPA Method E314. A letter will be drafted summarizing the analysis and will include the fact that Ceimic Laboratory has lowered the reporting limit for the E314 groundwater analysis from 2 ug/L to 1 ug/L.

Central Impact Area/Southeast Corner of the Ranges Combined Schedule

Rob Foti distributed a first DRAFT combined schedule for field activities that would be conducted in the Central Impact Area and the Southeast Corner of the Ranges. Demo 1, Phase IIb, and the MSP3 tasks were included. A list of assumptions used to develop the schedule was also distributed.

- HUTA2 is the first priority, scheduled to be completed by 4/4 so that AMEC can complete the Central Impact Area Wells and pump test.
- The Central Impact Area wells and pump test are the second priority. Installation of wells that are impacted by the HUTA 2 exclusion zones will be conducted from April 8 to June 19.
- J Range Activities show integration of the polygon investigations and monitoring well installations. Drilling activities begin on Line 162. Each drilling location entry also shows the polygons that need to be investigated prior to the well being installed. The polygon-

sampling schedule is shown on Line 282. The polygon scheduling is problematic because if there are a lot of burial items, increased investigation time will likely be needed. However, expanding the time of these activities causes more conflicts.

- FUDS program impacts are also shown, beginning on Line 211. Currently the FUDS work at Former H Range is projected to go beyond 5/31 when Camp GoodNews opens. The FUDS work has been projected to pick up again in September when camp closes.
- Todd Borci indicated that the schedule appeared to have the correct priorities.
- Gina Tyo (ACE) requested that the agencies review and comment on the schedule. Ms. Tyo further requested that these comments be discussed as part of the 4/4 Tech meeting. Electronic copies of the schedule to be sent to EPA and MADEP.
- Mr. Borci indicated that as part of the discussion, the Guard should address how reallocating drill rigs for the Bourne investigation will impact the proposed schedule.

Schedule and Documents

Marc Grant (AMEC) reviewed the document and schedule status. Important outstanding items were addressed as follows:

Documents Having Comments

Gun&Mortar Draft Final Report (TM01-14) – Schedule for revision to be discussed in CRM on Gun&Mortar Additional Characterization Workplan, Friday 3/22.

CDC Test Results Report – EPA comments forthcoming, maybe 2 weeks?

Central Impact Area Soil Report (Revised TM 01-13) – Schedule CRM for 4/4.

WorkPlan for AirMag Completion Investigation – Corps to provide EPA updated tables and figures shortly.

RRA R2 Completion of Work Report – CRM needs to be scheduled. Guard to review issues and get back to agencies.

Gun&Mortar Additional Characterization Workplan – CRM scheduled for 3/22.

Documents Needing Comments

Training Areas FSP – After reviewing possible conflicts with MSP3 schedules, Guard to propose date for extension in letter.

HUTA Report – EPA comments received.

Lab Fate & Transport Study – EPA comments to be provided by 4/5. DEP comment received.

UXO Interim Screening Report – EPA Comments may be provided by 4/5.

Documents to be Submitted

Revised BIP Sampling Plan draft to be submitted 3/26. EPA indicated that this should include a pre-BIP sampling protocol and changes in BIP sampling. Corps to incorporate approved sampling plan into UXO Management Plan.

2002 Long Term Ground Water Monitoring Plan will be submitted on 3/29/02. Guard requested that agencies approve part of plan so that implementation can commence in mid April. Highlights of LTGM to be presented at 3/28 Tech meeting. Discussion of plan to be added to the 4/4 Tech meeting.

Perchlorate Sampling Plan in response to the Bourne area detections to be submitted in a week or two.

Snake Pond Drive Point Sampling

Dave Hill (IAGWSPO) distributed a map showing the locations of the 14 drive point samples collected by the USGS in Snake Pond on 3/19.

- The samples were transferred to AMEC for explosive and perchlorate analyses. Analyses turn-around-time is 2 weeks.
- Previous location where perchlorate was detected in a drive point sample was dry (Pond water level has dropped), but drive point sample was collected there anyway.

The EPA convened a meeting of the Impact Area Review Team on March 26, 2002. The issues discussed included: an update on Perchlorate Detections in Bourne and a general Investigations Update of the Groundwater Study Program.

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

Punchlist Items

#2 Provide RAD results for MW-181 (AMEC). Jay Clausen (AMEC) reviewed outstanding results.
Radon results for water below detectable activity.
Thorium (228/230/232) results in water indicated activity levels of –0.16/0.58/0.026 pCi/L. Levels appear to be consistent with background levels.
Thorium (228/230/232) results for sediment in the profile sample indicated activities of 5.4/2.3/2.01 pCi/g. No comparison background values were identified.
Radium 228 water results indicate an activity of 53.5 pCi/L. The initial Ra-226 result was 24.2 pCi/L, but a recount (twice) yielded a value of 80.9 pCi/L. A second duplicate analysis result showed 1.85/4.94 pCi/L for 226/228. The gamma-spectroscopy results indicated that Ra-226 was nondetectable. The MCL for total radium is 5 pCi/L. The mean Ra-226 activity for municipal supply wells in MA is 0.2 pCi/L. Therefore, for both results, the sample exceeds the MCL for total radium.
Radium for sediment in the profile sample indicated results of Ra-228 were 1.43 pCi/L; and 6.06/2.09 (recount) pCi/L for Ra-226.
Validation is being completed for these results. Summary write-up to be provided next week, pending receipt of validated data.

#5 Provide list of ASP stored items containing Perchlorate (Corps). To be provided at 4/4 Tech meeting.

#6 Provide data from Snake Pond Drive Point sampling effort (AMEC). Perchlorate results due 4/3. Explosives results available shortly, will fax when received. To be discussed on next week's agenda.

#7 Provide updated maps for SE Corner of the Ranges (AMEC). Todd Borci (EPA) requested that AMEC review status of validated data and discuss new results at 4/4 Tech meeting as agenda item. At that time, a date should be provided for revision of plume maps.

Munitions Survey Project Update

Rob Foti (Corps) provided an update on the MSP3 and HUTA tasks.

HUTA2. Intrusive work continued at Transects 2&3&4. Final EM61 survey has been completed for 12 of 28 grids in Transect 2, cleared total of 2422 lbs of scrap material. Final EM61 survey will be completed today for Transect 3, 3129 lbs of scrap material cleared. For Transect 4, investigation will be completed today; 8600 lbs of scrap material cleared. Karen Wilson (IAGWSPO) to visit site to provide approval of restoration activities.

- Todd Borci (EPA) requested that EM61 results of final survey for Transect 4 be provided at the next Tech meeting. Mr. Borci also requested that Tetra Tech provide a list of items that were taken from HUTA2 and sent to the CDC. A HUTA2 reports' discussion should be scheduled for a 4/4 after meeting. The discussion will include maps and how to present data.
- Ellen Iorio (ACE) stated that BA-1 Workplan will not be submitted until April 8. A presentation on the Eastern Test Site MSP will be presented at the April 11 Tech Meeting; anomaly picks will be reviewed.

Central Impact Area Proposed Wells

Heather Sullivan (ACE) indicated that based on recent profile results, the Guard is considering moving previously proposed well locations and adding additional wells in the Central Impact Area. A map was distributed showing wells installed to date, and contour lines of the RDX detections above detection and above the health advisory of 2 ppb. Dashed lines indicated results based on profile samples.

- No drilling activity is currently being conducted in the Central Impact Area, these resources have been switched to the Bourne investigation. AMEC is attempting to bring in another drill rig next week. Clearance of CIAP-23 is being conducted this week and will be the next well to be drilled.
- **CIAP-25**: The Guard would like to move this proposed location further west toward MW-102/103, because of detections in MW-209. Todd Borci suggested that profile depth and screen depth of MW-103/102/123/124 be reviewed relative to the depth of the MW-209 detections to see if these former wells are deep enough.
- **MW-207 (CIAP-18)**: Because of higher detection (up to 23 ppb) in profile samples at MW-207, the Guard feels another well is needed downgradient of this location. A suggested location is northwest along the particle track from MW-23 about 1300 feet from MW-207 in the road clearing of the Gravity Anti-Tank Range. AMEC to review accessibility of potential drilling location.
- Additional well locations (beyond approved locations) to be discussed at the 4/25 Tech meeting.
- Further discussion of CIAP-25 location and downgradient location from CIAP-18 to be discussed at 4/4 Tech meeting.

Long Term Ground Water Monitoring Plan Highlights

Russ Johnson (AMEC) reviewed highlights of the Long Term Groundwater Monitoring Plan that will be submitted tomorrow 3/29.

- The Plan involved the complete review of sample history for all wells already in the Long Term Monitoring Program. 75 new wells, installed over the past year were added to the plan. All wells that were included in last year's LTGM Program were retained this year, although some analytes for these wells were eliminated because of successive non-detections.
- Several wells having three rounds of data as of February 26, 2002 were added to the LTGM Plan, including screens at MW-115, MW-138, MW-140, MW-142 through MW-158, MW-160 through MW-168, MW-170, and MW-173 through MW-175
    a. primarily the addition of explosives and perchlorate at several wells;
    b. herbicides – to determine if MCPP detections were false-positives at two wells;
    c. pesticides – only at one well, MW-156S at former ASP;
    d. SVOCs – at four wells to assess low-level, repeat detections of naphthalene;
    e. VOCs – to assess detections of PCE (one well) and TCE (three wells);
    f. metals – at three wells along Greenway Road to assess elevated concentrations of sodium; and
    g. other specific recommendations for Phase II B sites.
- Use of Method 8330NX for Comprehensive Annual Event (i.e., August 2002) only at wells where RDX was previously detected; Method 8330N at other events/wells
    a. Conservative - MNX not detected where RDX < 4.5 ug/L; TNX and/or DNX not detected where RDX < 88 ug/L
- Perchlorate – employ plume monitoring rationale for monitoring appropriate wells

    a. Demo 1 and SE Ranges - use primary/secondary/tertiary well concept for plume monitoring; use up-, down- and cross-gradient well concept for monitoring plume periphery
    b. Central Impact Area - sample wells three times per year where perchlorate was previously detected; resample several wells where perchlorate previously non-detect using lower detection limits; develop plume monitoring network based on these findings
- Method 7841 (Thallium and Antimony analysis) - findings from over 250 samples since switching to this method:
    a. Antimony - three detections (1.5*, 1.7*, and 1.5J ug/L), all below MCL of 6 ug/L
    b. Thallium - no detections
- PCB/Pesticides removed as analyte from LTGM Plan wells
    a. Exception - MW-156S at former ASP for pesticides
- Gross Alpha removed from LTGM Plan wells
    a. highest detect was 3.4 pCi/L (MCL is 15) in one of the early events
    b. no gross alpha detected in any LTGM Plan well for the two most recent events.
    c. Todd Borci indicated that wells in the vicinity of MW-181 should have some evaluation for gross alpha. Mr. Johnson to discuss with Jay Clausen (AMEC).
- Dioxins/Furans removed from LTGM Plan for Demo 1 Area
    a. likely due to field and or laboratory sources
    b. well below federal and state drinking water standards of 30 ppb TEQ and Region IX PRG of 0.45 ppb TEQ for tap water
- Dyes
    a. four wells at Demo 1 to be sampled a third time (no detects to date)
    b. well MW-130S to be sampled 3x/year due to recent detections of DDA
- VOCs – pertaining to the 53 wells requested by EPA for the Dec '01 event
    a. no detections above MCLs/HA
    b. only two VOCs detected other than acetone (<2 ug/L) and chloroform (<5 ug/L), including benzene (0.3J* ug/L) and chloromethane (0.3J ug/L)
    c. no evidence to support incorporation into the LTGM Plan for continued VOC analysis in 2002
- SVOCs – regarding 16 additional LF-1 wells requested by EPA for the Dec '01 event
    a. no explosives detected using either Methods 8330 or SW8270
    b. no explosives detected in well MW-167M3 at downgradient edge of BA-1
    c. wells MW-167M3 and 27MW0017A to be sampled for explosives and SVOCs once per annum, starting in August 2002
- Follow-on discussion of plan to be agenda item for 4/4 Tech meeting. Demo 1 wells to be discussed specifically, so that potentially, with the agencies'approval, AMEC can begin April 2002 round of monitoring at these wells.

Bourne Well Update

John Rice (AMEC) provided an update on the status of the Bourne Response Plan. Maps of the Bourne well field were distributed, showing existing and proposed locations.

- Proposed monitoring wells 02-1, 02-2, 02-3, 02-5, and 02-12 have been drilled and profiled. Drilling of 02-9 will be finished shortly, other rig mobilizing to 02-13 today. Next location after that will be 02-8.
- Some results for 02-5, 02-12, and 02-9 are still outstanding. Latest results show that perchlorate was detected at 0.5 ppb in one profile sample from 02-5.
- Bourne Water Supply wells are being sampled weekly; samples were collected yesterday, 3/27.

- All wells that were included in the first sampling round have been surveyed; the surveyed coordinates should be available shortly. One synoptic water level round has been completed, but another one is needed. 1-88 and other wells will be surveyed after initial survey results are received. Water table map should be available at the 4/4 Tech meeting, as requested by the agencies.
- Leo Yuskus (Haley and Ward) requested that the M Series wells be sampled (M-1 (not shown on map), M-2, M-3, M-4, M-5, M-7) to see how far to the south the contamination has migrated. These wells to be sampled at three positions along a single 20-foot screen as for M-6. Results for M-6 showed non detects at all three positions (top, middle and bottom) along the screen. Mr. Yuskus also requested that 97-2 series sentry wells around Production Well 6 be sampled. 97-2e has already been sampled. Additional wells for sampling include b,c,d,f, and g wells. Mr. Yuskus to provide well logs for these wells as soon as tomorrow 3/29. AMEC potentially can begin sampling these wells tomorrow or Monday 4/1, depending on availability of well tubing. AMEC will continue with monthly Bourne sampling until logs and tubing are procured. The 97-2 sentry wells will be the first priority and then the M series wells. The monthly monitoring can be continued once these wells are sampled.
- In terms of additional wells, AMEC proposed a new monitoring well 600 feet southwest of 02-9 location and equidistant between 97-5 and M-6. This location on Conversation Commission land would be more readily accessible than previously proposed 02-6 location on Conservation Commission land. An additional proposed well was suggested at the approximate location of M-6. Ben Gregson (IAGWSPO) favored drilling this well first, in case the perchlorate contamination had advanced this far south in the area. All three of these locations to be reviewed with the Conversation Commission on 4/1 at 9am. The Conversation Commission's particular concern was that the drilling not impact walking trails in the area. Conscom to be meeting on Wednesday 4/3.
- In a related matter, while AMEC was sampling WS-4, the measuring tape got stuck in the well. A down-hole camera revealed that the well is blocked with rocks at approximately 135 feet bgs. AMEC to determine what needs to be done to fix the well; Guard to determine well ownership and seek permission to fix the well.
- Pursuant to the potential use of Base Water Supply well, WS-4 for emergency water resources for Bourne, the Bourne Water District would like to conduct a 5-day pump test of WS-4 within the month to determine the well capacity and quality. The water district would also like two monitoring wells to be installed upgradient for monitoring groundwater quality.
- Ben Gregson relayed that there had been a question at the Senior Management Bourne meeting regarding lab data reliability. Are the low levels of perchlorate we are seeing real? Marc Grant pointed out that routine QA protocols including calibration standards and blind performance standards have proven out that the E314.0 method is reliable. AFCEE intends to send certified spiked samples to test the laboratory's performance.
- Jay Clausen (AMEC) indicated that AMEC has prepared a perchlorate comparison study using Ceimic (the lab that does the E314.0 method), ARA and Acculabs. ARA has both a colorimetric method that is sensitive to 1 ppb, possibly 0.2 ppb and an IC Method that looks at ion pairs. The comparison study would involve sending samples from a Bourne water supply well with perchlorate detections, samples from 97 series sentry wells that have had detections, and 6 or so profile samples to be analyzed by all the labs.
- Jay Clausen announced that Dr. Fred Cannon (Pennsylvania State University) would be providing a presentation on the use of Granular Activated Carbon for perchlorate treatment based on his experience with the Redland CA treatment system on 4/4 at 8am in the Groundwater Study Program Office.

- Leo Yuskus indicated that the Bourne Water District is approaching DEP, asking that the agency establish a health criteria for perchlorate that could be used to determine if supply wells containing trace levels could be used or not. Currently there is no firm guidance.
- **ACTION ITEMS**
    - 4/1 meeting with Conscom, 9 am to discuss additional well locations
    - sample 97-2 series wells. Logs to be forwarded to AMEC.
    - Sample M series wells.
    - Continue monthly monitoring.
    - Drill proposed well near M-6, pending agreement with Conscom.
    - 4/4 meeting with Dr. Cannon.
    - WS-4 assess how to remove rocks from well.
    - Water contour map to be provided next week.
    - Lab quality comparison study, pending.
    - DEP to advise on health advisory limit for perchlorate.

Cultural Resource Manager

- LTC William FitzPatrick announced that Dr. Susan Goodfellow has been hired with the Environmental Readiness Center to serve as the Cultural Resource Manager for army installations in Connecticut, Rhode Island, and Massachusetts. Dr. Goodfellow will be based at Camp Edwards. Her responsibilities will be to review any excavation, structure renovation/destruction plans relative to a cultural resources impact including those applicable to the Native American tribes.
- Karen Wilson (IAGWSPO) is giving Dr. Goodfellow time to acclimate, but will be incorporating her into the Record of Action process.
- Dr. Goodfellow to be added to distribution lists: Email address susan.goodfellow@ma.ngb.army.mil

Scrap Yard

- As part of a site reconnaissance yesterday 3/27, Todd Borci (EPA) and Desiree Moyer (EPA) made several observations regarding the scrap yard. The scrap yard, situated at the former RRA containment pad, is washed by rainwater that flows off the pad.
- Frank Fedele (ACE) indicated that the applicable storm water management plan is the Range Use plan, however there is no stormwater permit. The contractor has stopped work at the request of the Corps due to a number of safety and procedural concerns, but should be starting again as soon as next week, week of April 1.
- In terms of contamination associated with scrap, only one target so far has had an explosive detect. This and any other scrap items will be deconned prior to staging them at the pad.
- Mr. Borci indicated that a pile of OE scrap just west of the containment pad on the edge of the woods needs to be documented and the origin determined (from site preparation for pad development or mobilized from other area). The origin of this scrap may reflect on the use history of the area. Mr. Borci also observed a spot with a diesel odor but no associated staining. Was this area related to a recent release or something else, possibly a UST associated with the former airfield?
- Mr. Borci noted that the installation of the RRA Pad well is not on the combined investigation schedule. Because of these observations at the Scrap yard, EPA will likely request that this well be profiled for perchlorate and VOCs. Perchlorate because it is along the line of detects back from MW-80 and VOCs because of the proximity to the spot with the diesel odor.
- Mr. Borci also requested that the Range Control well be added to the perchlorate-sampling plan due to be submitted in a couple weeks.

- Desiree Moyer to review Stormwater Management Plan and scrap yard with Frank Fedele, week of April 1.

2. SUMMARY OF DATA RECEIVED

Validated data were received during February for Sample Delivery Groups (SDGs) CEI033, CEI037, CEI041, CEI042, CEI044, CEI045, CEI047, CEI048, CEI049, CEI050, CEI051, CEI053, CEI056, CEI059, CEI060, CEI063, CEI066, CEI073, CMR032, CMR033, CMR034, CMR036, CMR050, CMR051, DMR007, DMR009, DMR011, MMR523, MMR679, MMR682, MMR685, MMR688, MMR690, MMR699, MMR700, MMR702, MMR704, MMR705, MMR706, MMR708, MMR716, MMR748, and NMR011. These SDGs contain results for 183 groundwater samples from monitoring and water supply wells; 89 groundwater profile samples from wells 00-4, 02-02, J2P-11, MW-177, MW-178, MW-180, MW-183, MW-184, MW-198, MW-199, and MW-28; 125 soil grid and 9 soil grab samples from J-1, J-2, J-3, and L Ranges, Mashpee High School, Deerhorn Hill, and the Bourne Well Field; 5 surface water samples from Snake Pond; 45 crater grid samples from J-1, J-2, and J-3 Range sites; 1 crater grab sample; and 2 process water samples from the FS-12 treatment system.

Validated Data

Figures 1 through 8 depict the cumulative results of groundwater analyses for the period from the start of the IAGS (July 1997) to the present. Each figure depicts results for a different analyte class:

- Figure 1 shows the results of explosive analyses by EPA Method 8330
- Figure 2 shows the results of inorganic analyses (collectively referred to as “metals”, though some analytes are not true metals) by methods E200.8, 300.0, 350.2M, 353M, 365.2, CYAN, IM40MB, and IM40HG
- Figure 3 shows the results of Volatile Organic Compound (VOC) analyses by methods OC21V, 504, and 8021W, exclusive of chloroform detections
- Figure 4 shows the results of Volatile Organic Compound (VOC) analyses by method OC21V, only detections of chloroform. This figure is updated and included semiannually in only in the January and July Monthly Progress Reports.
- Figure 5 shows the results of Semi-Volatile Organic Compound (SVOC) analyses by methods OC21B and SW8270, exclusive of detections of bis (2-ethylhexyl) phthalate (BEHP)
- Figure 6 shows the results of Semi-Volatile Organic Compound (SVOC) analyses by methods OC21B and SW8270, only detections of BEHP. This figure is updated and included semiannually only in the January and July Monthly Progress Reports.
- Figure 7 shows the results of Pesticide (method OL21P) and Herbicide (method 8151) analyses
- Figure 8 shows the results of Perchlorate analysis by method E314.0

The concentrations from these analyses are depicted in Figures 1-7 compared to Maximum Contaminant Levels (MCLs) or Health Advisories (HAs) published by EPA for drinking water. The concentrations from Perchlorate analyses are depicted in Figure 8 compared to an EPA MMR Relevant Limit. A red circle is used to depict a well where the concentration of one or more analytes was greater than or equal to (GTE) the lowest MCL, HA, or EPA MMR Relevant Limit for the analyte(s). A yellow circle is used to depict a well where the concentration of all

analytes was less than (LT) the lowest MCL, HA, or EPA MMR Relevant Limit. A green circle is used to depict a well where the given analytes were not detected. An open circle is used to depict an existing well where the analytes in question (for example, Explosives in Figure 1) have not yet been measured. Table 3 summarizes the detections that exceeded a MCL, HA, or EPA MMR Relevant Limit, sorted by analytical method and analyte, since 1997.

There are multiple labels listed for some wells in Figures 1-8, which indicate multiple well screens at different depths throughout the aquifer. The aquifer is approximately 200-300 feet thick in the study area. Well screens are positioned throughout this thickness based on various factors, including the results of groundwater profile samples, the geology, and projected locations of contaminants estimated by groundwater modeling. The screen labels are colored to indicate which of the depths had the chemical detected above MCLs/HAs/EPA Limit. Generally, groundwater entering the top of the aquifer will move deeper into the aquifer as it moves radially outward from the top of the water table mound. Light blue dashed lines in Figures 1-8 depict water table contours. Groundwater generally moves perpendicular to these contours, starting at the center of the 70-foot contour (the top of the mound) and moving radially outward. The rate of vertical groundwater flow deeper into the aquifer slows as groundwater moves away from the mound.

The results presented in Figures 1-8 are cumulative, which provides a historical perspective on the data rather than a depiction of current conditions. Any detection at a well that equals or exceeds the MCL/HA/EPA Limit results in the well having a red symbol, regardless of later detections at lower concentrations, or later non-detects. The difference between historical and current conditions varies according to the type of analytes. There are little or no differences between historical and current exceedances of drinking water criteria for Explosives, VOCs, Pesticides, and Herbicides; the minor differences are mentioned in the following paragraphs. There are significant differences between historical and current exceedances of drinking water criteria for Metals and SVOCs, as described further below. There is no historical data available for Perchlorate.

Figure 1: Explosives in Groundwater Compared to MCLs/HAs

For data validated in March 2002, one well, 45S (L Range), had a first time validated detection of an explosive compound, hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX), which did not exceed the MCLs/HAs.

Exceedances of drinking water criteria for explosive compounds are indicated in three general areas:

- Demo Area 1 (wells 19, 31, 34, 73, 76, 77, and 114);
- the Impact Area and CS-19 (wells 58MW0001, 0002, 0009E, 0011D, 0016B, 0016C,; and wells 1, 2, 23, 25, 37, 38, 40, 85, 86, 87, 88, 89, 90, 91, 93, 95, 98, 99, 100, 101, 105, 107, 111, and 113); and
- J Ranges and southeast of the J Ranges (wells 45, 58, 132, 147, 153, 163, 164, 165, 166, 171 and wells 90MW0022 and 90WT0013).

Exceedances of drinking water criteria were measured for 2,4,6-trinitrotoluene (TNT) at Demo Area 1 (wells 19S, 31S, 31M, and 31D), and for hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) at all of the locations listed above except at MW-45. Exceedances of drinking water criteria were measured for 2,6-dinitrotoluene (2,6-DNT) at MW-45S. One of the exceedance wells,

90WT0013, has had no detectable RDX in the last seven validated sample rounds (1/99 to 09/01).

Demo Area 1 has a single well-defined source area and extent of contamination. The estimated extent of RDX exceeding the HA at Demo Area 1 based on the most recent groundwater measurements is indicated by a magenta concentration contour line on Figure 1 and the inset.

CS-19 is a site located in the Impact Area. Portions of CS-19 are currently under investigation by the Air Force Center for Environmental Excellence (AFCEE) under the Superfund program. Other portions of CS-19, and the remainder of the Impact Area, are under investigation by the National Guard Bureau. RDX has been measured in groundwater emanating from both CS-19 and the Impact Area. A magenta concentration contour line is used in Figure 1 and the inset to show the extent of RDX exceeding the HA in these areas. This extent is based on samples from monitoring wells and samples collected during the drilling process ("profile" samples). This extent also considers non-validated data, where the results have been confirmed using Photo Diode Array (PDA). Additional information regarding PDA is provided below under the heading "Rush (Non-Validated) Data". Currently it appears there are multiple sources of RDX in the Impact Area, including CS-19.

Concentration contours will be prepared for other areas, and refined for the above areas, when sufficient data are available. Studies are currently underway to better delineate the extent of contaminants in the Impact Area, which may include several separate sources. Studies are also underway at Demo 1 and the J Ranges and southeast of the J Ranges to evaluate the sources and extent of contaminants.

Figure 2: Metals in Groundwater Compared to MCLs/HAs

For data validated in March 2002, twenty-five wells had first time detections of one or more metals below the MCL/HAs including 80M1, 80M2, 80M3, 80S, 81D, 81M1, 81M2, 81M3, 81S, 82M1, 82M2, 82S, 83S (Bourne far field), 166M1, 166M2, 166M3 (J-1 Range), 34M2, 35M1, 35M2 (Demo Area 1), 45S (L Range), 46S, 47M1 (southwest of Central Impact Area), 54M3 (northeast of Central Impact Area), 94M2 (Central Impact Area), and 61S (KD Range).

Exceedances of drinking water criteria for metals are scattered throughout the study area. Where two or more rounds of sampling data are available, the exceedances generally have not been replicated in consecutive sampling rounds. The exceedances have been measured for antimony, arsenic, cadmium, chromium, lead, molybdenum, sodium, thallium and zinc. None of the 11 antimony exceedances were repeated in consecutive sampling rounds, and only one exceedance (well 50M1) was measured in year 2000 results. Arsenic (in well 7M1), cadmium (52M3), and chromium (7M1) each had one exceedance in a single sampling round in August-September 1999. One of four lead exceedances (ASP well) was repeated in another sampling round and the remaining three lead exceedances (wells 2S, 7M1, and 45S) have not been repeated in previous or subsequent results. The Health Advisory for molybdenum was updated based on the most current state and federal Health Advisories from 10 ppb to 40 ppb. Two of the eight molybdenum exceedences were repeated in consecutive sampling rounds (wells 53M1 and 54S). All of the molybdenum exceedences have been observed in year 1998 and 1999 results. Six of the 16 sodium exceedances were repeated in consecutive sampling rounds (wells 2S, 46S, 57M2, 57M1, 145S, and SDW261160). Five wells (90WT0010, 21S, 46S, 57M1, and 57M2) had sodium exceedances in the year 2000 results; three wells (144S, 145S and ASP) had exceedances in the year 2001 results. Seven of the 62 thallium exceedances were repeated in consecutive sampling rounds (wells 7M1, 7M2, 47M2, 52S, 52D, 54S, and 54M1).

Twenty-two wells (2D, 3D, 35S, 39M1, 45S, 46M1, 47M3, 47M2, 48M3, 48D, 49M3, 50M1, 52S, 54S, 56S, 56M3, 57M2, 58S, 64M1, 73S, 83S, and 127S) had thallium exceedances in the year 2000 results; three wells (94M2, 132S, and 150S) had thallium exceedances in the year 2001 results. Zinc exceeded the HA in seven wells, all of which are constructed of galvanized (zinc-coated) steel.

The distribution and lack of repeatability of the metals exceedances is not consistent with a contaminant source, nor do the detections appear to be correlated with the presence of explosives or other organic compounds. The Guard has re-evaluated inorganic background concentrations using the expanded groundwater quality database of 1999, and has submitted a draft report describing background conditions. This draft report indicates that of the nine metals exceeding drinking water criteria, only molybdenum is potentially associated with the site. The population characteristics of the remaining eight metals were determined to be consistent with background.

Figure 3: VOCs in Groundwater Compared to MCLs/HAs

For data validated in March 2002, seven screens had new validated detections of volatile organic compounds. None of these detections exceeded MCLs/HAs. Wells 7D (Central Impact Area), 166M2 (J-1 Range), and 168M3 (J-1 Range) had detections of chloromethane, 110M1 (Central Impact Area) had a detection of benzene, 166M1 (J-1 Range) had a detection of toluene, 45S (L Range) had a detection of methyl isobutyl ketone, and 166M3 (J-1 Range) had a detection of trichloroethylene (TCE).

Exceedances of drinking water criteria for VOCs are indicated in three general areas: CS-10 (wells 03MW0007A, 03MW0014A, and 03MW0020), LF-1 (well 27MW0017B), and FS-12 (wells MW-45S, 90MW0003, and ECMWSNP02D). CS-10, LF-1, and FS-12 are sites located near the southern extent of the Training Ranges that are currently under investigation by AFCEE under the Superfund program. Exceedances of drinking water criteria were measured for tetrachloroethylene (PCE) at CS-10, for vinyl chloride at LF-1, and for toluene, 1,2-dichloroethane, and ethylene dibromide (EDB) at FS-12. These compounds are believed to be associated with the sites under investigation by AFCEE. Detections of chloroform are presented separately in Figure 4. Figure 4 will be updated semiannually and included only in the January and July Monthly Progress Reports.

Figure 4: Chloroform in Groundwater Compared to MCLs

Chloroform has been widely detected in groundwater across the Upper Cape as stated in a joint press release from USEPA, MADEP, IRP, and the Joint Programs Office. The Cape Cod Commission (2001) in their review of public water supply wells for 1999 found greater than 75% contained chloroform with an average concentration of 4.7 ug/L. The IRP has concluded chloroform is not the result of Air Force activities. A detailed discussion of the presence of chloroform is provided in the Final Central Impact Area Groundwater Report (06/01). To date, the source of the chloroform in the Upper Cape groundwater has not been identified. This figure, presenting only chloroform detections will be updated semiannually and included only in the January and July Monthly Progress Reports.

Figure 5: SVOCs in Groundwater Compared to MCLs/HAs

For data validated in March 2002, three wells had first time validated detections of a semi-volatile organic compound. Wells 166M1, M2 (J-1 Range) and 168M3 (J-1 Range) had detections of dibenzofuran. There is no MCL/HA for dibenzofuran.

Exceedances of drinking water criteria for SVOCs are scattered throughout the study area. All exceedances of drinking water criteria for SVOCs were measured for bis (2-ethylhexyl) phthalate (BEHP), except for well 41M1 which had an estimated level of 2,6-dinitrotoluene (DNT) that is equal to the HA. Detections of BEHP are presented separately in Figure 6. Figure 6 will be updated semiannually and included only in the January and July Monthly Progress Reports.

The 2,6-DNT detected at well 41M1 is interesting in that the explosive analysis of this sample by EPA Method 8330 did not detect this compound. The reporting limit under Method 8330 is much lower than the limit for the SVOC method. Well 41M1 was installed along the groundwater flow path downgradient from well 2M2, which has had RDX detected above the HA in the explosive analysis as indicated above. The 2,6-DNT detection at well 41M1 was in the second sampling round, and samples from this well did not have 2,6-DNT detected by either the SVOC method or the explosive method in the first, third, fourth, or fifth sampling rounds.

Figure 6: BEHP in Groundwater Compared to MCLs

Exceedances of drinking water criteria for bis (2-ethylhexyl) phthalate (BEHP) are scattered throughout the study area. BEHP is believed to be largely an artifact of the investigation methods, introduced to the samples during collection or analysis. However, the potential that some of the detections of BEHP are result of activities conducted at MMR has not been ruled out.

A detailed discussion of the presence of BEHP is provided in the Draft Completion of Work Report (7/98) and subsequent responses to comments. The theory that BEHP mostly occurs as an artifact, and is not really present in the aquifer, is supported by the results of subsequent sampling rounds that show much lower levels of the chemical after additional precautions were taken to prevent cross-contamination during sample collection and analysis. Only four locations (out of 80) showed BEHP exceedances in consecutive sampling rounds: 28MW0106 (located near SD-5, a site under investigation by AFCEE), 58MW0006E (located at CS-19), and 90WT0013 (located at FS-12), and 146M1 (located at L Range). Subsequent sampling rounds at all these locations have had results below the MCL. Three wells (49S, 57M2, and 84D) have had a BEHP exceedance in the year 2000 results. Nine wells (28M1, 55D, 82D, 142M1, 142M2, 146M1, 157D, 168M1, 168M2) have had a BEHP exceedance in the year 2001 results. This figure, presenting only BEHP detections will be updated semiannually and included only in the January and July Monthly Progress Reports.

Figure 7: Herbicides and Pesticides in Groundwater Compared to MCLs/HAs

For data validated in March 2002, two locations had first time validated detections of a pesticide or herbicide. Wells 166M3 (J-1 Range) and 80M2 (Bourne far field) had detections of chloramben, which did not exceed the MCL/HA.

There was one exceedance of drinking water criteria for pesticides, at well PPAWSMW-1. A contractor to the United States Air Force installed this monitoring well at the PAVE PAWS radar station in accordance with the Massachusetts Contingency Plan (MCP), in order to evaluate contamination from a fuel spill. The exceedance was for the pesticide dieldrin in a sample collected in June 1999. This well was sampled again in November 1999. The results of the November sample indicate no detectable pesticides although hydrocarbon interference was noted. It appears from the November sample that pesticides identified in the June sample were false positives. However, the June sample results cannot be changed when following the EPA functional guidelines for data validation. The text of the validation report for the June sample has been revised to include an explanation of the hydrocarbon interference and the potential for false positives.

There was one exceedance of drinking water criteria for herbicides, at well 41M1. This response well was installed downgradient of the Central Impact Area, as indicated above (see discussion for Figure 5). The exceedance was for the herbicide pentachlorophenol in a sample collected in May 2000. There were no detections of this compound in the three previous sampling rounds in 1999, nor in the subsequent sampling rounds in 2000.

Figure 8: Perchlorate in Groundwater Compared to EPA MMR Relevant Standard

For data validated in March 2002, twenty-one wells had first time detections of perchlorate below the EPA MMR Relevant Standard. Perchlorate was detected in CS-19 wells (58M20002, 0007B, 0009E, 0018A, 0018B, and 0020B), Bourne sentry wells (97-1, 97-5), Bourne far field wells (80M2), Demo Area 1 wells (33M, 77M1, 78M1), Southeast of the Ranges (157M1), and Central Impact Area wells (107M1, 108M1, 85M1, 90M1, 90S, 99S, OW-2, and OW-6). Three wells had first time detections of perchlorate above the EPA MMR Relevant Standard, including Demo Area 1 wells (33D, 36M2) and Central Impact Area well (OW-1).

Sampling and analysis of groundwater for perchlorate was initiated at the end of the year 2000 as part of the groundwater study program at Camp Edwards. EPA established a limit for perchlorate of 1.5 parts per billion (ppb) specific to Camp Edwards. At present, there are 44 exceedances of the limit of 1.5 ppb for perchlorate.

Exceedances of drinking water criteria for perchlorate are indicated in five general areas:

- Demo Area 1 (wells 19, 31, 34, 35, 73, 75, 76, 77, 78, 114, 129, 139, 165, and 172);
- Central Impact Area (wells 91, 93, 99, 100, 101, 105, and OW-1);
- J Ranges and southeast of the J Ranges (wells 125, 127, 128, 130, 132, 158, and 163, 166, and wells 90MW0022 and 90MW0054); and
- Northwest of Impact Area (well 66).
- West of Impact Area (well 80)

<u>Rush (Non-Validated) Data</u>

Rush data are summarized in Table 4. 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 profile samples, are typically conducted in this timeframe. Other types of analyses may be rushed depending on the proposed use of the data. The rush data have not yet been validated, but are provided as an indication of the most recent preliminary results. Table 4 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 4. 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 4, 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 4 includes the following detections:

- Groundwater samples from wells 4036000-03G, 4036000-04G and 4036000-06G (Bourne supply wells) had detections of perchlorate and chloroform. This is the first time perchlorate has been detected and the first sampling rounds for VOCs in these wells.

- Groundwater samples from wells 4261020-01G (Sandwich Town Hall Spring well), SANDHATCH1-A, B, C, and D, (Sandwich Fish Hatchery wells) and 01-1 (Bourne test well) had detections of chloroform. This is the first time these wells have been sampled.

- Groundwater samples from 4036000-01G (Bourne supply well), 97-1 (Bourne sentry well), MW-80S, M3 and MW-81S, M2, M1, D (Bourne far field wells) had detections of chloroform. This is the first sampling round for VOCs in 4036000-01G. The other chloroform detections are similar to previous sampling rounds.

- Groundwater samples from 97-2 and 97-5 (Bourne sentry wells) and MW-80M2 (Bourne far field) had detections of perchlorate and chloroform. This is the first time perchlorate has been detected in MW-80M2. All other detections were similar to previous sampling rounds.

- Groundwater samples from MW-80M1 (Bourne far field) had a detection of perchlorate. This detection was similar to previous sampling rounds.

- Groundwater samples from 97-3 and duplicate (Bourne sentry well) had detections of chloroform and TCE. These detections are similar to previous sampling rounds.

- A groundwater sample from 01-2 (Bourne test well) had a detection of chloroform. A duplicate groundwater sample had detections of chloroform and perchlorate. This is the first time this well has been sampled.

- Groundwater samples from well 1-88A (Bourne test well) had detections of perchlorate, acetone, chloroform, and toluene. This is the first sampling round for this well.

- Groundwater samples from well 1-88B (Bourne test well) had detections of picric acid, acetone, chloromethane, 2-butanone, and toluene. The detection of picric acid was not confirmed by PDA spectra. This is the first sampling round for this well.

- Groundwater samples from MW-173M3 (Demo Area 1) had a detection of perchlorate. This resampling result is similar to previous sampling round result, which was the first detection of perchlorate in this well.

- Groundwater samples from MW-163S (J-3 Range) had detections of perchlorate, RDX and HMX. The detections of RDX and HMX were confirmed by PDA spectra. These detections are similar to previous sampling rounds.

- Groundwater samples from MW-176M1 (Central Impact Area) had a detection of RDX that was confirmed by PDA spectra. This is the first time RDX has been detected in this well.

- Groundwater samples from MW-178M1 (Central Impact Area) had a detection of RDX that was confirmed by PDA spectra. This detection is similar to previous sampling rounds.

- Groundwater samples from MW-201M1 and M2 (Central Impact Area) had detections of RDX that were confirmed by PDA spectra. These first round sampling results are consistent with the groundwater profile results.

- Groundwater samples from MW-181S (J-3 Range) had a detection of HMX that was confirmed by PDA spectra. This detection was similar to previous sampling rounds.

- Groundwater profile samples from MW-206 (CIAP-19) had detections of 4A-DNT (2 intervals), nitroglycerin (2 intervals), RDX (3 intervals), HMX (1 interval), and picric acid (2 intervals. The detections of RDX and HMX were confirmed by PDA spectra.

- Groundwater profile samples from MW-207 (CIAP-18) had detections of 4A-DNT (1 interval), nitroglycerin (2 intervals), and RDX (6 intervals). Five detections of RDX were confirmed by PDA spectra, one detection with interference.

- Groundwater profile samples from MW-209 (CIAP-17) had detections of RDX (3 intervals) and nitroglycerin (1 interval). The detections of RDX were confirmed by PDA spectra.

- Groundwater profile samples from MW-210 (D1P-9) had detections of 3-nitrotoluene (1 interval), 4A-DNT (1 interval), RDX (1 interval), nitroglycerin (1 interval), PETN (1 interval), picric acid (1 interval), perchlorate (6 intervals). The detection of RDX was confirmed by PDA spectra. The detection of 3-nitrotoluene was confirmed by PDA spectra, but with interference.

- Groundwater profile samples from 02-01 (Bourne) had detections of 1,3,5-trinitrobenzene (1 interval), 3-nitrotoluene (2 intervals), 4-nitrotoluene (1 interval), nitroglycerin (1 interval), PETN (1 interval), RDX (1 interval), 1,2,4-trichlorobenzene (1 interval), 1,2-dichlorobenzene (3 intervals), 1,4-dichlorobenzene (3 intervals), acetone (4 intervals), benzene (1 interval), chlorobenzene (2 intervals), chloroform (5 intervals), chloromethane (2 intervals), ethylbenzene (1 interval), 2-butanone (1 interval), PCE (1 interval), TCE (1 interval), toluene (3 intervals), and xylenes (1 interval). None of the detections of explosives were confirmed by PDA spectra. One detection of 3-nitrotoluene was not confirmed, but with interference.

- Groundwater profile samples from 02-02 (Bourne) had detections of 1,3,5-trinitrobenzene (1 interval), 1,3-dintirobenzene (1 interval), HMX (1 interval), acetone (2 intervals), chloroform (8 intervals), and perchlorate (6 intervals). The detection of 1,3,5-trinitrobenzene was confirmed by PDA spectra.

- Groundwater profile samples from 02-03 (Bourne) had detections of TNT (1 interval), 2,4-DNT (1 interval), 4A-DNT (1 interval), RDX (1 interval), nitroglycerin (4 intervals), PETN (1

interval), picric acid (1 interval), perchlorate (1 interval), acetone (9 intervals), chloroform (11 intervals), chloromethane (3 intervals), and 2-butanone (9 intervals). None of the detections of explosives were confirmed by PDA spectra.

- Groundwater profile samples from 02-05 (Bourne) had detections of 2A-DNT (1 interval), nitrobenzene (1 interval), nitroglycerin (1 interval), picric acid (1 interval), perchlorate (8 intervals), 2-hexanone (3 intervals), acetone (11 intervals), chloroethane (3 intervals), chloroform (11 intervals), chloromethane (4 intervals), 2-butanone (11 intervals), and methyl isobutyl ketone (1 interval). The explosive detections were not confirmed by PDA spectra.

- Groundwater profile samples from 02-09 (Bourne) had detections of 1,3-dinitrobenzene (3 intervals), nitroglycerin (4 intervals), HMX (1 interval), perchlorate (4 intervals), 2-hexanone (1 interval), acetone (14 intervals), benzene (1 interval), chloroethane (2 intervals), chloroform (13 intervals), chloromethane (5 intervals), 2-butanone (13 intervals), and toluene (1 interval). The explosive detections were not confirmed by PDA spectra.

- Groundwater profile samples from 02-12 (Bourne) had detections of 2,6-DNT (2 intervals) nitroglycerin (2 intervals), and picric acid (1 interval), acetone (4 intervals), chloroform (11 intervals), chloromethane (1 interval), 2-butanone (1 interval), and TCE (1 interval). The detections of 2,6-DNT were confirmed by PDA spectra.

3. DELIVERABLES SUBMITTED

Deliverables submitted during the reporting period include the following:

Weekly Progress Update for February 18 – February 22, 2002	03/01/02
Final J-2 Range Additional Delineation Workplan #2	03/07/02
Weekly Progress Update for February 25 – March 1, 2002	03/08/02
February 2002 Monthly Progress Report	03/08/02
Draft Summary Report – September 2000 UXO Detonations	03/08/02
Weekly Progress Update for March 4 – March 8, 2002	03/15/02
Final COWR RRA Status Report	03/21/02
Weekly Progress Update for March 11 – March 15, 2002	03/22/02
Weekly Progress Update for March 18 – March 22, 2002	03/29/02

4. SCHEDULED ACTIONS

Figure 9 provides a Gantt chart updated to reflect progress and proposed work. Activities scheduled for April and early May include:

- Continue Central Impact Area Draft Soil Report revision
- Finish Central Impact Area Targets Investigation (Phase 2)
- Continue HUTA 1 Draft Report revision
- Finish HUTA 2 Site #1 Draft Report
- Continue HUTA 2 Site #2 Draft Report preparation
- Start Continue HUTA 2 Site #3 Draft Report preparation
- Continue HUTA 2 Site #4 Draft Report preparation
- Continue HUTA 2 Site #5 Draft Report preparation
- Continue J-1/J-3/L Range Additional Delineation Draft Report preparation

- Finish J-1/J-3/L Range Final Additional Delineation Workplan #2
- Finish Gun and Mortar Positions Final Additional Characterization Workplan
- Continue Phase II(b) Draft Report revision
- Finish Former A/K/Demo 2 Final Report
- Continue Revised MSP Phase I Draft Report revision
- Finish MSP2 Demo Area 1 Validation Final Report
- Continue MSP2 Slit Trench Validation Draft Report revision
- Finish MSP2 ASP Geophysics Final Report
- Finish MSP2 Former K Range Final Report
- Finish MSP2 Former A Range Final Report
- Continue Demo Area 1 Soil Feasibility Study Screening Draft Report revision
- Finish Demo Area 1 Soil Post-Screening Investigation Final Workplan
- Continue Demo Area 1 Groundwater Feasibility Study Draft Report revision
- Continue Central Impact Area Groundwater Post-Screening Investigation
- Continue UXO Feasibility Study Screening Draft Report revision

5. SUMMARY OF ACTIVITIES FOR DEMO 1

Additional delineation of the downgradient portion of the groundwater plume will be conducted prior to finalizing the Feasibility Study for the Groundwater Operable Unit. Drilling for the first proposed monitoring well, D1P-9, was completed in March and monitoring well screen depths were selected based on profile results. Subsequent monitoring locations, which were previously proposed, were re-evaluated based on the recent perchlorate detections in monitoring well MW-173M3 located on Pew Road. Proposed well location, D1P-10, was proposed approximately 350 feet south of MW-173 on Pew Road, and will be drilled in April. Soil sampling in accordance with the Post-Screening Investigation Work Plan was completed in March. EPA approved the memorandum of resolution for the Demo 1 Post-Screening Investigation Work Plan on March 11, 2002.

TABLE 2
SAMPLING PROGRESS
3/1/2002 - 3/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HCA02270201AA	A02270201	03/08/2002	CRATER GRAB	0.00	0.25		
HDA02270201AA	A02270201	03/08/2002	CRATER GRAB	0.00	0.25		
D1.A.00.044.1.0	D1.3.00044.R	03/07/2002	CRATER GRID	0.00	0.25		
D1.A.00.044.2.0	D1.3.00044.R	03/07/2002	CRATER GRID	0.00	0.25		
D1.A.00.044.3.0	D1.3.00044.R	03/07/2002	CRATER GRID	0.00	0.25		
J1.A.T1.014.1.0	J1.T1.014.R	03/07/2002	CRATER GRID	0.00	0.25		
J1.A.T1.014.2.0	J1.T1.014.R	03/07/2002	CRATER GRID	0.00	0.25		
J1.A.T1.014.3.0	J1.T1.014.R	03/07/2002	CRATER GRID	0.00	0.25		
J1.A.T1.PR01.1.0	J1.T1.012.R/J1.T1.01	03/16/2002	CRATER GRID	3.00	3.25		
J1.A.T1.PR02.1.0	J1.T1.012.R/J1.T1.01	03/16/2002	CRATER GRID	3.00	3.25		
J1.A.T1.PR03.1.0	J1.T1.012.R/J1.T1.01	03/16/2002	CRATER GRID	3.00	3.25		
J1.A.T1.PR04.1.0	J1.T1.012.R/J1.T1.01	03/16/2002	CRATER GRID	3.00	3.25		
J1.A.T1.PR05.1.0	J1.T1.012.R/J1.T1.01	03/16/2002	CRATER GRID	3.00	3.25		
J1.A.T1.PR05.1.D	J1.T1.012.R/J1.T1.01	03/16/2002	CRATER GRID	3.00	3.25		
J1.A.T1.PT01.3.0	J1.T1.012.R/J1.T1.01	03/16/2002	CRATER GRID	3.00	3.25		
J1.A.T1.PT02.3.0	J1.T1.012.R/J1.T1.01	03/16/2002	CRATER GRID	3.00	3.25		
J1.A.T1.PT03.3.0	J1.T1.012.R/J1.T1.01	03/16/2002	CRATER GRID	3.00	3.25		
J1.A.T1.PT04.3.0	J1.T1.012.R/J1.T1.01	03/16/2002	CRATER GRID	3.00	3.25		
J1.A.T1.PT05.3.0	J1.T1.012.R/J1.T1.01	03/16/2002	CRATER GRID	3.00	3.25		
J1.A.T1.PT06.3.0	J1.T1.012.R/J1.T1.01	03/16/2002	CRATER GRID	3.00	3.25		
J1.A.T1.PT07.3.0	J1.T1.012.R/J1.T1.01	03/16/2002	CRATER GRID	3.00	3.25		
J1.A.T1.PT08.3.0	J1.T1.012.R/J1.T1.01	03/16/2002	CRATER GRID	3.00	3.25		
J1.A.T1.PT09.3.0	J1.T1.012.R/J1.T1.01	03/16/2002	CRATER GRID	3.00	3.25		
J1.A.T1.PT10.3.0	J1.T1.012.R/J1.T1.01	03/16/2002	CRATER GRID	3.00	3.25		
T3.A.0B.001.1.0	T3.0B.001.R	03/06/2002	CRATER GRID	1.50	1.75		
T3.A.0B.001.2.0	T3.0B.001.R	03/07/2002	CRATER GRID	1.50	1.75		
T3.A.0B.001.3.0	T3.0B.001.R	03/07/2002	CRATER GRID	1.50	1.75		
T3.A.0B.010.1.0	T3.0B.010.R	03/06/2002	CRATER GRID	2.50	2.75		
T3.A.0B.010.2.0	T3.0B.010.R	03/07/2002	CRATER GRID	2.50	2.75		
T3.A.0B.010.3.0	T3.0B.010.R	03/07/2002	CRATER GRID	2.50	2.75		
T3.A.0B.010.3.D	T3.0B.010.R	03/07/2002	CRATER GRID	2.50	2.75		
T3.A.0D.006.1.0	T3.0D.006.R	03/06/2002	CRATER GRID	0.00	0.25		
T3.A.0D.006.2.0	T3.0D.006.R	03/07/2002	CRATER GRID	0.00	0.25		
T3.A.0D.006.3.0	T3.0D.006.R	03/07/2002	CRATER GRID	0.00	0.25		
T3.A.0F.004.1.0	T3.0F.004.R	03/06/2002	CRATER GRID	0.00	0.25		
T3.A.0F.004.2.0	T3.0F.004.R	03/07/2002	CRATER GRID	0.00	0.25		
T3.A.0F.004.3.0	T3.0F.004.R	03/07/2002	CRATER GRID	0.00	0.25		
T3.A.0Q.011.1.0	T3.0Q.011.R	03/06/2002	CRATER GRID	0.00	0.25		
T3.A.0Q.011.2.0	T3.0Q.011.R	03/07/2002	CRATER GRID	0.00	0.25		
T3.A.0Q.011.3.0	T3.0Q.011.R	03/07/2002	CRATER GRID	0.00	0.25		
T3.A.0Z.005.1.0	T3.0Z.005.R	03/06/2002	CRATER GRID	0.75	1.00		
T3.A.0Z.005.2.0	T3.0Z.005.R	03/07/2002	CRATER GRID	0.75	1.00		
T3.A.0Z.005.3.0	T3.0Z.005.R	03/07/2002	CRATER GRID	0.75	1.00		
T4.A.0O.012.1.0	T4.0O.012.R	03/21/2002	CRATER GRID	4.00	4.25		
T4.A.0O.012.2.0	T4.0O.012.R	03/21/2002	CRATER GRID	4.00	4.25		
T4.A.0O.012.3.0	T4.0O.012.R	03/21/2002	CRATER GRID	4.00	4.25		
T4.A.0P.009.1.0	T4.0P.009.R	03/06/2002	CRATER GRID	0.50	0.75		
T4.A.0P.009.2.0	T4.0P.009.R	03/07/2002	CRATER GRID	0.50	0.75		
T4.A.0P.009.3.0	T4.0P.009.R	03/07/2002	CRATER GRID	0.50	0.75		

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
3/1/2002 - 3/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
T4.A.0Z.008.1.0	T4.0Z.008.R	03/06/2002	CRATER GRID	0.50	0.75		
T4.A.0Z.008.2.0	T4.0Z.008.R	03/07/2002	CRATER GRID	0.50	0.75		
T4.A.0Z.008.3.0	T4.0Z.008.R	03/07/2002	CRATER GRID	0.50	0.75		
4261020-01GT	FIELDQC	03/06/2002	FIELDQC	0.00	0.00		
97-2DE	FIELDQC	03/29/2002	FIELDQC	0.00	0.00		
97-2EE	FIELDQC	03/02/2002	FIELDQC	0.00	0.00		
97-5E	FIELDQC	03/12/2002	FIELDQC	0.00	0.00		
97-5E	FIELDQC	03/26/2002	FIELDQC	0.00	0.00		
97-5E	FIELDQC	03/28/2002	FIELDQC	0.00	0.00		
G02-01DAT	FIELDQC	03/05/2002	FIELDQC	0.00	0.00		
G02-01DBE	FIELDQC	03/06/2002	FIELDQC	0.00	0.00		
G02-01DDE	FIELDQC	03/07/2002	FIELDQC	0.00	0.00		
G02-01DDE	FIELDQC	03/12/2002	FIELDQC	0.00	0.00		
G02-01DDT	FIELDQC	03/07/2002	FIELDQC	0.00	0.00		
G02-01DFE	FIELDQC	03/08/2002	FIELDQC	0.00	0.00		
G02-01DFT	FIELDQC	03/08/2002	FIELDQC	0.00	0.00		
G02-02DDE	FIELDQC	03/11/2002	FIELDQC	0.00	0.00		
G02-02DDF	FIELDQC	03/11/2002	FIELDQC	0.00	0.00		
G02-02DDT	FIELDQC	03/11/2002	FIELDQC	0.00	0.00		
G02-02DGE	FIELDQC	03/12/2002	FIELDQC	0.00	0.00		
G02-02DGT	FIELDQC	03/12/2002	FIELDQC	0.00	0.00		
G02-02DKE	FIELDQC	03/21/2002	FIELDQC	0.00	0.00		
G02-03DBE	FIELDQC	03/19/2002	FIELDQC	0.00	0.00		
G02-03DDE	FIELDQC	03/20/2002	FIELDQC	0.00	0.00		
G02-03DET	FIELDQC	03/20/2002	FIELDQC	0.00	0.00		
G02-03DKE	FIELDQC	03/21/2002	FIELDQC	0.00	0.00		
G02-03DKF	FIELDQC	03/21/2002	FIELDQC	0.00	0.00		
G02-05DJE	FIELDQC	03/22/2002	FIELDQC	0.00	0.00		
G02-05DKE	FIELDQC	03/25/2002	FIELDQC	0.00	0.00		
G02-05DKT	FIELDQC	03/25/2002	FIELDQC	0.00	0.00		
G02-09DCE	FIELDQC	03/27/2002	FIELDQC	0.00	0.00		
G02-09DCT	FIELDQC	03/27/2002	FIELDQC	0.00	0.00		
G02-09DJT	FIELDQC	03/28/2002	FIELDQC	0.00	0.00		
G02-09DLE	FIELDQC	03/29/2002	FIELDQC	0.00	0.00		
G02-12DEE	FIELDQC	03/26/2002	FIELDQC	0.00	0.00		
G02-13DBE	FIELDQC	03/29/2002	FIELDQC	0.00	0.00		
G02-13DBT	FIELDQC	03/29/2002	FIELDQC	0.00	0.00		
G206DME	FIELDQC	03/04/2002	FIELDQC	0.00	0.00		
G206DRE	FIELDQC	03/05/2002	FIELDQC	0.00	0.00		
G208DTE	FIELDQC	03/01/2002	FIELDQC	0.00	0.00		
HC12AD1AAE	FIELDQC	03/19/2002	FIELDQC	0.00	0.00		
HC12AD1CAT	FIELDQC	03/19/2002	FIELDQC	0.00	0.00		
HC12AN1CAE	FIELDQC	03/26/2002	FIELDQC	0.00	0.00		
HC12AP1BAE	FIELDQC	03/27/2002	FIELDQC	0.00	0.00		
HC12AQ1AAE	FIELDQC	03/25/2002	FIELDQC	0.00	0.00		
HC12XX1AAT	FIELDQC	03/18/2002	FIELDQC	0.00	0.00		
HC12YY1AAE	FIELDQC	03/18/2002	FIELDQC	0.00	0.00		
HC157A1AAE	FIELDQC	03/28/2002	FIELDQC	0.00	0.00		
HC158A1CAE	FIELDQC	03/29/2002	FIELDQC	0.00	0.00		

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SAMPLING PROGRESS
3/1/2002 - 3/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC45Q1AAE	FIELDQC	03/14/2002	FIELDQC	0.00	0.00		
HD154B1AAE	FIELDQC	03/20/2002	FIELDQC	0.00	0.00		
HD45H1CAE	FIELDQC	03/13/2002	FIELDQC	0.00	0.00		
HD45O1BAE	FIELDQC	03/12/2002	FIELDQC	0.00	0.00		
HD45O1BAE	FIELDQC	03/15/2002	FIELDQC	0.00	0.00		
HD45O1BAE	FIELDQC	03/21/2002	FIELDQC	0.00	0.00		
HD45O1BAT	FIELDQC	03/21/2002	FIELDQC	0.00	0.00		
HDA02270201AE	FIELDQC	03/08/2002	FIELDQC	0.00	0.00		
M-6BAE	FIELDQC	03/07/2002	FIELDQC	0.00	0.00		
M-6DAE	FIELDQC	03/02/2002	FIELDQC	0.00	0.00		
M-6DAE	FIELDQC	03/03/2002	FIELDQC	0.00	0.00		
SC20301E	FIELDQC	03/11/2002	FIELDQC	0.00	0.00		
TW00-1DAE	FIELDQC	03/04/2002	FIELDQC	0.00	0.00		
TW00-4DAE	FIELDQC	03/01/2002	FIELDQC	0.00	0.00		
TW01-1E	FIELDQC	03/22/2002	FIELDQC	0.00	0.00		
TW01-2E	FIELDQC	03/25/2002	FIELDQC	0.00	0.00		
W198M1E	FIELDQC	03/14/2002	FIELDQC	0.00	0.00		
W198M1T	FIELDQC	03/14/2002	FIELDQC	0.00	0.00		
WS102U1AAA	102U	03/28/2002	GAUZE WIPE				
WS102VK1AAA	102VK	03/26/2002	GAUZE WIPE				
WS102VK2AAA	102VK	03/26/2002	GAUZE WIPE				
WS102VK3AAA	102VK	03/26/2002	GAUZE WIPE				
WS102VL1AAA	102VL	03/26/2002	GAUZE WIPE				
4036000-01G	4036000-01G	03/13/2002	GROUNDWATER				
4036000-01G	4036000-01G	03/20/2002	GROUNDWATER				
4036000-01G	4036000-01G	03/27/2002	GROUNDWATER				
4036000-03G	4036000-03G	03/13/2002	GROUNDWATER				
4036000-03G	4036000-03G	03/20/2002	GROUNDWATER				
4036000-03G	4036000-03G	03/27/2002	GROUNDWATER				
4036000-04G	4036000-04G	03/13/2002	GROUNDWATER				
4036000-04G	4036000-04G	03/19/2002	GROUNDWATER				
4036000-04G	4036000-04G	03/27/2002	GROUNDWATER				
4036000-06G	4036000-06G	03/13/2002	GROUNDWATER				
4036000-06G	4036000-06G	03/20/2002	GROUNDWATER				
4036000-06G	4036000-06G	03/27/2002	GROUNDWATER				
4261020-01G	4261020-01G	03/06/2002	GROUNDWATER				
97-1	97-1	03/12/2002	GROUNDWATER	83.00	93.00	92.00	72.00
97-1	97-1	03/26/2002	GROUNDWATER	83.00	93.00	62.00	72.00
97-2	97-2	03/12/2002	GROUNDWATER	75.00	85.00	53.00	63.00
97-2	97-2	03/26/2002	GROUNDWATER	53.00	63.00	53.00	63.00
97-2DA	97-2D	03/29/2002	GROUNDWATER		115.40		82.90
97-2DA	97-2D	03/29/2002	GROUNDWATER		115.40		82.90
97-2EA	97-2E	03/02/2002	GROUNDWATER		97.60		64.50
97-2EA	97-2E	03/29/2002	GROUNDWATER				
97-2EA	97-2E	03/29/2002	GROUNDWATER				
97-3	97-3	03/12/2002	GROUNDWATER	75.00	85.00	36.00	46.00
97-3	97-3	03/27/2002	GROUNDWATER	75.00	85.00	36.00	46.00
97-3D	97-3	03/27/2002	GROUNDWATER	75.00	85.00	34.10	44.10
97-5	97-5	03/12/2002	GROUNDWATER	84.00	94.00	76.00	86.00

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3/1/2002 - 3/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
97-5	97-5	03/26/2002	GROUNDWATER	84.00	94.00	76.00	86.00
M-6BAA	M-6	03/07/2002	GROUNDWATER	44.00	84.00	0.00	31.70
M-6CAA	M-6	03/07/2002	GROUNDWATER	44.00	84.00	0.00	31.70
M-6DAA	M-6	03/03/2002	GROUNDWATER	44.00	84.00	0.00	10.00
MW00-4A	00-4	03/01/2002	GROUNDWATER	64.00	70.00	38.00	44.00
OW00-1DA	00-1D	03/04/2002	GROUNDWATER	91.00	97.00	48.30	54.30
PHUSGSDP0008A	PHUSGSDP0008A	03/19/2002	GROUNDWATER				
PHUSGSDP0009A	PHUSGSDP0009A	03/19/2002	GROUNDWATER				
PHUSGSDP0010A	PHUSGSDP0010A	03/19/2002	GROUNDWATER				
PHUSGSDP0011A	PHUSGSDP0011A	03/19/2002	GROUNDWATER				
PHUSGSDP0012A	PHUSGSDP0012A	03/19/2002	GROUNDWATER				
PHUSGSDP0013A	PHUSGSDP0013A	03/19/2002	GROUNDWATER				
PHUSGSDP0014A	PHUSGSDP0014A	03/19/2002	GROUNDWATER				
PHUSGSDP0015A	PHUSGSDP0015A	03/19/2002	GROUNDWATER				
PHUSGSDP0016A	PHUSGSDP0016A	03/19/2002	GROUNDWATER				
PHUSGSDP0017A	PHUSGSDP0017A	03/19/2002	GROUNDWATER				
PHUSGSDP0018A	PHUSGSDP0018A	03/19/2002	GROUNDWATER				
PHUSGSDP0019A	PHUSGSDP0019A	03/19/2002	GROUNDWATER				
PHUSGSDP0020A	PHUSGSDP0020A	03/19/2002	GROUNDWATER				
PHUSGSDP0021A	PHUSGSDP0021A	03/19/2002	GROUNDWATER				
SANDHATCH1-A	SANDHATCH1-A	03/06/2002	GROUNDWATER				
SANDHATCH1-B	SANDHATCH1-B	03/06/2002	GROUNDWATER				
SANDHATCH1-C	SANDHATCH1-C	03/06/2002	GROUNDWATER				
SANDHATCH1-D	SANDHATCH1-D	03/06/2002	GROUNDWATER				
SANDHATCH1-EA	SANDHATCH1-E	03/29/2002	GROUNDWATER				
SANDHATCH1-ED	SANDHATCH1-E	03/29/2002	GROUNDWATER				
SPRING1A	SPRING1	03/02/2002	GROUNDWATER				
TW00-1DA	00-1D	03/04/2002	GROUNDWATER	100.00	110.00	56.10	66.10
TW00-4DAA	00-4	03/01/2002	GROUNDWATER	72.00	90.00	42.00	60.00
TW00-5A	00-5	03/02/2002	GROUNDWATER	50.00	56.00	15.50	21.50
TW00-5D	00-5	03/02/2002	GROUNDWATER	50.00	56.00	15.50	21.50
TW00-6A	00-6	03/03/2002	GROUNDWATER		33.00		6.60
TW00-7A	00-7	03/02/2002	GROUNDWATER	57.00	63.00	25.50	31.50
TW00-7D	00-7	03/02/2002	GROUNDWATER	57.00	63.00	25.50	31.50
TW01-1A	01-1	03/22/2002	GROUNDWATER		54.00		47.00
TW01-2A	01-2	03/25/2002	GROUNDWATER		47.00		21.20
TW01-2D	01-2	03/25/2002	GROUNDWATER		47.00		21.20
TW1-88AA	1-88	03/21/2002	GROUNDWATER		102.90		67.40
TW1-88BA	1-88	03/20/2002	GROUNDWATER		105.50		69.60
W126M1A	MW-126	03/19/2002	GROUNDWATER	118.00	128.00	19.00	29.00
W126SSA	MW-126	03/19/2002	GROUNDWATER	99.00	109.00	0.00	10.00
W163SSA	MW-163	03/07/2002	GROUNDWATER	38.00	48.00	0.00	10.00
W173M1A	MW-173	03/15/2002	GROUNDWATER	243.00	253.00	72.20	82.20
W173M2A	MW-173	03/13/2002	GROUNDWATER	243.00	253.00	72.20	82.20
W173M3A	MW-173	03/12/2002	GROUNDWATER	243.00	253.00	72.20	82.20
W176M1A	MW-176	03/08/2002	GROUNDWATER	270.00	280.00	158.55	168.55
W176M2A	MW-176	03/08/2002	GROUNDWATER	229.00	239.00	117.60	127.60
W178M1A	MW-178	03/08/2002	GROUNDWATER	257.00	267.00	117.00	127.00
W178M2A	MW-178	03/08/2002	GROUNDWATER	167.00	177.00	27.00	37.00

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W181SSA	MW-181	03/08/2002	GROUNDWATER	32.25	42.25	0.00	10.00
W182M2A	MW-182	03/07/2002	GROUNDWATER	273.00	283.00	102.89	112.89
W182M2A	MW-182	03/11/2002	GROUNDWATER	273.00	283.00	101.50	111.50
W198M1A	MW-198	03/14/2002	GROUNDWATER	150.00	155.00	127.80	132.80
W201M1A	MW-201	03/14/2002	GROUNDWATER	306.00	316.00	108.10	118.10
W201M2A	MW-201	03/13/2002	GROUNDWATER	286.00	296.00	88.20	98.20
W201M3A	MW-201	03/07/2002	GROUNDWATER	226.00	276.00	28.20	78.20
W201M3D	MW-201	03/07/2002	GROUNDWATER	266.00	276.00	28.20	78.20
W202M1A	MW-202	03/07/2002	GROUNDWATER	264.00	274.00	117.70	127.70
W202M2A	MW-202	03/08/2002	GROUNDWATER	215.00	225.00	68.60	78.60
W203M1A	MW-203	03/19/2002	GROUNDWATER	166.00	176.00	17.50	27.50
W23M1A	MW-23	03/14/2002	GROUNDWATER	225.00	235.00	103.00	113.00
W36M3A	MW-36	03/14/2002	GROUNDWATER	175.00	185.00	35.00	45.00
W39M1A	MW-39	03/14/2002	GROUNDWATER	220.00	230.00	84.00	94.00
W39M2A	MW-39	03/14/2002	GROUNDWATER	175.00	185.00	39.00	49.00
W39M2D	MW-39	03/14/2002	GROUNDWATER	175.00	185.00	39.00	49.00
W43M2A	MW-43	03/14/2002	GROUNDWATER	200.00	210.00	67.00	77.00
W50M1A	MW-50	03/15/2002	GROUNDWATER	207.00	217.00	89.00	99.00
W50M1D	MW-50	03/15/2002	GROUNDWATER	207.00	217.00	89.00	99.00
W70SSA	MW-70	03/18/2002	GROUNDWATER	132.00	142.00	4.00	14.00
W71M1A	MW-71	03/18/2002	GROUNDWATER	180.00	190.00	22.00	32.00
W71SSA	MW-71	03/18/2002	GROUNDWATER	158.00	168.00	0.00	10.00
W80M2A	MW-80	03/27/2002	GROUNDWATER	100.00	110.00	56.00	66.00
W80M2A	MW-80	03/28/2002	GROUNDWATER	100.00	110.00	56.00	66.00
W80M3A	MW-80	03/27/2002	GROUNDWATER	70.00	80.00	26.00	36.00
W80SSA	MW-80	03/27/2002	GROUNDWATER	43.00	53.00	0.00	10.00
W80SSA	MW-80	03/28/2002	GROUNDWATER	43.00	53.00	0.00	10.00
W81DDA	MW-81	03/01/2002	GROUNDWATER	184.00	194.00	156.00	166.00
W81DDA	MW-81	03/28/2002	GROUNDWATER	184.00	194.00	156.00	166.00
W81M1A	MW-81	03/27/2002	GROUNDWATER	128.00	138.00	100.00	110.00
W81M2A	MW-81	03/01/2002	GROUNDWATER	83.00	93.00	55.00	65.00
W81M2A	MW-81	03/28/2002	GROUNDWATER	83.00	93.00	55.00	65.00
W81M3A	MW-81	03/01/2002	GROUNDWATER	53.00	58.00	25.00	30.00
W81M3A	MW-81	03/28/2002	GROUNDWATER	53.00	58.00	25.00	30.00
W81SSA	MW-80	03/28/2002	GROUNDWATER	25.00	35.00	0.00	10.00
W81SSA	MW-81	03/01/2002	GROUNDWATER	25.00	35.00	0.00	10.00
W82DDA	MW-82	03/05/2002	GROUNDWATER	125.00	135.00	97.00	107.00
W82M1A	MW-82	03/04/2002	GROUNDWATER	104.00	114.00	76.00	86.00
W82M2A	MW-82	03/05/2002	GROUNDWATER	78.00	88.00	50.00	60.00
W82M3A	MW-82	03/05/2002	GROUNDWATER	54.00	64.00	26.00	36.00
W82M3D	MW-82	03/05/2002	GROUNDWATER	54.00	64.00	26.00	36.00
W82SSA	MW-82	03/05/2002	GROUNDWATER	25.00	35.00	0.00	10.00
WS-4ADA	WS-4A	03/06/2002	GROUNDWATER	218.00	228.00	148.50	158.50
WS-4ASA	WS-4A	03/06/2002	GROUNDWATER	155.00	165.00	85.50	95.50
DW030102	GAC WATER	03/01/2002	IDW	0.00	0.00		
DW031102	GAC WATER	03/12/2002	IDW	0.00	0.00		
DW031202	GAC WATER	03/12/2002	IDW	0.00	0.00		
DW031802	GAC WATER	03/18/2002	IDW	0.00	0.00		
DW032202	GAC WATER	03/22/2002	IDW	0.00	0.00		

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DW032902	GAC WATER	03/28/2002	IDW	0.00	0.00		
SC20301	SOIL CUTTINGS	03/11/2002	IDW	0.00	0.00		
SC20601	SOIL CUTTINGS	03/11/2002	IDW	0.00	0.00		
SC20701	SOIL CUTTINGS	03/11/2002	IDW	0.00	0.00		
SC20801	SOIL CUTTINGS	03/11/2002	IDW	0.00	0.00		
SC20801D	SOIL CUTTINGS	03/11/2002	IDW	0.00	0.00		
W199DDA	PESAMP	03/28/2002	PESAMP				
W199M1A	PESAMP	03/28/2002	PESAMP				
W199M2A	PESAMP	03/28/2002	PESAMP				
W199M3A	PESAMP	03/28/2002	PESAMP				
W199SSA	PESAMP	03/28/2002	PESAMP				
FS12TSEF	FS12TSEF	03/05/2002	PROCESS WATER				
FS12TSIN	FS12TSIN	03/05/2002	PROCESS WATER				
G02-01DAA	G02-01	03/05/2002	PROFILE	55.00	60.00	0.20	4.80
G02-01DBA	G02-01	03/06/2002	PROFILE	65.00	70.00	9.80	14.80
G02-01DDA	G02-01	03/07/2002	PROFILE	85.00	90.00	29.80	34.80
G02-01DEA	G02-01	03/08/2002	PROFILE	95.00	100.00	39.80	44.80
G02-01DEA	G02-01	03/08/2002	PROFILE	95.00	400.00	39.80	44.80
G02-01DFA	G02-01	03/08/2002	PROFILE	105.00	110.00	49.80	54.80
G02-02DAA	G02-02	03/11/2002	PROFILE	55.00	60.00	3.50	8.50
G02-02DBA	G02-02	03/11/2002	PROFILE	65.00	70.00	13.50	18.50
G02-02DCA	G02-02	03/11/2002	PROFILE	75.00	80.00	23.50	28.50
G02-02DDA	G02-02	03/11/2002	PROFILE	85.00	90.00	33.50	38.50
G02-02DEA	G02-02	03/12/2002	PROFILE	95.00	100.00	43.50	48.50
G02-02DFA	G02-02	03/12/2002	PROFILE	105.00	110.00	53.50	58.50
G02-02DGA	G02-02	03/12/2002	PROFILE	115.00	120.00	63.50	68.50
G02-02DHA	G02-02	03/12/2002	PROFILE	120.00	125.00	68.50	73.50
G02-03DAA	G02-03	03/19/2002	PROFILE	42.00	45.00	0.00	3.00
G02-03DBA	G02-03	03/19/2002	PROFILE	50.00	50.00	8.00	8.00
G02-03DCA	G02-03	03/19/2002	PROFILE	60.00	60.00	18.00	18.00
G02-03DDA	G02-03	03/20/2002	PROFILE	70.00	70.00	28.00	28.00
G02-03DEA	G02-03	03/20/2002	PROFILE	80.00	80.00	38.00	38.00
G02-03DFA	G02-03	03/20/2002	PROFILE	90.00	90.00	48.00	48.00
G02-03DGA	G02-03	03/20/2002	PROFILE	100.00	100.00	58.00	58.00
G02-03DHA	G02-03	03/20/2002	PROFILE	110.00	110.00	68.00	68.00
G02-03DIA	G02-03	03/20/2002	PROFILE	120.00	120.00	78.00	78.00
G02-03DJA	G02-03	03/20/2002	PROFILE	13.00	130.00	88.00	88.00
G02-03DJA	G02-03	03/20/2002	PROFILE	130.00	130.00	88.00	88.00
G02-03DKA	G02-03	03/21/2002	PROFILE	138.50	138.50	98.00	98.00
G02-03DKA	G02-03	03/21/2002	PROFILE	140.00	140.00	98.00	98.00
G02-05DAA	G02-05	03/22/2002	PROFILE	35.00	35.00	7.00	7.00
G02-05DBA	G02-05	03/22/2002	PROFILE	40.00	40.00	12.00	12.00
G02-05DCA	G02-05	03/22/2002	PROFILE	50.00	50.00	22.00	22.00
G02-05DDA	G02-05	03/22/2002	PROFILE	60.00	60.00	32.00	32.00
G02-05DEA	G02-05	03/22/2002	PROFILE	70.00	70.00	42.00	42.00
G02-05DFA	G02-05	03/22/2002	PROFILE	80.00	80.00	52.00	52.00
G02-05DGA	G02-05	03/22/2002	PROFILE	90.00	90.00	62.00	62.00
G02-05DHA	G02-05	03/22/2002	PROFILE	100.00	100.00	72.00	72.00
G02-05DIA	G02-05	03/22/2002	PROFILE	110.00	110.00	82.00	82.00

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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
3/1/2002 - 3/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G02-05DJA	G02-05	03/22/2002	PROFILE	120.00	120.00	92.00	92.00
G02-05DKA	G02-05	03/25/2002	PROFILE	130.00	130.00	102.00	102.00
G02-09DAA	02-09	03/26/2002	PROFILE	12.00	12.00	2.90	2.90
G02-09DBA	02-09	03/27/2002	PROFILE	20.00	20.00	10.90	10.90
G02-09DCA	02-09	03/27/2002	PROFILE	30.00	30.00	20.90	20.90
G02-09DDA	02-09	03/27/2002	PROFILE	40.00	40.00	30.90	30.90
G02-09DEA	02-09	03/27/2002	PROFILE	50.00	50.00	40.90	40.90
G02-09DFA	02-09	03/27/2002	PROFILE	60.00	60.00	50.90	50.90
G02-09DGA	02-09	03/27/2002	PROFILE	70.00	70.00	60.90	60.90
G02-09DHA	02-09	03/27/2002	PROFILE	80.00	80.00	70.90	70.90
G02-09DHD	02-09	03/27/2002	PROFILE	80.00	80.00	70.90	70.90
G02-09DIA	02-09	03/27/2002	PROFILE	90.00	90.00	80.90	80.90
G02-09DJA	02-09	03/28/2002	PROFILE	100.00	100.00	90.90	90.90
G02-09DKA	02-09	03/28/2002	PROFILE	110.00	110.00	101.90	101.90
G02-09DLA	02-09	03/28/2002	PROFILE	120.00	120.00	110.90	110.90
G02-09DMA	02-09	03/28/2002	PROFILE	130.00	130.00	120.90	120.90
G02-09DNA	02-09	03/28/2002	PROFILE	140.00	140.00	130.90	130.90
G02-09DOA	02-09	03/29/2002	PROFILE	150.00	150.00	140.90	140.90
G02-12DAA	02-12	03/25/2002	PROFILE	51.00	53.00	2.00	4.00
G02-12DAA	02-12	03/26/2002	PROFILE	51.00	53.00	2.00	4.00
G02-12DBA	02-12	03/25/2002	PROFILE	60.00	60.00	11.00	11.00
G02-12DBA	02-12	03/26/2002	PROFILE	60.00	60.00	11.00	11.00
G02-12DCA	02-12	03/25/2002	PROFILE	70.00	70.00	21.00	21.00
G02-12DCA	02-12	03/26/2002	PROFILE	70.00	70.00	21.00	21.00
G02-12DDA	02-12	03/26/2002	PROFILE	80.00	80.00	31.00	31.00
G02-12DEA	02-12	03/26/2002	PROFILE	90.00	90.00	41.00	41.00
G02-12DFA	02-12	03/26/2002	PROFILE	100.00	100.00	51.00	51.00
G02-12DGA	02-12	03/26/2002	PROFILE	110.00	110.00	61.00	61.00
G02-12DHA	02-12	03/26/2002	PROFILE	12.00	120.00	71.00	71.00
G02-12DHA	02-12	03/26/2002	PROFILE	120.00	120.00	71.00	71.00
G02-12DIA	02-12	03/26/2002	PROFILE	130.00	130.00	81.00	81.00
G02-12DJA	02-12	03/26/2002	PROFILE	140.00	140.00	91.00	91.00
G02-12DKA	02-12	03/26/2002	PROFILE	150.00	150.00	101.00	101.00
G02-13DAA	02-13	03/29/2002	PROFILE	44.00	46.00	6.20	8.20
G02-13DBA	02-13	03/29/2002	PROFILE	50.00	50.00	12.20	12.20
G206DCA	MW-206	03/01/2002	PROFILE	180.00	180.00	21.50	21.50
G206DDA	MW-206	03/01/2002	PROFILE	190.00	190.00	31.50	31.50
G206DEA	MW-206	03/01/2002	PROFILE	200.00	200.00	41.50	41.50
G206DFA	MW-206	03/01/2002	PROFILE	210.00	210.00	51.50	51.50
G206DGA	MW-206	03/04/2002	PROFILE	220.00	220.00	61.50	61.50
G206DHA	MW-206	03/04/2002	PROFILE	230.00	230.00	71.50	71.50
G206DIA	MW-206	03/04/2002	PROFILE	240.00	240.00	81.50	81.50
G206DJA	MW-206	03/04/2002	PROFILE	250.00	250.00	91.50	91.50
G206DKA	MW-206	03/04/2002	PROFILE	260.00	260.00	101.50	101.50
G206DKD	MW-206	03/04/2002	PROFILE	260.00	260.00	101.50	101.50
G206DLA	MW-206	03/04/2002	PROFILE	270.00	270.00	111.50	111.50
G206DMA	MW-206	03/04/2002	PROFILE	280.00	280.00	121.50	121.50
G206DNA	MW-206	03/05/2002	PROFILE	290.00	290.00	131.50	131.50
G206DOA	MW-206	03/05/2002	PROFILE	300.00	300.00	141.50	141.50

Profiling methods include: Volatiles and Explosives
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TABLE 2
SAMPLING PROGRESS
3/1/2002 - 3/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G206DPA	MW-206	03/05/2002	PROFILE	310.00	310.00	151.50	151.50
G206DQA	MW-206	03/05/2002	PROFILE	320.00	320.00	161.50	161.50
G206DRA	MW-206	03/05/2002	PROFILE	325.00	325.00	166.50	166.50
G207DBA	MW-207	03/01/2002	PROFILE	160.00	160.00	16.00	16.00
G207DCA	MW-207	03/01/2002	PROFILE	170.00	170.00	26.00	26.00
G207DDA	MW-207	03/01/2002	PROFILE	180.00	180.00	36.00	36.00
G207DEA	MW-207	03/01/2002	PROFILE	190.00	190.00	46.00	46.00
G207DFA	MW-207	03/01/2002	PROFILE	200.00	200.00	56.00	56.00
G207DGA	MW-207	03/01/2002	PROFILE	210.00	210.00	66.00	66.00
G207DHA	MW-207	03/04/2002	PROFILE	220.00	220.00	76.00	76.00
G207DIA	MW-207	03/04/2002	PROFILE	230.00	230.00	86.00	86.00
G207DID	MW-207	03/04/2002	PROFILE	230.00	230.00	86.00	86.00
G207DJA	MW-207	03/04/2002	PROFILE	240.00	240.00	96.00	96.00
G207DKA	MW-207	03/04/2002	PROFILE	250.00	250.00	106.00	106.00
G207DLA	MW-207	03/04/2002	PROFILE	260.00	260.00	116.00	116.00
G207DMA	MW-207	03/04/2002	PROFILE	270.00	270.00	126.00	126.00
G207DNA	MW-207	03/05/2002	PROFILE	280.00	280.00	136.00	136.00
G207DPA	MW-207	03/05/2002	PROFILE	300.00	300.00	156.00	156.00
G207DPD	MW-207	03/05/2002	PROFILE	300.00	300.00	156.00	156.00
G207DQA	MW-207	03/05/2002	PROFILE	310.00	310.00	166.00	166.00
G207DRA	MW-207	03/05/2002	PROFILE	320.00	320.00	176.00	176.00
G207DSA	MW-207	03/05/2002	PROFILE	330.00	330.00	186.00	186.00
G208DPA	MW-208	03/01/2002	PROFILE	300.00	300.00	161.90	161.90
G208DQA	MW-208	03/01/2002	PROFILE	310.00	310.00	171.90	171.90
G208DRA	MW-208	03/01/2002	PROFILE	320.00	320.00	181.90	181.90
G208DSA	MW-208	03/01/2002	PROFILE	330.00	330.00	191.90	191.90
G208DTA	MW-208	03/01/2002	PROFILE	339.00	339.00	200.90	200.90
G209DAA	MW-209	03/11/2002	PROFILE	140.00	140.00	22.00	22.00
G209DBA	MW-209	03/11/2002	PROFILE	150.00	150.00	32.00	32.00
G209DCA	MW-209	03/11/2002	PROFILE	160.00	160.00	42.00	42.00
G209DDA	MW-209	03/11/2002	PROFILE	170.00	170.00	52.00	52.00
G209DEA	MW-209	03/11/2002	PROFILE	180.00	180.00	62.00	62.00
G209DFA	MW-209	03/11/2002	PROFILE	190.00	190.00	72.00	72.00
G209DGA	MW-209	03/12/2002	PROFILE	200.00	200.00	82.00	82.00
G209DHA	MW-209	03/12/2002	PROFILE	210.00	210.00	92.00	92.00
G209DIA	MW-209	03/12/2002	PROFILE	220.00	220.00	102.00	102.00
G209DJA	MW-209	03/12/2002	PROFILE	230.00	230.00	112.00	112.00
G209DKA	MW-209	03/12/2002	PROFILE	240.00	240.00	122.00	122.00
G209DLA	MW-209	03/12/2002	PROFILE	250.00	250.00	132.00	132.00
G209DMA	MW-209	03/12/2002	PROFILE	260.00	260.00	142.00	142.00
G209DNA	MW-209	03/12/2002	PROFILE	270.00	270.00	152.00	152.00
G209DOA	MW-209	03/12/2002	PROFILE	280.00	280.00	162.00	162.00
G209DPA	MW-209	03/12/2002	PROFILE	290.00	290.00	172.00	172.00
G209DQA	MW-209	03/12/2002	PROFILE	300.00	300.00	182.00	182.00
G209DRA	MW-209	03/12/2002	PROFILE	310.00	310.00	192.00	192.00
G209DSA	MW-209	03/13/2002	PROFILE	320.00	320.00	202.00	202.00
G209DTA	MW-209	03/13/2002	PROFILE	329.00	329.00	211.00	211.00
G210DAA	MW-210	03/21/2002	PROFILE	110.00	110.00	9.00	9.00
G210DBA	MW-210	03/21/2002	PROFILE	120.00	120.00	19.00	19.00

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TABLE 2
SAMPLING PROGRESS
3/1/2002 - 3/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G210DCA	MW-210	03/21/2002	PROFILE	130.00	130.00	29.00	29.00
G210DDA	MW-210	03/22/2002	PROFILE	140.00	140.00	39.00	39.00
G210DEA	MW-210	03/22/2002	PROFILE	150.00	150.00	49.00	49.00
G210DFA	MW-210	03/22/2002	PROFILE	160.00	160.00	59.00	59.00
G210DGA	MW-210	03/22/2002	PROFILE	170.00	170.00	69.00	69.00
G210DHA	MW-210	03/22/2002	PROFILE	180.00	180.00	79.00	79.00
G210DIA	MW-210	03/22/2002	PROFILE	190.00	190.00	89.00	89.00
G210DJA	MW-210	03/22/2002	PROFILE	200.00	200.00	99.00	99.00
G210DKA	MW-210	03/22/2002	PROFILE	210.00	210.00	109.00	109.00
G210DLA	MW-210	03/25/2002	PROFILE	220.00	220.00	119.00	119.00
G210DMA	MW-210	03/25/2002	PROFILE	230.00	230.00	129.00	129.00
G210DNA	MW-210	03/25/2002	PROFILE	240.00	240.00	139.00	139.00
G210DOA	MW-210	03/25/2002	PROFILE	250.00	250.00	149.00	149.00
G210DPA	MW-210	03/25/2002	PROFILE	260.00	260.00	159.00	159.00
G210DQA	MW-210	03/25/2002	PROFILE	270.00	270.00	169.00	169.00
G210DRA	MW-210	03/25/2002	PROFILE	280.00	280.00	179.00	179.00
G210DSA	MW-210	03/25/2002	PROFILE	290.00	290.00	189.00	189.00
G210DTA	MW-210	03/25/2002	PROFILE	300.00	300.00	199.00	199.00
G210DUA	MW-210	03/25/2002	PROFILE	310.00	310.00	209.00	209.00
HC12AB1AAA	12AB	03/18/2002	SOIL GRID	0.00	0.25		
HC12AB1BAA	12AB	03/18/2002	SOIL GRID	0.25	0.50		
HC12AB1CAA	12AB	03/18/2002	SOIL GRID	0.50	1.00		
HC12AC1AAA	12AC	03/19/2002	SOIL GRID	0.00	0.25		
HC12AC1BAA	12AC	03/19/2002	SOIL GRID	0.25	0.50		
HC12AC1CAA	12AC	03/19/2002	SOIL GRID	0.50	1.00		
HC12AD1AAA	12AD	03/19/2002	SOIL GRID	0.00	0.25		
HC12AD1BAA	12AD	03/19/2002	SOIL GRID	0.25	0.50		
HC12AD1CAA	12AD	03/19/2002	SOIL GRID	0.50	1.00		
HC12AE1AAA	12AE	03/19/2002	SOIL GRID	0.00	0.50		
HC12AE1BAA	12AE	03/19/2002	SOIL GRID	1.50	2.00		
HC12AF1AAA	12AF	03/19/2002	SOIL GRID	0.00	0.25		
HC12AF1BAA	12AF	03/19/2002	SOIL GRID	0.25	0.50		
HC12AF1CAA	12AF	03/19/2002	SOIL GRID	0.50	1.00		
HC12AF1CAD	12AF	03/19/2002	SOIL GRID	0.50	1.00		
HC12AG1AAA	12AG	03/19/2002	SOIL GRID	0.00	0.25		
HC12AG1BAA	12AG	03/19/2002	SOIL GRID	0.25	0.50		
HC12AG1CAA	12AG	03/19/2002	SOIL GRID	0.50	1.00		
HC12AH1AAA	12AH	03/19/2002	SOIL GRID	0.00	0.25		
HC12AH1BAA	12AH	03/19/2002	SOIL GRID	0.25	0.50		
HC12AH1CAA	12AH	03/19/2002	SOIL GRID	0.50	1.00		
HC12AI1AAA	12AI	03/19/2002	SOIL GRID	0.00	0.25		
HC12AI1BAA	12AI	03/19/2002	SOIL GRID	0.25	0.50		
HC12AI1CAA	12AI	03/19/2002	SOIL GRID	0.50	1.00		
HC12AJ1AAA	12AJ	03/25/2002	SOIL GRID	0.00	0.25		
HC12AJ1BAA	12AJ	03/25/2002	SOIL GRID	0.25	0.50		
HC12AJ1CAA	12AJ	03/25/2002	SOIL GRID	0.50	1.00		
HC12AK1AAA	12AI	03/19/2002	SOIL GRID	0.00	0.50		
HC12AK1AAA	12AK	03/19/2002	SOIL GRID	0.00	0.50		
HC12AK1BAA	12AK	03/19/2002	SOIL GRID	1.50	2.00		

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TABLE 2
SAMPLING PROGRESS
3/1/2002 - 3/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC12AL1AAA	12AL	03/19/2002	SOIL GRID	0.00	0.50		
HC12AL1AAA	12AL	03/19/2002	SOIL GRID	1.50	2.00		
HC12AL1BAA	12AL	03/19/2002	SOIL GRID	0.00	0.50		
HC12AL1BAA	12AL	03/19/2002	SOIL GRID	1.50	2.00		
HC12AM1AAA	12AM	03/25/2002	SOIL GRID	0.00	0.25		
HC12AM1BAA	12AM	03/25/2002	SOIL GRID	0.25	0.50		
HC12AM1CAA	12AM	03/25/2002	SOIL GRID	0.50	1.00		
HC12AN1AAA	12AN	03/26/2002	SOIL GRID	0.00	0.25		
HC12AN1BAA	12AN	03/26/2002	SOIL GRID	0.25	0.50		
HC12AN1CAA	12AN	03/26/2002	SOIL GRID	0.50	1.00		
HC12AO1AAA	12AO	03/25/2002	SOIL GRID	0.00	0.25		
HC12AO1BAA	12AO	03/25/2002	SOIL GRID	0.25	0.50		
HC12AO1CAA	12AO	03/25/2002	SOIL GRID	0.50	1.00		
HC12AP1AAA	12AP	03/27/2002	SOIL GRID	0.00	0.25		
HC12AP1BAA	12AP	03/27/2002	SOIL GRID	0.25	0.50		
HC12AP1CAA	12AP	03/27/2002	SOIL GRID	0.50	1.00		
HC12AQ1AAA	12AQ	03/25/2002	SOIL GRID	0.00	0.25		
HC12AQ1BAA	12AQ	03/25/2002	SOIL GRID	0.25	0.50		
HC12AQ1CAA	12AQ	03/25/2002	SOIL GRID	0.50	1.00		
HC12AR1AAA	12AR	03/26/2002	SOIL GRID	0.00	0.25		
HC12AR1BAA	12AR	03/26/2002	SOIL GRID	0.25	0.50		
HC12AR1CAA	12AR	03/26/2002	SOIL GRID	0.50	1.00		
HC12AS1AAA	12AS	03/28/2002	SOIL GRID	0.00	0.25		
HC12AS1BAA	12AS	03/28/2002	SOIL GRID	0.25	0.50		
HC12AS1CAA	12AS	03/28/2002	SOIL GRID	0.50	1.00		
HC12AT1AAA	12AT	03/28/2002	SOIL GRID	0.00	0.25		
HC12AT1BAA	12AT	03/28/2002	SOIL GRID	0.25	0.50		
HC12AT1CAA	12AT	03/28/2002	SOIL GRID	0.50	1.00		
HC12AU1AAA	12AU	03/26/2002	SOIL GRID	0.00	0.25		
HC12AU1BAA	12AU	03/26/2002	SOIL GRID	0.25	0.50		
HC12AU1CAA	12AU	03/26/2002	SOIL GRID	0.50	1.00		
HC12AV1AAA	12AV	03/26/2002	SOIL GRID	0.00	0.25		
HC12AV1BAA	12AV	03/26/2002	SOIL GRID	0.25	0.50		
HC12AV1CAA	12AV	03/26/2002	SOIL GRID	0.50	1.00		
HC12XX1AAA	12XX	03/18/2002	SOIL GRID	0.00	0.25		
HC12XX1BAA	12XX	03/18/2002	SOIL GRID	0.25	0.50		
HC12XX1CAA	12XX	03/18/2002	SOIL GRID	0.50	1.00		
HC12YY1AAA	12YY	03/18/2002	SOIL GRID	0.00	0.25		
HC12YY1BAA	12YY	03/18/2002	SOIL GRID	0.25	0.50		
HC12YY1CAA	12YY	03/18/2002	SOIL GRID	0.50	1.00		
HC12ZZ1AAA	12ZZ	03/18/2002	SOIL GRID	0.00	0.25		
HC12ZZ1BAA	12ZZ	03/18/2002	SOIL GRID	0.25	0.50		
HC12ZZ1CAA	12ZZ	03/18/2002	SOIL GRID	0.50	1.00		
HC154A1AAA	154A	03/20/2002	SOIL GRID	0.00	0.25		
HC154A1BAA	154A	03/20/2002	SOIL GRID	0.25	0.50		
HC154A1CAA	154A	03/20/2002	SOIL GRID	0.50	1.00		
HC154B1AAA	154B	03/20/2002	SOIL GRID	0.00	0.25		
HC154B1BAA	154B	03/20/2002	SOIL GRID	0.25	0.50		
HC154B1CAA	154B	03/20/2002	SOIL GRID	0.50	1.00		

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SAMPLING PROGRESS
3/1/2002 - 3/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC154C1AAA	154C	03/20/2002	SOIL GRID	0.00	0.25		
HC154C1BAA	154C	03/20/2002	SOIL GRID	0.25	0.50		
HC154C1CAA	154C	03/20/2002	SOIL GRID	0.50	1.00		
HC154D1AAA	154D	03/20/2002	SOIL GRID	0.00	0.25		
HC154D1BAA	154D	03/20/2002	SOIL GRID	0.25	0.50		
HC154D1CAA	154D	03/20/2002	SOIL GRID	0.50	1.00		
HC154E1AAA	154E	03/20/2002	SOIL GRID	0.00	0.25		
HC154E1BAA	154E	03/20/2002	SOIL GRID	0.25	0.50		
HC154E1CAA	154E	03/20/2002	SOIL GRID	0.50	1.00		
HC155A1AAA	155A	03/20/2002	SOIL GRID	0.00	0.25		
HC155A1BAA	155A	03/20/2002	SOIL GRID	0.25	0.50		
HC155A1CAA	155A	03/20/2002	SOIL GRID	0.50	1.00		
HC155B1AAA	155B	03/20/2002	SOIL GRID	0.00	0.25		
HC155B1BAA	155B	03/20/2002	SOIL GRID	0.25	0.50		
HC155B1CAA	155B	03/20/2002	SOIL GRID	0.50	1.00		
HC155C1AAA	155C	03/20/2002	SOIL GRID	0.00	0.25		
HC155C1BAA	155C	03/20/2002	SOIL GRID	0.25	0.50		
HC155C1CAA	155C	03/20/2002	SOIL GRID	0.50	1.00		
HC155D1AAA	155D	03/20/2002	SOIL GRID	0.00	0.25		
HC155D1BAA	155D	03/20/2002	SOIL GRID	0.25	0.50		
HC155D1CAA	155D	03/20/2002	SOIL GRID	0.50	1.00		
HC155E1AAA	155D	03/21/2002	SOIL GRID	0.00	0.25		
HC155E1BAA	155D	03/21/2002	SOIL GRID	0.25	0.50		
HC155E1CAA	155D	03/21/2002	SOIL GRID	0.50	1.00		
HC156A1AAA	156A1	03/21/2002	SOIL GRID	0.00	0.25		
HC156A1BAA	156A1	03/21/2002	SOIL GRID	0.25	0.50		
HC156A1CAA	156A1	03/21/2002	SOIL GRID	0.50	1.00		
HC156B1AAA	156B1	03/21/2002	SOIL GRID	0.00	0.25		
HC156B1BAA	156B1	03/21/2002	SOIL GRID	0.25	0.50		
HC156B1CAA	156B1	03/21/2002	SOIL GRID	0.50	1.00		
HC156C1AAA	156C1	03/21/2002	SOIL GRID	0.00	0.25		
HC156C1BAA	156C1	03/21/2002	SOIL GRID	0.25	0.50		
HC156C1CAA	156C1	03/21/2002	SOIL GRID	0.50	1.00		
HC156D1AAA	156D1	03/22/2002	SOIL GRID	0.00	0.25		
HC156D1BAA	156D1	03/22/2002	SOIL GRID	0.25	0.50		
HC156D1CAA	156D1	03/22/2002	SOIL GRID	0.50	1.00		
HC156E1AAA	156E1	03/22/2002	SOIL GRID	0.00	0.25		
HC156E1BAA	156E1	03/22/2002	SOIL GRID	0.25	0.50		
HC156E1CAA	156E1	03/22/2002	SOIL GRID	0.50	1.00		
HC156F1AAA	156F1	03/22/2002	SOIL GRID	0.00	0.25		
HC156F1BAA	156F1	03/22/2002	SOIL GRID	0.25	0.50		
HC156F1CAA	156F1	03/22/2002	SOIL GRID	0.50	1.00		
HC157A1AAA	157A	03/28/2002	SOIL GRID	0.00	0.25		
HC157A1BAA	157A	03/28/2002	SOIL GRID	0.25	0.25		
HC157A1CAA	157A	03/28/2002	SOIL GRID	0.50	1.00		
HC157B1AAA	157B	03/28/2002	SOIL GRID	0.00	0.25		
HC157B1BAA	157B	03/28/2002	SOIL GRID	0.25	0.25		
HC157B1CAA	157B	03/28/2002	SOIL GRID	0.50	1.00		
HC157C1AAA	157C	03/28/2002	SOIL GRID	0.00	0.25		

Profiling methods include: Volatiles and Explosives
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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
3/1/2002 - 3/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC157C1BAA	157C	03/28/2002	SOIL GRID	0.25	0.25		
HC157C1CAA	157C	03/28/2002	SOIL GRID	0.50	1.00		
HC45F1AAA	45F1	03/13/2002	SOIL GRID	0.00	0.25		
HC45F1BAA	45F1	03/13/2002	SOIL GRID	0.25	0.50		
HC45F1CAA	45F1	03/13/2002	SOIL GRID	0.50	1.00		
HC45G1AAA	45G1	03/13/2002	SOIL GRID	0.00	0.25		
HC45G1BAA	45G1	03/13/2002	SOIL GRID	0.25	0.50		
HC45G1CAA	45G1	03/13/2002	SOIL GRID	0.50	1.00		
HC45H1AAA	45H1	03/13/2002	SOIL GRID	0.00	0.25		
HC45H1BAA	45H1	03/13/2002	SOIL GRID	0.00	0.25		
HC45H1CAA	45H1	03/13/2002	SOIL GRID	0.25	0.50		
HC45I1AAA	45I1	03/14/2002	SOIL GRID	0.00	0.25		
HC45I1BAA	45I1	03/14/2002	SOIL GRID	0.25	0.50		
HC45I1CAA	45I1	03/14/2002	SOIL GRID	0.50	1.00		
HC45I1CAD	45I1	03/14/2002	SOIL GRID	0.50	1.00		
HC45L1AAA	45L1	03/15/2002	SOIL GRID	0.00	0.50		
HC45L1BAA	45L1	03/15/2002	SOIL GRID	1.50	2.00		
HC45M1AAA	45M1	03/15/2002	SOIL GRID	0.00	0.50		
HC45M1BAA	45M1	03/15/2002	SOIL GRID	1.50	2.00		
HC45O1AAA	45O1	03/21/2002	SOIL GRID	0.00	0.50		
HC45O1BAA	4501	03/21/2002	SOIL GRID	1.50	2.00		
HC45Q1AAA	45Q1	03/21/2002	SOIL GRID	0.00	0.50		
HC45Q1BAA	45Q1	03/21/2002	SOIL GRID	0.00	0.50		
HC45R1AAA	45R1	03/18/2002	SOIL GRID	0.00	0.25		
HC45R1BAA	45R1	03/18/2002	SOIL GRID	0.00	0.50		
HD102U1AAA	102U	03/28/2002	SOIL GRID	0.00	0.25		
HD154A1AAA	154A	03/20/2002	SOIL GRID	0.00	0.25		
HD154A1BAA	154A	03/20/2002	SOIL GRID	0.25	0.50		
HD154A1CAA	154A	03/20/2002	SOIL GRID	0.50	1.00		
HD154B1AAA	154B	03/20/2002	SOIL GRID	0.00	0.25		
HD154B1BAA	154B	03/20/2002	SOIL GRID	0.25	0.50		
HD154B1CAA	154B	03/20/2002	SOIL GRID	0.50	1.00		
HD154C1AAA	154C	03/20/2002	SOIL GRID	0.00	0.25		
HD154C1BAA	154C	03/20/2002	SOIL GRID	0.25	0.50		
HD154C1CAA	154C	03/20/2002	SOIL GRID	0.50	1.00		
HD154D1AAA	154D	03/20/2002	SOIL GRID	0.00	0.25		
HD154D1BAA	154D	03/20/2002	SOIL GRID	0.25	0.50		
HD154D1CAA	154D	03/20/2002	SOIL GRID	0.50	1.00		
HD154E1AAA	154E	03/20/2002	SOIL GRID	0.00	0.25		
HD154E1BAA	154E	03/20/2002	SOIL GRID	0.25	0.50		
HD154E1CAA	154E	03/20/2002	SOIL GRID	0.50	1.00		
HD155A1AAA	155A	03/20/2002	SOIL GRID	0.00	0.25		
HD155A1BAA	155A	03/20/2002	SOIL GRID	0.25	0.50		
HD155A1CAA	155A	03/20/2002	SOIL GRID	0.50	1.00		
HD155B1AAA	155B	03/20/2002	SOIL GRID	0.00	0.25		
HD155B1BAA	155B	03/20/2002	SOIL GRID	0.25	0.50		
HD155B1CAA	155B	03/20/2002	SOIL GRID	0.50	1.00		
HD155C1AAA	155C	03/20/2002	SOIL GRID	0.00	0.25		
HD155C1BAA	155C	03/20/2002	SOIL GRID	0.25	0.50		

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
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TABLE 2
SAMPLING PROGRESS
3/1/2002 - 3/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD155D1AAA	155D	03/20/2002	SOIL GRID	0.00	0.25		
HD155D1BAA	155D	03/20/2002	SOIL GRID	0.25	0.50		
HD155D1CAA	155D	03/20/2002	SOIL GRID	0.50	1.00		
HD155E1AAA	155D	03/21/2002	SOIL GRID	0.00	0.25		
HD155E1BAA	155D	03/21/2002	SOIL GRID	0.25	0.50		
HD155E1CAA	155D	03/21/2002	SOIL GRID	0.50	1.00		
HD155E1CAD	155D	03/21/2002	SOIL GRID	0.50	1.00		
HD156A3AAA	156A3	03/21/2002	SOIL GRID	0.00	0.25		
HD156A3BAA	156A3	03/21/2002	SOIL GRID	0.25	0.50		
HD156A3CAA	156A3	03/21/2002	SOIL GRID	0.50	1.00		
HD156B1AAA	156B1	03/21/2002	SOIL GRID	0.00	0.25		
HD156B1BAA	156B1	03/21/2002	SOIL GRID	0.25	0.50		
HD156B1CAA	156B1	03/21/2002	SOIL GRID	0.50	1.00		
HD156C3AAA	156C3	03/21/2002	SOIL GRID	0.00	0.25		
HD156C3BAA	156C3	03/21/2002	SOIL GRID	0.25	0.50		
HD156C3CAA	156C3	03/21/2002	SOIL GRID	0.50	1.00		
HD156D3AAA	156D3	03/22/2002	SOIL GRID	0.00	0.25		
HD156D3BAA	156D3	03/22/2002	SOIL GRID	0.25	0.50		
HD156D3CAA	156D3	03/22/2002	SOIL GRID	0.50	1.00		
HD156E3AAA	156E3	03/22/2002	SOIL GRID	0.00	0.25		
HD156E3BAA	156E3	03/22/2002	SOIL GRID	0.25	0.50		
HD156E3CAA	156E3	03/22/2002	SOIL GRID	0.50	1.00		
HD156F3AAA	156F3	03/22/2002	SOIL GRID	0.00	0.25		
HD156F3BAA	156F3	03/22/2002	SOIL GRID	0.25	0.50		
HD156F3CAA	156F3	03/22/2002	SOIL GRID	0.50	1.00		
HD157A1AAA	157A	03/28/2002	SOIL GRID	0.00	0.25		
HD157A1BAA	157A	03/28/2002	SOIL GRID	0.25	0.25		
HD157A1CAA	157A	03/28/2002	SOIL GRID	0.50	1.00		
HD157B1AAA	157B	03/28/2002	SOIL GRID	0.00	0.25		
HD157B1BAA	157B	03/28/2002	SOIL GRID	0.25	0.25		
HD157B1CAA	157B	03/28/2002	SOIL GRID	0.50	1.00		
HD157C1AAA	157C	03/28/2002	SOIL GRID	0.00	0.25		
HD157C1BAA	157C	03/28/2002	SOIL GRID	0.25	0.25		
HD157C1CAA	157C	03/28/2002	SOIL GRID	0.50	1.00		
HD45F1AAA	45F1	03/13/2002	SOIL GRID	0.00	0.25		
HD45F1BAA	45F1	03/13/2002	SOIL GRID	0.25	0.50		
HD45F1CAA	45F1	03/13/2002	SOIL GRID	0.50	1.00		
HD45G1AAA	45G1	03/13/2002	SOIL GRID	0.00	0.25		
HD45G1BAA	45G1	03/13/2002	SOIL GRID	0.25	0.50		
HD45G1CAA	45G1	03/13/2002	SOIL GRID	0.50	1.00		
HD45G1CAD	45G1	03/13/2002	SOIL GRID	0.50	1.00		
HD45H1AAA	45H1	03/13/2002	SOIL GRID	0.25	0.50		
HD45H1BAA	45H1	03/13/2002	SOIL GRID	0.50	1.00		
HD45H1CAA	45H1	03/13/2002	SOIL GRID	0.50	1.00		
HD45I1AAA	45I1	03/14/2002	SOIL GRID	0.00	0.25		
HD45I1BAA	45I1	03/14/2002	SOIL GRID	0.25	0.50		
HD45I1CAA	45I1	03/14/2002	SOIL GRID	0.50	1.00		
HD45I2AAA	45I2	03/14/2002	SOIL GRID	0.00	0.25		
HD45I2BAA	4512	03/14/2002	SOIL GRID	0.25	0.50		

Profiling methods include: Volatiles and Explosives
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TABLE 2
SAMPLING PROGRESS
3/1/2002 - 3/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD45J1AAA	45J1	03/15/2002	SOIL GRID	0.00	0.25		
HD45K1AAA	45K1	03/15/2002	SOIL GRID	0.00	0.25		
HD45L1AAA	45L1	03/15/2002	SOIL GRID	0.00	0.50		
HD45L1BAA	45L1	03/15/2002	SOIL GRID	1.50	2.00		
HD45M1AAA	45M1	03/15/2002	SOIL GRID	0.00	0.50		
HD45M1BAA	45M1	03/15/2002	SOIL GRID	1.50	2.00		
HD45N1AAA	45N1	03/15/2002	SOIL GRID	0.00	0.50		
HD45N1BAA	45N1	03/15/2002	SOIL GRID	1.50	2.00		
HD45O1AAA	4501	03/21/2002	SOIL GRID	1.50	2.00		
HD45O1BAA	45O1	03/21/2002	SOIL GRID	0.00	0.50		
HD45P1AAA	45P1	03/15/2002	SOIL GRID	0.00	0.50		
HD45P1BAA	45P1	03/15/2002	SOIL GRID	1.50	2.00		
HD45Q1AAA	45Q1	03/14/2002	SOIL GRID	0.00	0.50		
HD45Q1AAA	45Q1	03/21/2002	SOIL GRID	1.50	2.00		
HD45Q1BAA	45Q1	03/14/2002	SOIL GRID	1.50	2.00		
HD45Q1BAA	45Q1	03/21/2002	SOIL GRID	1.50	2.00		
HD45Q1BAD	45Q1	03/14/2002	SOIL GRID	1.50	2.00		
HD45R1AAA	45R1	03/18/2002	SOIL GRID	0.00	0.50		
HD45R1BAA	45R1	03/18/2002	SOIL GRID	0.00	0.50		
J1.F.T1.BP1.1.0	J1.T1.BP1.O	02/27/2002	SOIL GRID	0.00	6.00		
J1.F.T1.BP1.2.0	J1.T1.BP1.O	02/27/2002	SOIL GRID	6.00	6.25		
J1.F.T1.BP1.3.0	J1.T1.BP1.O	02/27/2002	SOIL GRID	2.00	2.25		
J1.F.T1.MT1.1.0	J1.T1.MT1.O	02/25/2002	SOIL GRID	0.00	7.25		
J1.F.T1.MT1.1.D	J1.T1.MT1.O	02/25/2002	SOIL GRID	0.00	7.25		
J1.F.T1.MT1.2.0	J1.T1.MT1.O	02/25/2002	SOIL GRID	7.00	7.25		
LKSNK0005AAA	LKSNK0005	03/27/2002	SURFACE WATER				
LKSNK0007AAA	LKSNK0007	03/27/2002	SURFACE WATER				

Profiling methods include: Volatiles and Explosives
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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH MARCH 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
ECMWSNP02	ECMWSNP02D	09/13/1999	504	1,2-DIBROMOETHANE (ETHYL	110.00		NG/L	79.90	84.90	50.00	X
MW-41	W41M1A	05/18/2000	8151	PENTACHLOROPHENOL	1.80	J	UG/L	108.00	118.00	1.00	X
58MW0009E	WC9EXA	10/02/1997	8330	HEXAHYDRO-1,3,5-TRINITRO	7.70		UG/L	6.50	11.50	2.00	X
MW-1	W01SSA	09/30/1997	8330	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	0.00	10.00	2.00	X
MW-1	W01SSD	09/30/1997	8330	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	0.00	10.00	2.00	X
MW-1	W01MMA	09/29/1997	8330	HEXAHYDRO-1,3,5-TRINITRO	4.60		UG/L	44.00	49.00	2.00	X
MW-25	W25SSA	10/16/1997	8330	HEXAHYDRO-1,3,5-TRINITRO	2.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	03/05/1998	8330N	2,4,6-TRINITROTOLUENE	10.00	J	UG/L	0.00	10.00	2.00	X
MW-19	W19S2A	07/20/1998	8330N	2,4,6-TRINITROTOLUENE	16.00		UG/L	0.00	10.00	2.00	X
MW-19	W19S2D	07/20/1998	8330N	2,4,6-TRINITROTOLUENE	16.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	02/12/1999	8330N	2,4,6-TRINITROTOLUENE	7.20	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	09/10/1999	8330N	2,4,6-TRINITROTOLUENE	2.60	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	05/12/2000	8330N	2,4,6-TRINITROTOLUENE	3.70	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	05/23/2000	8330N	2,4,6-TRINITROTOLUENE	3.90	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	08/08/2000	8330N	2,4,6-TRINITROTOLUENE	2.00	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	12/08/2000	8330N	2,4,6-TRINITROTOLUENE	2.30	J	UG/L	0.00	10.00	2.00	X
MW-31	W31SSA	05/15/2000	8330N	2,4,6-TRINITROTOLUENE	3.30		UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	08/09/2000	8330N	2,4,6-TRINITROTOLUENE	3.90	J	UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	12/08/2000	8330N	2,4,6-TRINITROTOLUENE	5.20	J	UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	05/02/2001	8330N	2,4,6-TRINITROTOLUENE	5.20		UG/L	13.00	18.00	2.00	X
MW-31	W31MMA	05/23/2001	8330N	2,4,6-TRINITROTOLUENE	5.20		UG/L	28.00	38.00	2.00	X
MW-31	W31DDA	08/09/2000	8330N	2,4,6-TRINITROTOLUENE	3.90	J	UG/L	48.00	53.00	2.00	X
MW-45	W45SSA	08/23/2001	8330N	2,6-DINITROTOLUENE	8.30	J	UG/L	0.00	10.00	5.00	X
58MW0001	58MW0001	05/29/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.80		UG/L	3.60	8.60	2.00	X
58MW0002	WC2XXA	02/26/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	19.00		UG/L	4.00	9.00	2.00	X
58MW0002	WC2XXA	01/14/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	20.00		UG/L	4.00	9.00	2.00	X
58MW0002	WC2XXA	10/08/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.80		UG/L	4.00	9.00	2.00	X
58MW0002	58MW0002	05/23/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	13.00		UG/L	4.00	9.00	2.00	X
58MW0002	58MW0002	09/19/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	15.00		UG/L	4.00	9.00	2.00	X
58MW0009E	WC9EXA	01/26/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	17.00		UG/L	6.50	11.50	2.00	X
58MW0009E	WC9EXA	09/28/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	18.00		UG/L	6.50	11.50	2.00	X
58MW0009E	WC9EXD	09/28/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	18.00		UG/L	6.50	11.50	2.00	X
58MW0009E	58MW0009E	05/23/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.40		UG/L	6.50	11.50	2.00	X
58MW0011D	58MW0011D	05/24/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.30		UG/L	49.50	54.50	2.00	X
58MW0016B	58MW0016B	08/30/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.30		UG/L	29.50	39.50	2.00	X

BWTS = DEPTH BELOW WATER TABLE, START DEPTH, MEASURED IN FEET
BWTE = DEPTH BELOW WATER TABLE, END DEPTH, MEASURED IN FEET
DW LIMIT = EITHER THE MCL OR LOWEST HEALTH ADVISORY CONCENTRATION (CHILD, ADULT OR LIFETIME)
>DW LIMIT = EQUALS OR EXCEEDS EITHER THE MCL OR LOWEST HEALTH ADVISORY CONCENTRATION (CHILD, ADULT, OR LIFETIME)

TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH MARCH 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
90MW0022	WF22XA	01/26/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.80		UG/L	72.79	77.79	2.00	X
90MW0022	WF22XA	02/16/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.40		UG/L	72.79	77.79	2.00	X
90MW0022	WF22XA	09/30/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.20		UG/L	72.79	77.79	2.00	X
90WT0013	WF13XA	01/16/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.20	J	UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	02/22/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.80		UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	09/07/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	05/31/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.10	J	UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	07/31/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.80	J	UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	11/18/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.20		UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	12/12/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.10	J	UG/L	0.00	10.00	2.00	X
MW-1	W01SSD	12/12/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.40		UG/L	0.00	10.00	2.00	X
MW-1	W01M2A	03/01/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20		UG/L	44.00	49.00	2.00	X
MW-1	W01M2A	05/10/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.90		UG/L	44.00	49.00	2.00	X
MW-1	W01M2A	07/31/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.40	J	UG/L	44.00	49.00	2.00	X
MW-1	W01M2A	11/18/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.10		UG/L	44.00	49.00	2.00	X
MW-1	W01M2D	11/18/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.00		UG/L	44.00	49.00	2.00	X
MW-1	W01M2A	05/01/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.80		UG/L	44.00	49.00	2.00	X
MW-100	W100M1A	06/06/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.30		UG/L	45.00	55.00	2.00	X
MW-100	W100M1D	06/06/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.30		UG/L	45.00	55.00	2.00	X
MW-100	W100M1A	10/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.90		UG/L	45.00	55.00	2.00	X
MW-100	W100M1A	01/27/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.90		UG/L	45.00	55.00	2.00	X
MW-101	W101M1A	06/06/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	27.00	37.00	2.00	X
MW-105	W105M1A	06/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.90		UG/L	78.00	88.00	2.00	X
MW-105	W105M1A	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.90		UG/L	78.00	88.00	2.00	X
MW-105	W105M1A	01/27/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.30		UG/L	78.00	88.00	2.00	X
MW-107	W107M2A	06/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.00		UG/L	5.00	15.00	2.00	X
MW-107	W107M2A	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.10		UG/L	5.00	15.00	2.00	X
MW-111	W111M3A	10/10/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20		UG/L	33.00	43.00	2.00	X
MW-113	W113M2A	09/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	9.20		UG/L	48.00	58.00	2.00	X
MW-113	W113M2A	01/15/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	11.00		UG/L	48.00	58.00	2.00	X
MW-113	W113M2A	04/30/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	15.00		UG/L	48.00	58.00	2.00	X
MW-114	W114M2A	10/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	140.00		UG/L	39.00	49.00	2.00	X
MW-114	W114M2D	10/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	140.00		UG/L	39.00	49.00	2.00	X
MW-114	W114M2A	03/14/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	120.00	J	UG/L	39.00	49.00	2.00	X
MW-114	W114M2A	06/19/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	140.00		UG/L	39.00	49.00	2.00	X

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>DW LIMIT = EQUALS OR EXCEEDS EITHER THE MCL OR LOWEST HEALTH ADVISORY CONCENTRATION (CHILD, ADULT, OR LIFETIME)

TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH MARCH 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-114	W114M1A	03/14/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.00	J	UG/L	96.00	106.00	2.00	X
MW-132	W132SSA	11/09/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50	J	UG/L	0.00	10.00	2.00	X
MW-132	W132SSA	02/16/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.40	J	UG/L	0.00	10.00	2.00	X
MW-147	W147M2A	02/23/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.00		UG/L	77.00	87.00	2.00	X
MW-147	W147M1A	02/23/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.70		UG/L	94.00	104.00	2.00	X
MW-147	W147M1A	06/19/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20		UG/L	94.00	104.00	2.00	X
MW-153	W153M1A	03/23/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	9.20		UG/L	108.00	118.00	2.00	X
MW-153	W153M1A	07/24/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.80		UG/L	108.00	118.00	2.00	X
MW-163	W163SSA	06/14/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.70		UG/L	0.00	10.00	2.00	X
MW-164	W164M2A	05/25/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	12.00		UG/L	119.00	129.00	2.00	X
MW-164	W164M2A	08/21/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.00		UG/L	119.00	129.00	2.00	X
MW-165	W165M2A	05/08/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	60.00		UG/L	46.00	56.00	2.00	X
MW-165	W165M2A	08/16/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	50.00		UG/L	46.00	56.00	2.00	X
MW-166	W166M3A	06/01/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.30		UG/L	19.00	29.00	2.00	X
MW-166	W166M3A	10/04/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.90		UG/L	19.00	29.00	2.00	X
MW-166	W166M1A	05/31/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.70		UG/L	112.00	117.00	2.00	X
MW-166	W166M1A	10/04/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.40		UG/L	112.00	117.00	2.00	X
MW-171	W171M2A	05/31/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	83.00	88.00	2.00	X
MW-19	W19SSA	03/05/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	190.00		UG/L	0.00	10.00	2.00	X
MW-19	W19S2A	07/20/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	260.00		UG/L	0.00	10.00	2.00	X
MW-19	W19S2D	07/20/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	260.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	02/12/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	250.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	09/10/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	240.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	05/12/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	150.00	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	05/23/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	160.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	08/08/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	290.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	12/08/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	200.00		UG/L	0.00	10.00	2.00	X
MW-2	W02M2A	01/20/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	13.00		UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	02/03/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.80		UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	09/03/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.80		UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	05/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.30	J	UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	08/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	11/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	05/03/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.10		UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	08/21/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.50		UG/L	33.00	38.00	2.00	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH MARCH 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-2	W02M1A	08/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	75.00	80.00	2.00	X
MW-23	W23M1A	11/07/1997	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.30	J	UG/L	103.00	113.00	2.00	X
MW-23	W23M1A	03/18/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.40		UG/L	103.00	113.00	2.00	X
MW-23	W23M1D	03/18/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.70		UG/L	103.00	113.00	2.00	X
MW-23	W23M1A	09/13/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.10		UG/L	103.00	113.00	2.00	X
MW-23	W23M1A	05/12/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.60	J	UG/L	103.00	113.00	2.00	X
MW-23	W23M1A	08/08/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.30		UG/L	103.00	113.00	2.00	X
MW-23	W23M1A	12/04/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.00		UG/L	103.00	113.00	2.00	X
MW-23	W23M1D	12/04/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.20		UG/L	103.00	113.00	2.00	X
MW-23	W23M1A	04/27/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.90		UG/L	103.00	113.00	2.00	X
MW-25	W25SSA	03/17/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	0.00	10.00	2.00	X
MW-31	W31SSA	07/15/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	64.00		UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	02/01/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	210.00		UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	09/15/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	50.00		UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	05/15/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	110.00		UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	08/09/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	140.00		UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	12/08/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	120.00		UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	05/02/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	81.00		UG/L	13.00	18.00	2.00	X
MW-31	W31MMA	07/15/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	280.00		UG/L	28.00	38.00	2.00	X
MW-31	W31MMA	02/02/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	370.00		UG/L	28.00	38.00	2.00	X
MW-31	W31MMA	09/15/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	28.00	38.00	2.00	X
MW-31	W31M1A	05/15/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	19.00		UG/L	28.00	38.00	2.00	X
MW-31	W31M1A	08/09/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	14.00		UG/L	28.00	38.00	2.00	X
MW-31	W31MMA	05/23/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	70.00		UG/L	28.00	38.00	2.00	X
MW-31	W31DDA	08/09/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	150.00		UG/L	48.00	53.00	2.00	X
MW-34	W34M2A	02/19/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.20		UG/L	53.00	63.00	2.00	X
MW-34	W34M2A	05/18/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.70		UG/L	53.00	63.00	2.00	X
MW-34	W34M2A	08/10/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.10		UG/L	53.00	63.00	2.00	X
MW-34	W34M2A	11/17/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	53.00	63.00	2.00	X
MW-34	W34M1A	05/17/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20		UG/L	73.00	83.00	2.00	X
MW-34	W34M1A	08/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.00		UG/L	73.00	83.00	2.00	X
MW-34	W34M1A	11/17/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.50		UG/L	73.00	83.00	2.00	X
MW-37	W37M2A	09/29/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.90		UG/L	26.00	36.00	2.00	X
MW-37	W37M2A	12/29/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.60		UG/L	26.00	36.00	2.00	X
MW-37	W37M2A	03/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.10		UG/L	26.00	36.00	2.00	X

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1997 THROUGH MARCH 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-37	W37M2A	08/31/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.80	J	UG/L	26.00	36.00	2.00	X
MW-37	W37M2A	11/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	26.00	36.00	2.00	X
MW-37	W37M2D	11/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	26.00	36.00	2.00	X
MW-38	W38M3A	05/06/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	08/18/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.60		UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	11/10/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.00		UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	05/16/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.90	J	UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	08/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.60		UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	11/20/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	04/30/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.30	J	UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	08/14/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.00		UG/L	52.00	62.00	2.00	X
MW-40	W40M1A	09/21/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.80		UG/L	13.00	23.00	2.00	X
MW-40	W40M1D	09/21/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.60		UG/L	13.00	23.00	2.00	X
MW-40	W40M1A	12/30/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.00	J	UG/L	13.00	23.00	2.00	X
MW-40	W40M1A	04/14/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.00	J	UG/L	13.00	23.00	2.00	X
MW-40	W40M1A	09/01/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40	J	UG/L	13.00	23.00	2.00	X
MW-40	W40M1A	11/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	13.00	23.00	2.00	X
MW-40	W40M1A	06/02/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.10		UG/L	13.00	23.00	2.00	X
MW-40	W40M1A	08/16/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.90		UG/L	13.00	23.00	2.00	X
MW-58	W58SSA	11/23/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.70	J	UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	02/15/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.00		UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	05/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.40	J	UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	09/05/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.10		UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	12/20/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.10		UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	06/14/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.30		UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	08/22/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.40		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	07/09/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	50.00	J	UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	09/16/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	63.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	11/02/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	57.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	06/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	44.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	09/05/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	11/14/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	28.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSD	11/14/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	06/14/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	22.00		UG/L	0.00	10.00	2.00	X
MW-76	W76SSA	01/20/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	11.00		UG/L	18.00	28.00	2.00	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH MARCH 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-76	W76SSA	05/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.50	J	UG/L	18.00	28.00	2.00	X
MW-76	W76SSA	08/01/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	18.00	28.00	2.00	X
MW-76	W76SSA	05/07/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.10		UG/L	18.00	28.00	2.00	X
MW-76	W76M2A	01/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	31.00		UG/L	38.00	48.00	2.00	X
MW-76	W76M2D	01/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	38.00	48.00	2.00	X
MW-76	W76M2A	05/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	37.00	J	UG/L	38.00	48.00	2.00	X
MW-76	W76M2A	08/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	31.00		UG/L	38.00	48.00	2.00	X
MW-76	W76M2A	12/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	46.00		UG/L	38.00	48.00	2.00	X
MW-76	W76M2A	05/07/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	56.00		UG/L	38.00	48.00	2.00	X
MW-76	W76M1A	12/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.30		UG/L	58.00	68.00	2.00	X
MW-76	W76M1A	05/07/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	28.00		UG/L	58.00	68.00	2.00	X
MW-77	W77M2A	01/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	150.00		UG/L	38.00	48.00	2.00	X
MW-77	W77M2A	05/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	100.00	J	UG/L	38.00	48.00	2.00	X
MW-77	W77M2A	08/01/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	97.00	J	UG/L	38.00	48.00	2.00	X
MW-77	W77M2A	12/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	93.00		UG/L	38.00	48.00	2.00	X
MW-77	W77M2A	05/10/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	39.00		UG/L	38.00	48.00	2.00	X
MW-85	W85M1A	05/22/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	22.00	32.00	2.00	X
MW-85	W85M1A	02/10/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	24.00		UG/L	22.00	32.00	2.00	X
MW-85	W85M1A	06/16/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	27.00		UG/L	22.00	32.00	2.00	X
MW-86	W86SSA	04/28/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50	J	UG/L	1.00	11.00	2.00	X
MW-87	W87M1A	04/28/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.50	J	UG/L	62.00	72.00	2.00	X
MW-87	W87M1A	09/14/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.00		UG/L	62.00	72.00	2.00	X
MW-87	W87M1A	01/10/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.60		UG/L	62.00	72.00	2.00	X
MW-88	W88M2A	05/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.00		UG/L	72.00	82.00	2.00	X
MW-88	W88M2A	09/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.70		UG/L	72.00	82.00	2.00	X
MW-88	W88M2A	01/10/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.80		UG/L	72.00	82.00	2.00	X
MW-89	W89M2A	05/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.30		UG/L	72.00	82.00	2.00	X
MW-89	W89M2A	09/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.30		UG/L	72.00	82.00	2.00	X
MW-89	W89M2A	01/11/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.50		UG/L	72.00	82.00	2.00	X
MW-89	W89M2A	10/03/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.80		UG/L	72.00	82.00	2.00	X
MW-89	W89M2D	10/03/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.90		UG/L	72.00	82.00	2.00	X
MW-90	W90SSA	05/19/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.40	J	UG/L	0.00	10.00	2.00	X
MW-90	W90M1A	10/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	27.00	37.00	2.00	X
MW-91	W91SSA	05/19/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	12.00		UG/L	0.00	10.00	2.00	X
MW-91	W91SSA	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	13.00		UG/L	0.00	10.00	2.00	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH MARCH 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-91	W91SSA	01/20/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	12.00		UG/L	0.00	10.00	2.00	X
MW-91	W91M1A	05/22/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	18.00		UG/L	45.00	55.00	2.00	X
MW-91	W91M1A	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	11.00		UG/L	45.00	55.00	2.00	X
MW-91	W91M1D	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	11.00		UG/L	45.00	55.00	2.00	X
MW-91	W91M1A	01/20/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	12.00		UG/L	45.00	55.00	2.00	X
MW-91	W91M1A	10/03/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	13.00	J	UG/L	45.00	55.00	2.00	X
MW-93	W93M2A	05/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.20		UG/L	16.00	26.00	2.00	X
MW-93	W93M2A	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.20		UG/L	16.00	26.00	2.00	X
MW-93	W93M2A	01/20/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10	J	UG/L	16.00	26.00	2.00	X
MW-93	W93M2A	10/03/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	9.90		UG/L	16.00	26.00	2.00	X
MW-93	W93M1A	05/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20	J	UG/L	56.00	66.00	2.00	X
MW-93	W93M1A	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	56.00	66.00	2.00	X
MW-93	W93M1A	01/22/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40	J	UG/L	56.00	66.00	2.00	X
MW-93	W93M1D	01/22/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	56.00	66.00	2.00	X
MW-93	W93M1A	10/03/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.20		UG/L	56.00	66.00	2.00	X
MW-95	W95M1A	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20		UG/L	78.00	88.00	2.00	X
MW-98	W98M1A	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.10		UG/L	26.00	36.00	2.00	X
MW-99	W99M1A	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.90		UG/L	60.00	70.00	2.00	X
MW-99	W99M1D	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.90		UG/L	60.00	70.00	2.00	X
MW-99	W99M1A	09/29/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.00		UG/L	60.00	70.00	2.00	X
MW-99	W99M1A	01/13/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.20		UG/L	60.00	70.00	2.00	X
MW-31	W31SSA	08/24/2001	8330NX	2,4,6-TRINITROTOLUENE	5.40		UG/L	13.00	18.00	2.00	X
MW-1	W01SSA	08/16/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO	4.30		UG/L	0.00	10.00	2.00	X
MW-1	W01M2A	08/15/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO	11.00		UG/L	44.00	49.00	2.00	X
MW-19	W19SSA	06/18/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO	200.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	06/18/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO	210.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	08/24/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO	120.00		UG/L	0.00	10.00	2.00	X
MW-23	W23M1A	07/30/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO	5.30		UG/L	103.00	113.00	2.00	X
MW-31	W31SSA	08/24/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO	88.00		UG/L	13.00	18.00	2.00	X
MW-76	W76SSA	08/10/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO	4.50		UG/L	18.00	28.00	2.00	X
MW-76	W76M2A	08/13/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO	51.00		UG/L	38.00	48.00	2.00	X
MW-76	W76M2D	08/13/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO	48.00		UG/L	38.00	48.00	2.00	X
MW-76	W76M1A	08/13/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO	90.00		UG/L	58.00	68.00	2.00	X
MW-77	W77M2A	08/10/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	38.00	48.00	2.00	X
ASPWELL	ASPWELL	07/20/1999	E200.8	LEAD	53.00		UG/L	0.00	0.00	15.00	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH MARCH 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
90MW0022	90MW0022	05/19/2001	E314.0	PERCHLORATE	2.00	J	UG/L	72.79	77.79	1.50	X
90MW0022	90MW0022	09/05/2001	E314.0	PERCHLORATE	2.00	J	UG/L	72.79	77.79	1.50	X
90MW0022	90MW0022	01/16/2002	E314.0	PERCHLORATE	1.63	J	UG/L	72.79	77.79	1.50	X
90MW0054	90MW0054AA	01/30/2001	E314.0	PERCHLORATE	9.00		UG/L	91.83	96.83	1.50	X
90MW0054	90MW0054AD	01/30/2001	E314.0	PERCHLORATE	10.00		UG/L	91.83	96.83	1.50	X
90MW0054	90MW0054	10/24/2001	E314.0	PERCHLORATE	27.80		UG/L	91.83	96.83	1.50	X
90MW0054	90MW0054	12/13/2001	E314.0	PERCHLORATE	32.10		UG/L	91.83	96.83	1.50	X
MW-100	W100M1A	10/23/2001	E314.0	PERCHLORATE	1.67	J	UG/L	45.00	55.00	1.50	X
MW-101	W101M1A	01/20/2001	E314.0	PERCHLORATE	3.00	J	UG/L	27.00	37.00	1.50	X
MW-101	W101M1A	10/23/2001	E314.0	PERCHLORATE	1.75	J	UG/L	27.00	37.00	1.50	X
MW-101	W101M1A	11/27/2001	E314.0	PERCHLORATE	1.72	J	UG/L	27.00	37.00	1.50	X
MW-105	W105M1A	11/26/2001	E314.0	PERCHLORATE	1.98	J	UG/L	78.00	88.00	1.50	X
MW-114	W114M2A	12/29/2000	E314.0	PERCHLORATE	300.00		UG/L	39.00	49.00	1.50	X
MW-114	W114M2A	03/14/2001	E314.0	PERCHLORATE	260.00		UG/L	39.00	49.00	1.50	X
MW-114	W114M2A	06/19/2001	E314.0	PERCHLORATE	207.00		UG/L	39.00	49.00	1.50	X
MW-114	W114M2A	01/10/2002	E314.0	PERCHLORATE	127.00		UG/L	39.00	49.00	1.50	X
MW-114	W114M1A	12/28/2000	E314.0	PERCHLORATE	11.00		UG/L	96.00	106.00	1.50	X
MW-114	W114M1A	03/14/2001	E314.0	PERCHLORATE	13.00		UG/L	96.00	106.00	1.50	X
MW-114	W114M1A	06/18/2001	E314.0	PERCHLORATE	10.00		UG/L	96.00	106.00	1.50	X
MW-114	W114M1A	12/21/2001	E314.0	PERCHLORATE	22.10		UG/L	96.00	106.00	1.50	X
MW-125	W125M1A	02/20/2001	E314.0	PERCHLORATE	3.00	J	UG/L	182.00	192.00	1.50	X
MW-127	W127SSA	02/14/2001	E314.0	PERCHLORATE	4.00	J	UG/L	0.00	10.00	1.50	X
MW-128	W128SSA	02/14/2001	E314.0	PERCHLORATE	3.00	J	UG/L	0.00	10.00	1.50	X
MW-129	W129M2A	03/14/2001	E314.0	PERCHLORATE	6.00		UG/L	46.00	56.00	1.50	X
MW-129	W129M2A	06/20/2001	E314.0	PERCHLORATE	8.00		UG/L	46.00	56.00	1.50	X
MW-129	W129M2A	12/21/2001	E314.0	PERCHLORATE	6.93	J	UG/L	46.00	56.00	1.50	X
MW-129	W129M1A	01/02/2001	E314.0	PERCHLORATE	10.00		UG/L	66.00	76.00	1.50	X
MW-129	W129M1A	03/14/2001	E314.0	PERCHLORATE	9.00		UG/L	66.00	76.00	1.50	X
MW-129	W129M1A	06/19/2001	E314.0	PERCHLORATE	6.00		UG/L	66.00	76.00	1.50	X
MW-129	W129M1A	12/21/2001	E314.0	PERCHLORATE	5.92	J	UG/L	66.00	76.00	1.50	X
MW-130	W130SSA	02/14/2001	E314.0	PERCHLORATE	3.00	J	UG/L	0.00	10.00	1.50	X
MW-130	W130SSA	06/14/2001	E314.0	PERCHLORATE	3.00	J	UG/L	0.00	10.00	1.50	X
MW-130	W130SSD	06/14/2001	E314.0	PERCHLORATE	3.00	J	UG/L	0.00	10.00	1.50	X
MW-130	W130SSA	12/13/2001	E314.0	PERCHLORATE	4.21		UG/L	0.00	10.00	1.50	X
MW-130	W130SSD	12/13/2001	E314.0	PERCHLORATE	4.10		UG/L	0.00	10.00	1.50	X

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MW-132	W132SSA	11/09/2000	E314.0	PERCHLORATE	39.00	J	UG/L	0.00	10.00	1.50	X
MW-132	W132SSA	02/16/2001	E314.0	PERCHLORATE	65.00		UG/L	0.00	10.00	1.50	X
MW-132	W132SSA	06/15/2001	E314.0	PERCHLORATE	75.00		UG/L	0.00	10.00	1.50	X
MW-132	W132SSA	12/12/2001	E314.0	PERCHLORATE	27.40		UG/L	0.00	10.00	1.50	X
MW-139	W139M2A	12/29/2000	E314.0	PERCHLORATE	8.00		UG/L	70.00	80.00	1.50	X
MW-139	W139M2A	03/15/2001	E314.0	PERCHLORATE	11.00	J	UG/L	70.00	80.00	1.50	X
MW-139	W139M2A	06/20/2001	E314.0	PERCHLORATE	3.00	J	UG/L	70.00	80.00	1.50	X
MW-158	W158SSA	06/12/2001	E314.0	PERCHLORATE	2.00	J	UG/L	2.00	12.00	1.50	X
MW-158	W158M2A	01/16/2002	E314.0	PERCHLORATE	1.61	J	UG/L	37.00	47.00	1.50	X
MW-163	W163SSA	06/14/2001	E314.0	PERCHLORATE	67.00		UG/L	0.00	10.00	1.50	X
MW-163	W163SSA	10/10/2001	E314.0	PERCHLORATE	39.60		UG/L	0.00	10.00	1.50	X
MW-165	W165M2A	05/08/2001	E314.0	PERCHLORATE	122.00	J	UG/L	46.00	56.00	1.50	X
MW-165	W165M2A	08/16/2001	E314.0	PERCHLORATE	102.00		UG/L	46.00	56.00	1.50	X
MW-165	W165M2A	01/10/2002	E314.0	PERCHLORATE	81.20		UG/L	46.00	56.00	1.50	X
MW-166	W166M3A	10/04/2001	E314.0	PERCHLORATE	1.50	J	UG/L	19.00	29.00	1.50	X
MW-166	W166M3A	01/17/2002	E314.0	PERCHLORATE	1.82	J	UG/L	19.00	29.00	1.50	X
MW-172	W172M2A	06/21/2001	E314.0	PERCHLORATE	3.00	J	UG/L	104.00	114.00	1.50	X
MW-172	W172M2A	09/21/2001	E314.0	PERCHLORATE	3.94	J	UG/L	104.00	114.00	1.50	X
MW-19	W19SSA	08/08/2000	E314.0	PERCHLORATE	5.00	J	UG/L	0.00	10.00	1.50	X
MW-19	W19SSA	12/08/2000	E314.0	PERCHLORATE	12.00		UG/L	0.00	10.00	1.50	X
MW-19	W19SSA	06/18/2001	E314.0	PERCHLORATE	41.00		UG/L	0.00	10.00	1.50	X
MW-19	W19SSA	08/24/2001	E314.0	PERCHLORATE	8.49		UG/L	0.00	10.00	1.50	X
MW-19	W19SSA	12/27/2001	E314.0	PERCHLORATE	18.60	J	UG/L	0.00	10.00	1.50	X
MW-31	W31SSA	08/09/2000	E314.0	PERCHLORATE	40.00	J	UG/L	13.00	18.00	1.50	X
MW-31	W31SSA	12/08/2000	E314.0	PERCHLORATE	30.00		UG/L	13.00	18.00	1.50	X
MW-31	W31SSA	05/02/2001	E314.0	PERCHLORATE	20.00	J	UG/L	13.00	18.00	1.50	X
MW-31	W31SSA	08/24/2001	E314.0	PERCHLORATE	16.20		UG/L	13.00	18.00	1.50	X
MW-31	W31SSA	01/04/2002	E314.0	PERCHLORATE	12.50		UG/L	13.00	18.00	1.50	X
MW-31	W31M1A	08/09/2000	E314.0	PERCHLORATE	50.00	J	UG/L	28.00	38.00	1.50	X
MW-31	W31MMA	05/23/2001	E314.0	PERCHLORATE	19.00		UG/L	28.00	38.00	1.50	X
MW-31	W31MMA	01/04/2002	E314.0	PERCHLORATE	1.66	J	UG/L	28.00	38.00	1.50	X
MW-33	W33DDA	12/26/2001	E314.0	PERCHLORATE	1.54	J	UG/L	85.00	90.00	1.50	X
MW-34	W34M2A	08/10/2000	E314.0	PERCHLORATE	60.00	J	UG/L	53.00	63.00	1.50	X
MW-34	W34M2A	12/18/2000	E314.0	PERCHLORATE	34.00		UG/L	53.00	63.00	1.50	X
MW-34	W34M2A	05/01/2001	E314.0	PERCHLORATE	28.00	J	UG/L	53.00	63.00	1.50	X

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1997 THROUGH MARCH 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-34	W34M2A	07/30/2001	E314.0	PERCHLORATE	16.20		UG/L	53.00	63.00	1.50	X
MW-34	W34M2A	12/26/2001	E314.0	PERCHLORATE	5.85	J	UG/L	53.00	63.00	1.50	X
MW-34	W34M1A	12/18/2000	E314.0	PERCHLORATE	109.00		UG/L	73.00	83.00	1.50	X
MW-34	W34M1A	05/05/2001	E314.0	PERCHLORATE	46.00		UG/L	73.00	83.00	1.50	X
MW-34	W34M1A	07/31/2001	E314.0	PERCHLORATE	30.80		UG/L	73.00	83.00	1.50	X
MW-34	W34M1D	07/31/2001	E314.0	PERCHLORATE	31.40		UG/L	73.00	83.00	1.50	X
MW-34	W34M1A	12/26/2001	E314.0	PERCHLORATE	17.70		UG/L	73.00	83.00	1.50	X
MW-35	W35M1A	05/04/2001	E314.0	PERCHLORATE	4.00	J	UG/L	68.00	78.00	1.50	X
MW-35	W35M1A	08/03/2001	E314.0	PERCHLORATE	5.40		UG/L	68.00	78.00	1.50	X
MW-35	W35M1A	12/21/2001	E314.0	PERCHLORATE	6.34	J	UG/L	68.00	78.00	1.50	X
MW-36	W36M2A	01/08/2002	E314.0	PERCHLORATE	1.86	J	UG/L	54.00	64.00	1.50	X
MW-36	W36M2D	01/08/2002	E314.0	PERCHLORATE	2.16		UG/L	54.00	64.00	1.50	X
MW-66	W66SSA	08/13/2001	E314.0	PERCHLORATE	1.90	J	UG/L	7.00	17.00	1.50	X
MW-66	W66SSA	09/21/2001	E314.0	PERCHLORATE	2.20	J	UG/L	7.00	17.00	1.50	X
MW-73	W73SSD	12/19/2000	E314.0	PERCHLORATE	6.00		UG/L	0.00	10.00	1.50	X
MW-73	W73SSA	06/14/2001	E314.0	PERCHLORATE	10.00		UG/L	0.00	10.00	1.50	X
MW-73	W73SSA	01/11/2002	E314.0	PERCHLORATE	3.30		UG/L	0.00	10.00	1.50	X
MW-75	W75M2A	05/09/2001	E314.0	PERCHLORATE	9.00	J	UG/L	34.00	44.00	1.50	X
MW-75	W75M2D	05/09/2001	E314.0	PERCHLORATE	9.00	J	UG/L	34.00	44.00	1.50	X
MW-75	W75M2A	08/09/2001	E314.0	PERCHLORATE	6.24		UG/L	34.00	44.00	1.50	X
MW-75	W75M2A	01/07/2002	E314.0	PERCHLORATE	4.08		UG/L	34.00	44.00	1.50	X
MW-76	W76SSA	12/07/2000	E314.0	PERCHLORATE	5.00		UG/L	18.00	28.00	1.50	X
MW-76	W76SSA	05/07/2001	E314.0	PERCHLORATE	7.00		UG/L	18.00	28.00	1.50	X
MW-76	W76SSA	08/10/2001	E314.0	PERCHLORATE	13.30		UG/L	18.00	28.00	1.50	X
MW-76	W76SSA	12/28/2001	E314.0	PERCHLORATE	41.20		UG/L	18.00	28.00	1.50	X
MW-76	W76M2A	12/06/2000	E314.0	PERCHLORATE	11.00		UG/L	38.00	48.00	1.50	X
MW-76	W76M2A	05/07/2001	E314.0	PERCHLORATE	17.00		UG/L	38.00	48.00	1.50	X
MW-76	W76M2A	08/13/2001	E314.0	PERCHLORATE	22.10		UG/L	38.00	48.00	1.50	X
MW-76	W76M2D	08/13/2001	E314.0	PERCHLORATE	22.50		UG/L	38.00	48.00	1.50	X
MW-76	W76M2A	01/07/2002	E314.0	PERCHLORATE	126.00		UG/L	38.00	48.00	1.50	X
MW-76	W76M1A	05/07/2001	E314.0	PERCHLORATE	8.00		UG/L	58.00	68.00	1.50	X
MW-76	W76M1A	08/13/2001	E314.0	PERCHLORATE	16.00		UG/L	58.00	68.00	1.50	X
MW-76	W76M1A	12/28/2001	E314.0	PERCHLORATE	30.60		UG/L	58.00	68.00	1.50	X
MW-77	W77M2A	12/06/2000	E314.0	PERCHLORATE	28.00		UG/L	38.00	48.00	1.50	X
MW-77	W77M2A	05/10/2001	E314.0	PERCHLORATE	16.00	J	UG/L	38.00	48.00	1.50	X

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1997 THROUGH MARCH 2002

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MW-77	W77M2A	08/10/2001	E314.0	PERCHLORATE	13.90		UG/L	38.00	48.00	1.50	X
MW-77	W77M2A	12/26/2001	E314.0	PERCHLORATE	12.30		UG/L	38.00	48.00	1.50	X
MW-78	W78M2A	12/06/2000	E314.0	PERCHLORATE	19.00		UG/L	38.00	48.00	1.50	X
MW-78	W78M2A	05/10/2001	E314.0	PERCHLORATE	9.00	J	UG/L	38.00	48.00	1.50	X
MW-78	W78M2A	08/15/2001	E314.0	PERCHLORATE	11.40		UG/L	38.00	48.00	1.50	X
MW-78	W78M2A	12/28/2001	E314.0	PERCHLORATE	4.43		UG/L	38.00	48.00	1.50	X
MW-80	W80M1A	08/20/2001	E314.0	PERCHLORATE	1.70	J	UG/L	86.00	96.00	1.50	X
MW-80	W80M1A	10/10/2001	E314.0	PERCHLORATE	1.50	J	UG/L	86.00	96.00	1.50	X
MW-80	W80M1A	12/20/2001	E314.0	PERCHLORATE	1.63	J	UG/L	86.00	96.00	1.50	X
MW-91	W91SSA	01/20/2001	E314.0	PERCHLORATE	5.00	J	UG/L	0.00	10.00	1.50	X
MW-91	W91SSA	10/09/2001	E314.0	PERCHLORATE	3.22	J	UG/L	0.00	10.00	1.50	X
MW-91	W91SSA	12/20/2001	E314.0	PERCHLORATE	3.83	J	UG/L	0.00	10.00	1.50	X
MW-91	W91M1A	10/03/2001	E314.0	PERCHLORATE	1.50	J	UG/L	45.00	55.00	1.50	X
MW-91	W91M1A	11/29/2001	E314.0	PERCHLORATE	1.62	J	UG/L	45.00	55.00	1.50	X
MW-93	W93M2A	01/20/2001	E314.0	PERCHLORATE	2.00	J	UG/L	16.00	26.00	1.50	X
MW-93	W93M1A	01/20/2001	E314.0	PERCHLORATE	3.00	J	UG/L	56.00	66.00	1.50	X
MW-93	W93M1D	01/20/2001	E314.0	PERCHLORATE	2.00	J	UG/L	56.00	66.00	1.50	X
MW-93	W93M1A	10/03/2001	E314.0	PERCHLORATE	1.80	J	UG/L	56.00	66.00	1.50	X
MW-99	W99M1A	11/28/2001	E314.0	PERCHLORATE	1.51	J	UG/L	60.00	70.00	1.50	X
OW-1	WOW-1A	11/15/2001	E314.0	PERCHLORATE	2.92		UG/L	0.70	10.70	1.50	X
MW-16	W16SSA	11/17/1997	IM40	SODIUM	20,900.00		UG/L	0.00	10.00	20,000.00	X
MW-16	W16SSL	11/17/1997	IM40	SODIUM	20,400.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02DDA	11/19/1997	IM40	SODIUM	21,500.00		UG/L	218.00	223.00	20,000.00	X
MW-2	W02DDL	11/19/1997	IM40	SODIUM	22,600.00		UG/L	218.00	223.00	20,000.00	X
MW-21	W21SSA	10/24/1997	IM40	SODIUM	24,000.00		UG/L	0.00	10.00	20,000.00	X
MW-21	W21SSL	10/24/1997	IM40	SODIUM	24,200.00		UG/L	0.00	10.00	20,000.00	X
MW-21	W21SSA	10/24/1997	IM40	THALLIUM	6.90	J	UG/L	0.00	10.00	2.00	X
95-15	W9515A	10/17/1997	IM40	ZINC	7,210.00		UG/L	80.00	92.00	2,000.00	X
95-15	W9515L	10/17/1997	IM40	ZINC	4,620.00		UG/L	80.00	92.00	2,000.00	X
LRMW0003	WL31XA	10/21/1997	IM40	ZINC	2,480.00		UG/L	102.00	117.00	2,000.00	X
LRMW0003	WL31XL	10/21/1997	IM40	ZINC	2,410.00		UG/L	102.00	117.00	2,000.00	X
LRWS4-1	WL41XA	11/24/1997	IM40	ZINC	3,220.00		UG/L	66.00	91.00	2,000.00	X
LRWS4-1	WL41XL	11/24/1997	IM40	ZINC	3,060.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51DL	11/25/1997	IM40	ZINC	4,410.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51XA	11/25/1997	IM40	ZINC	4,510.00		UG/L	66.00	91.00	2,000.00	X

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LRWS5-1	WL51XD	11/25/1997	IM40	ZINC	4,390.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51XL	11/25/1997	IM40	ZINC	3,900.00		UG/L	66.00	91.00	2,000.00	X
LRWS6-1	WL61XA	11/17/1997	IM40	ZINC	3,480.00		UG/L	184.00	199.00	2,000.00	X
LRWS6-1	WL61XL	11/17/1997	IM40	ZINC	2,600.00		UG/L	184.00	199.00	2,000.00	X
LRWS7-1	WL71XA	11/21/1997	IM40	ZINC	4,320.00		UG/L	186.00	201.00	2,000.00	X
LRWS7-1	WL71XL	11/21/1997	IM40	ZINC	3,750.00		UG/L	186.00	201.00	2,000.00	X
MW-1	W01SSA	09/07/1999	IM40MB	ANTIMONY	6.70	J	UG/L	0.00	10.00	6.00	X
MW-3	W03DDL	03/06/1998	IM40MB	ANTIMONY	13.80	J	UG/L	219.00	224.00	6.00	X
MW-34	W34M2A	08/16/1999	IM40MB	ANTIMONY	6.60	J	UG/L	53.00	63.00	6.00	X
MW-35	W35SSA	08/19/1999	IM40MB	ANTIMONY	6.90	J	UG/L	0.00	10.00	6.00	X
MW-35	W35SSD	08/19/1999	IM40MB	ANTIMONY	13.80	J	UG/L	0.00	10.00	6.00	X
MW-36	W36SSA	08/17/1999	IM40MB	ANTIMONY	6.70	J	UG/L	0.00	10.00	6.00	X
MW-38	W38SSA	08/18/1999	IM40MB	ANTIMONY	7.40		UG/L	0.00	10.00	6.00	X
MW-38	W38M3A	08/18/1999	IM40MB	ANTIMONY	6.60	J	UG/L	52.00	62.00	6.00	X
MW-38	W38DDA	08/17/1999	IM40MB	ANTIMONY	6.90	J	UG/L	124.00	134.00	6.00	X
MW-39	W39M1A	08/18/1999	IM40MB	ANTIMONY	7.50		UG/L	84.00	94.00	6.00	X
MW-50	W50M1A	05/15/2000	IM40MB	ANTIMONY	9.50		UG/L	89.00	99.00	6.00	X
PPAWSMW-3	PPAWSMW-3	08/12/1999	IM40MB	ANTIMONY	6.00	J	UG/L	0.00	10.00	6.00	X
MW-7	W07M1A	09/07/1999	IM40MB	ARSENIC	52.80		UG/L	135.00	140.00	50.00	X
MW-52	W52M3L	08/27/1999	IM40MB	CADMIUM	12.20		UG/L	59.00	64.00	5.00	X
MW-7	W07M1A	09/07/1999	IM40MB	CHROMIUM, TOTAL	114.00		UG/L	135.00	140.00	100.00	X
ASPWELL	ASPWELL	05/24/2001	IM40MB	LEAD	30.40		UG/L	0.00	0.00	15.00	X
MW-2	W02SSA	02/23/1998	IM40MB	LEAD	20.10		UG/L	0.00	10.00	15.00	X
MW-45	W45SSA	08/23/2001	IM40MB	LEAD	42.20		UG/L	0.00	10.00	15.00	X
MW-7	W07M1A	09/07/1999	IM40MB	LEAD	40.20		UG/L	135.00	140.00	15.00	X
MW-7	W07M1D	09/07/1999	IM40MB	LEAD	18.30		UG/L	135.00	140.00	15.00	X
MW-2	W02SSA	02/23/1998	IM40MB	MOLYBDENUM	72.10		UG/L	0.00	10.00	40.00	X
MW-2	W02SSL	02/23/1998	IM40MB	MOLYBDENUM	63.30		UG/L	0.00	10.00	40.00	X
MW-46	W46M2A	03/30/1999	IM40MB	MOLYBDENUM	48.90		UG/L	56.00	66.00	40.00	X
MW-46	W46M2L	03/30/1999	IM40MB	MOLYBDENUM	51.00		UG/L	56.00	66.00	40.00	X
MW-47	W47M3A	03/29/1999	IM40MB	MOLYBDENUM	43.10		UG/L	21.00	31.00	40.00	X
MW-47	W47M3L	03/29/1999	IM40MB	MOLYBDENUM	40.50		UG/L	21.00	31.00	40.00	X
MW-52	W52M3A	04/07/1999	IM40MB	MOLYBDENUM	72.60		UG/L	59.00	64.00	40.00	X
MW-52	W52M3L	04/07/1999	IM40MB	MOLYBDENUM	67.60		UG/L	59.00	64.00	40.00	X
MW-52	W52DDA	04/02/1999	IM40MB	MOLYBDENUM	51.10		UG/L	218.00	228.00	40.00	X

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MW-52	W52DDL	04/02/1999	IM40MB	MOLYBDENUM	48.90		UG/L	218.00	228.00	40.00	X
MW-53	W53M1A	05/03/1999	IM40MB	MOLYBDENUM	122.00		UG/L	99.00	109.00	40.00	X
MW-53	W53M1L	05/03/1999	IM40MB	MOLYBDENUM	132.00		UG/L	99.00	109.00	40.00	X
MW-53	W53M1A	08/30/1999	IM40MB	MOLYBDENUM	55.20		UG/L	99.00	109.00	40.00	X
MW-53	W53M1L	08/30/1999	IM40MB	MOLYBDENUM	54.10		UG/L	99.00	109.00	40.00	X
MW-53	W53M1A	11/05/1999	IM40MB	MOLYBDENUM	41.20		UG/L	99.00	109.00	40.00	X
MW-54	W54SSA	04/30/1999	IM40MB	MOLYBDENUM	56.70		UG/L	0.00	10.00	40.00	X
MW-54	W54SSL	04/30/1999	IM40MB	MOLYBDENUM	66.20		UG/L	0.00	10.00	40.00	X
MW-54	W54SSA	08/27/1999	IM40MB	MOLYBDENUM	61.40		UG/L	0.00	10.00	40.00	X
MW-54	W54M2A	08/27/1999	IM40MB	MOLYBDENUM	43.70		UG/L	59.00	69.00	40.00	X
MW-54	W54M2L	08/27/1999	IM40MB	MOLYBDENUM	43.20		UG/L	59.00	69.00	40.00	X
15MW0002	15MW0002	04/08/1999	IM40MB	SODIUM	37,600.00		UG/L	0.00	10.00	20,000.00	X
90WT0010	90WT0010	06/05/2000	IM40MB	SODIUM	23,600.00		UG/L	2.00	12.00	20,000.00	X
90WT0010	90WT0010-L	06/05/2000	IM40MB	SODIUM	24,200.00		UG/L	2.00	12.00	20,000.00	X
90WT0015	90WT0015	04/23/1999	IM40MB	SODIUM	34,300.00		UG/L	0.00	10.00	20,000.00	X
ASPWELL	ASPWELL	05/24/2001	IM40MB	SODIUM	24,900.00		UG/L	0.00	0.00	20,000.00	X
MW-144	W144SSA	06/18/2001	IM40MB	SODIUM	77,200.00		UG/L	5.00	15.00	20,000.00	X
MW-145	W145SSA	02/12/2001	IM40MB	SODIUM	37,000.00		UG/L	0.00	10.00	20,000.00	X
MW-145	W145SSA	06/20/2001	IM40MB	SODIUM	73,600.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02SSA	02/23/1998	IM40MB	SODIUM	27,200.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02SSL	02/23/1998	IM40MB	SODIUM	26,300.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02SSA	02/01/1999	IM40MB	SODIUM	20,300.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02SSL	02/01/1999	IM40MB	SODIUM	20,100.00		UG/L	0.00	10.00	20,000.00	X
MW-21	W21SSA	11/15/2000	IM40MB	SODIUM	22,500.00		UG/L	0.00	10.00	20,000.00	X
MW-46	W46SSA	08/25/1999	IM40MB	SODIUM	20,600.00		UG/L	0.00	10.00	20,000.00	X
MW-46	W46SSA	06/15/2000	IM40MB	SODIUM	32,200.00		UG/L	0.00	10.00	20,000.00	X
MW-46	W46SSA	09/12/2000	IM40MB	SODIUM	31,300.00		UG/L	0.00	10.00	20,000.00	X
MW-46	W46SSA	11/17/2000	IM40MB	SODIUM	22,500.00	J	UG/L	0.00	10.00	20,000.00	X
MW-46	W46M2A	03/30/1999	IM40MB	SODIUM	23,300.00		UG/L	56.00	66.00	20,000.00	X
MW-46	W46M2L	03/30/1999	IM40MB	SODIUM	24,400.00		UG/L	56.00	66.00	20,000.00	X
MW-54	W54SSA	08/27/1999	IM40MB	SODIUM	33,300.00		UG/L	0.00	10.00	20,000.00	X
MW-57	W57M2A	12/21/1999	IM40MB	SODIUM	23,500.00		UG/L	62.00	72.00	20,000.00	X
MW-57	W57M2A	03/22/2000	IM40MB	SODIUM	24,500.00		UG/L	62.00	72.00	20,000.00	X
MW-57	W57M2A	06/30/2000	IM40MB	SODIUM	25,900.00		UG/L	62.00	72.00	20,000.00	X
MW-57	W57M2A	08/29/2000	IM40MB	SODIUM	23,200.00		UG/L	62.00	72.00	20,000.00	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH MARCH 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-57	W57M1A	12/14/1999	IM40MB	SODIUM	23,700.00		UG/L	102.00	112.00	20,000.00	X
MW-57	W57M1A	03/07/2000	IM40MB	SODIUM	20,900.00		UG/L	102.00	112.00	20,000.00	X
MW-57	W57M1A	07/05/2000	IM40MB	SODIUM	22,200.00		UG/L	102.00	112.00	20,000.00	X
MW-57	W57M1A	08/29/2000	IM40MB	SODIUM	20,100.00		UG/L	102.00	112.00	20,000.00	X
SDW261160	WG160L	01/07/1998	IM40MB	SODIUM	20,600.00		UG/L	10.00	20.00	20,000.00	X
SDW261160	WG160A	01/13/1999	IM40MB	SODIUM	27,200.00		UG/L	10.00	20.00	20,000.00	X
SDW261160	WG160L	01/13/1999	IM40MB	SODIUM	28,200.00		UG/L	10.00	20.00	20,000.00	X
03MW0006	03MW0006	04/15/1999	IM40MB	THALLIUM	2.60	J	UG/L	0.00	10.00	2.00	X
03MW0022A	03MW0022A	04/16/1999	IM40MB	THALLIUM	3.90		UG/L	71.00	76.00	2.00	X
03MW0027A	03MW0027A	04/14/1999	IM40MB	THALLIUM	2.00	J	UG/L	64.00	69.00	2.00	X
11MW0004	11MW0004	04/16/1999	IM40MB	THALLIUM	2.30	J	UG/L	0.00	10.00	2.00	X
27MW0020Z	27MW0020Z	04/16/1999	IM40MB	THALLIUM	2.70	J	UG/L	98.00	103.00	2.00	X
90MW0038	90MW0038	04/21/1999	IM40MB	THALLIUM	4.40	J	UG/L	29.00	34.00	2.00	X
90WT0010	WF10XA	01/16/1998	IM40MB	THALLIUM	6.50	J	UG/L	2.00	12.00	2.00	X
LRWS1-4	WL14XA	01/07/1999	IM40MB	THALLIUM	5.20	J	UG/L	107.00	117.00	2.00	X
MW-1	W01SSA	09/07/1999	IM40MB	THALLIUM	2.90	J	UG/L	0.00	10.00	2.00	X
MW-127	W127SSA	11/15/2000	IM40MB	THALLIUM	2.40	J	UG/L	0.00	10.00	2.00	X
MW-132	W132SSA	02/16/2001	IM40MB	THALLIUM	2.10	J	UG/L	0.00	10.00	2.00	X
MW-150	W150SSA	03/07/2001	IM40MB	THALLIUM	2.20	J	UG/L	1.00	11.00	2.00	X
MW-18	W18SSA	03/12/1999	IM40MB	THALLIUM	2.30	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	09/10/1999	IM40MB	THALLIUM	3.80	J	UG/L	0.00	10.00	2.00	X
MW-19	W19DDL	02/11/1999	IM40MB	THALLIUM	3.10	J	UG/L	254.00	259.00	2.00	X
MW-2	W02DDD	08/02/2000	IM40MB	THALLIUM	4.90	J	UG/L	218.00	223.00	2.00	X
MW-21	W21M2A	11/01/1999	IM40MB	THALLIUM	4.00	J	UG/L	58.00	68.00	2.00	X
MW-23	W23SSA	09/14/1999	IM40MB	THALLIUM	4.70	J	UG/L	0.00	10.00	2.00	X
MW-25	W25SSA	09/14/1999	IM40MB	THALLIUM	5.30	J	UG/L	0.00	10.00	2.00	X
MW-3	W03DDA	12/20/2000	IM40MB	THALLIUM	3.30		UG/L	219.00	224.00	2.00	X
MW-35	W35SSA	12/18/2000	IM40MB	THALLIUM	2.90	J	UG/L	0.00	10.00	2.00	X
MW-37	W37M2A	12/29/1999	IM40MB	THALLIUM	4.90	J	UG/L	26.00	36.00	2.00	X
MW-38	W38M4A	08/18/1999	IM40MB	THALLIUM	2.80	J	UG/L	14.00	24.00	2.00	X
MW-38	W38M2A	05/11/1999	IM40MB	THALLIUM	4.90	J	UG/L	69.00	79.00	2.00	X
MW-39	W39M1A	12/21/2000	IM40MB	THALLIUM	4.00		UG/L	84.00	94.00	2.00	X
MW-41	W41M2A	04/02/1999	IM40MB	THALLIUM	2.50	J	UG/L	67.00	77.00	2.00	X
MW-42	W42M2A	11/19/1999	IM40MB	THALLIUM	4.00	J	UG/L	118.00	128.00	2.00	X
MW-45	W45SSA	05/26/1999	IM40MB	THALLIUM	3.00	J	UG/L	0.00	10.00	2.00	X

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1997 THROUGH MARCH 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-45	W45SSA	08/31/2000	IM40MB	THALLIUM	4.40	J	UG/L	0.00	10.00	2.00	X
MW-46	W46M1A	05/16/2000	IM40MB	THALLIUM	5.30	J	UG/L	103.00	113.00	2.00	X
MW-46	W46DDA	11/02/1999	IM40MB	THALLIUM	5.10	J	UG/L	136.00	146.00	2.00	X
MW-47	W47M3A	08/25/1999	IM40MB	THALLIUM	3.20	J	UG/L	21.00	31.00	2.00	X
MW-47	W47M3A	05/31/2000	IM40MB	THALLIUM	5.00	J	UG/L	21.00	31.00	2.00	X
MW-47	W47M2A	03/26/1999	IM40MB	THALLIUM	3.20	J	UG/L	38.00	48.00	2.00	X
MW-47	W47M2A	08/25/1999	IM40MB	THALLIUM	4.00	J	UG/L	38.00	48.00	2.00	X
MW-47	W47M2A	05/30/2000	IM40MB	THALLIUM	4.50	J	UG/L	38.00	48.00	2.00	X
MW-47	W47M1A	08/24/1999	IM40MB	THALLIUM	2.60	J	UG/L	75.00	85.00	2.00	X
MW-48	W48M3A	02/28/2000	IM40MB	THALLIUM	4.20	J	UG/L	31.00	41.00	2.00	X
MW-48	W48DAA	06/26/2000	IM40MB	THALLIUM	4.70	J	UG/L	121.00	131.00	2.00	X
MW-49	W49SSA	11/19/1999	IM40MB	THALLIUM	4.70	J	UG/L	0.00	10.00	2.00	X
MW-49	W49M3D	06/27/2000	IM40MB	THALLIUM	4.30	J	UG/L	31.00	41.00	2.00	X
MW-50	W50M1A	05/15/2000	IM40MB	THALLIUM	6.20	J	UG/L	89.00	99.00	2.00	X
MW-51	W51M3A	08/25/1999	IM40MB	THALLIUM	4.30	J	UG/L	28.00	38.00	2.00	X
MW-52	W52SSA	08/26/1999	IM40MB	THALLIUM	3.60	J	UG/L	0.00	10.00	2.00	X
MW-52	W52SSA	11/18/1999	IM40MB	THALLIUM	4.30	J	UG/L	0.00	10.00	2.00	X
MW-52	W52SSA	05/23/2000	IM40MB	THALLIUM	4.70	J	UG/L	0.00	10.00	2.00	X
MW-52	W52M3L	04/07/1999	IM40MB	THALLIUM	3.60	J	UG/L	59.00	64.00	2.00	X
MW-52	W52DDA	04/02/1999	IM40MB	THALLIUM	2.80	J	UG/L	218.00	228.00	2.00	X
MW-52	W52DDL	04/02/1999	IM40MB	THALLIUM	2.60	J	UG/L	218.00	228.00	2.00	X
MW-52	W52DDA	08/30/1999	IM40MB	THALLIUM	3.80	J	UG/L	218.00	228.00	2.00	X
MW-53	W53M1A	11/05/1999	IM40MB	THALLIUM	3.40	J	UG/L	99.00	109.00	2.00	X
MW-54	W54SSA	11/08/1999	IM40MB	THALLIUM	7.40	J	UG/L	0.00	10.00	2.00	X
MW-54	W54SSA	06/06/2000	IM40MB	THALLIUM	4.60	J	UG/L	0.00	10.00	2.00	X
MW-54	W54SSA	11/15/2000	IM40MB	THALLIUM	3.10	J	UG/L	0.00	10.00	2.00	X
MW-54	W54M1A	08/30/1999	IM40MB	THALLIUM	2.80	J	UG/L	79.00	89.00	2.00	X
MW-54	W54M1A	11/05/1999	IM40MB	THALLIUM	3.90	J	UG/L	79.00	89.00	2.00	X
MW-55	W55M1A	08/31/1999	IM40MB	THALLIUM	2.50	J	UG/L	89.00	99.00	2.00	X
MW-56	W56SSA	09/05/2000	IM40MB	THALLIUM	4.00	J	UG/L	1.00	11.00	2.00	X
MW-56	W56M3A	09/05/2000	IM40MB	THALLIUM	6.10	J	UG/L	31.00	41.00	2.00	X
MW-56	W56M3D	09/05/2000	IM40MB	THALLIUM	4.40	J	UG/L	31.00	41.00	2.00	X
MW-57	W57M2A	03/22/2000	IM40MB	THALLIUM	4.10	J	UG/L	62.00	72.00	2.00	X
MW-58	W58SSA	05/11/2000	IM40MB	THALLIUM	7.30	J	UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	12/20/2000	IM40MB	THALLIUM	2.00	J	UG/L	0.00	10.00	2.00	X

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1997 THROUGH MARCH 2002

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MW-64	W64M1A	02/07/2000	IM40MB	THALLIUM	4.10	J	UG/L	38.00	48.00	2.00	X
MW-7	W07M2L	02/05/1998	IM40MB	THALLIUM	6.60	J	UG/L	65.00	70.00	2.00	X
MW-7	W07M2A	02/24/1999	IM40MB	THALLIUM	4.40	J	UG/L	65.00	70.00	2.00	X
MW-7	W07MMA	02/23/1999	IM40MB	THALLIUM	4.10	J	UG/L	135.00	140.00	2.00	X
MW-7	W07M1A	09/07/1999	IM40MB	THALLIUM	26.20		UG/L	135.00	140.00	2.00	X
MW-7	W07M1D	09/07/1999	IM40MB	THALLIUM	12.70		UG/L	135.00	140.00	2.00	X
MW-72	W72SSA	05/27/1999	IM40MB	THALLIUM	4.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	12/19/2000	IM40MB	THALLIUM	4.30		UG/L	0.00	10.00	2.00	X
MW-73	W73SSD	12/19/2000	IM40MB	THALLIUM	2.00	J	UG/L	0.00	10.00	2.00	X
MW-83	W83SSA	01/13/2000	IM40MB	THALLIUM	3.60	J	UG/L	0.00	10.00	2.00	X
MW-84	W84SSA	10/21/1999	IM40MB	THALLIUM	3.20	J	UG/L	17.00	27.00	2.00	X
MW-94	W94M2A	01/11/2001	IM40MB	THALLIUM	2.00	J	UG/L	16.00	26.00	2.00	X
MW-94	W94M2A	10/02/2001	IM40MB	THALLIUM	2.30	J	UG/L	16.00	26.00	2.00	X
PPAWSMW-1	PPAWSMW-1	06/22/1999	IM40MB	THALLIUM	3.10	J	UG/L	10.00	20.00	2.00	X
SMR-2	WSMR2A	03/25/1999	IM40MB	THALLIUM	2.00	J	UG/L	19.00	29.00	2.00	X
95-14	W9514A	09/28/1999	IM40MB	ZINC	2,430.00		UG/L	90.00	120.00	2,000.00	X
LRWS5-1	WL51XA	01/25/1999	IM40MB	ZINC	3,980.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51XL	01/25/1999	IM40MB	ZINC	3,770.00		UG/L	66.00	91.00	2,000.00	X
LRWS6-1	WL61XA	01/28/1999	IM40MB	ZINC	2,240.00		UG/L	184.00	199.00	2,000.00	X
LRWS6-1	WL61XL	01/28/1999	IM40MB	ZINC	2,200.00		UG/L	184.00	199.00	2,000.00	X
LRWS7-1	WL71XA	01/22/1999	IM40MB	ZINC	4,160.00		UG/L	186.00	201.00	2,000.00	X
LRWS7-1	WL71XL	01/22/1999	IM40MB	ZINC	4,100.00		UG/L	186.00	201.00	2,000.00	X
ASPWELL	ASPWELL	12/12/2000	IM40PB	LEAD	20.90		UG/L	0.00	0.00	15.00	X
MW-41	W41M1A	08/19/1999	OC21B	2,6-DINITROTOLUENE	5.00	J	UG/L	108.00	118.00	5.00	X
03MW0122A	WS122A	09/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	12.00		UG/L	1.00	11.00	6.00	X
11MW0003	WF143A	02/25/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	9.00		UG/L	0.00	0.00	6.00	X
11MW0003	WF143A	09/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	24.00		UG/L	0.00	0.00	6.00	X
15MW0004	15MW0004	04/09/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	6.00		UG/L	0.00	10.00	6.00	X
15MW0008	15MW0008D	04/12/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	25.00	J	UG/L	0.00	0.00	6.00	X
28MW0106	WL28XA	02/19/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	18.00	J	UG/L	0.00	10.00	6.00	X
28MW0106	WL28XA	03/23/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	26.00		UG/L	0.00	10.00	6.00	X
58MW0002	WC2XXA	02/26/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	36.00		UG/L	4.00	9.00	6.00	X
58MW0005E	WC5EXA	09/27/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	8.00		UG/L	0.00	10.00	6.00	X
58MW0006E	WC6EXA	10/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	59.00		UG/L	0.00	10.00	6.00	X
58MW0006E	WC6EXD	10/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	57.00		UG/L	0.00	10.00	6.00	X

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1997 THROUGH MARCH 2002

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58MW0006E	WC6EXA	01/29/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	6.00		UG/L	0.00	10.00	6.00	X
58MW0007C	WC7CXA	09/28/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	13.00		UG/L	24.00	29.00	6.00	X
90MW0054	WF12XA	10/04/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	13.00	J	UG/L	91.83	96.83	6.00	X
90WT0003	WF03XA	09/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	58.00		UG/L	0.00	10.00	6.00	X
90WT0005	WF05XA	01/13/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	47.00		UG/L	0.00	10.00	6.00	X
90WT0013	WF13XA	01/16/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	34.00		UG/L	0.00	10.00	6.00	X
90WT0013	WF13XA	01/14/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	16.00		UG/L	0.00	10.00	6.00	X
95-14	W9514A	09/28/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	22.00		UG/L	90.00	120.00	6.00	X
97-1	W9701A	11/19/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	54.00	J	UG/L	62.00	72.00	6.00	X
97-1	W9701D	11/19/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	28.00	J	UG/L	62.00	72.00	6.00	X
97-2	W9702A	11/20/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	7.00		UG/L	53.00	63.00	6.00	X
97-3	W9703A	11/21/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	73.00	J	UG/L	36.00	46.00	6.00	X
97-5	W9705A	11/20/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	15.00		UG/L	76.00	86.00	6.00	X
BHW215083	WG083A	11/26/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	13.00		UG/L	16.95	26.95	6.00	X
LRWS1-4	WL14XA	10/06/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	78.00	J	UG/L	107.00	117.00	6.00	X
LRWS2-3	WL23XA	11/21/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	20.00	J	UG/L	68.00	83.00	6.00	X
LRWS2-6	WL26XA	10/20/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	21.00		UG/L	75.00	90.00	6.00	X
LRWS2-6	WL26XA	10/04/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	9.00	J	UG/L	75.00	90.00	6.00	X
LRWS4-1	WL41XA	11/24/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	100.00		UG/L	66.00	91.00	6.00	X
LRWS5-1	WL51XA	11/25/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	7.00		UG/L	66.00	91.00	6.00	X
MW-10	W10SSA	09/16/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	39.00		UG/L	0.00	10.00	6.00	X
MW-11	W11SSA	11/06/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	33.00	J	UG/L	0.00	10.00	6.00	X
MW-11	W11SSD	11/06/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	23.00	J	UG/L	0.00	10.00	6.00	X
MW-12	W12SSA	11/06/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	28.00		UG/L	0.00	10.00	6.00	X
MW-14	W14SSA	11/04/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	14.00		UG/L	0.00	10.00	6.00	X
MW-16	W16SSA	11/17/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	28.00		UG/L	0.00	10.00	6.00	X
MW-16	W16DDA	11/17/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	43.00		UG/L	223.00	228.00	6.00	X
MW-17	W17SSD	11/10/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	120.00	J	UG/L	0.00	10.00	6.00	X
MW-17	W17DDA	11/11/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	42.00		UG/L	196.00	206.00	6.00	X
MW-18	W18SSA	10/10/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	36.00		UG/L	0.00	10.00	6.00	X
MW-18	W18DDA	09/10/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	11.00		UG/L	222.00	232.00	6.00	X
MW-19	W19DDA	03/04/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	7.00		UG/L	254.00	259.00	6.00	X
MW-2	W02M2A	01/20/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	24.00		UG/L	33.00	38.00	6.00	X
MW-2	W02M1A	01/21/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	10.00	J	UG/L	75.00	80.00	6.00	X
MW-2	W02DDA	02/02/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	9.00		UG/L	218.00	223.00	6.00	X

BWTS = DEPTH BELOW WATER TABLE, START DEPTH, MEASURED IN FEET
BWTE = DEPTH BELOW WATER TABLE, END DEPTH, MEASURED IN FEET
DW LIMIT = EITHER THE MCL OR LOWEST HEALTH ADVISORY CONCENTRATION (CHILD, ADULT OR LIFETIME)
>DW LIMIT = EQUALS OR EXCEEDS EITHER THE MCL OR LOWEST HEALTH ADVISORY CONCENTRATION (CHILD, ADULT, OR LIFETIME)

TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH MARCH 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-20	W20SSA	11/07/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	280.00		UG/L	0.00	10.00	6.00	X
MW-21	W21M2A	04/01/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	8.00		UG/L	58.00	68.00	6.00	X
MW-22	W22SSA	11/24/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	96.00		UG/L	0.00	10.00	6.00	X
MW-22	W22SSA	09/20/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	18.00		UG/L	0.00	10.00	6.00	X
MW-23	W23SSA	10/27/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	24.00		UG/L	0.00	10.00	6.00	X
MW-23	W23M3A	11/13/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	10.00		UG/L	34.00	39.00	6.00	X
MW-23	W23M3D	11/13/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	13.00		UG/L	34.00	39.00	6.00	X
MW-24	W24SSA	11/14/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	8.00		UG/L	0.00	10.00	6.00	X
MW-27	W27SSA	09/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	9.00		UG/L	0.00	10.00	6.00	X
MW-28	W28SSA	11/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	11.00		UG/L	0.00	10.00	6.00	X
MW-28	W28SSA	09/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	150.00	J	UG/L	0.00	10.00	6.00	X
MW-29	W29SSA	11/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	16.00		UG/L	0.00	10.00	6.00	X
MW-29	W29SSA	09/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	20.00		UG/L	0.00	10.00	6.00	X
MW-36	W36M2A	08/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	8.00		UG/L	54.00	64.00	6.00	X
MW-38	W38M3A	05/06/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	15.00		UG/L	52.00	62.00	6.00	X
MW-4	W04SSA	11/04/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	30.00		UG/L	0.00	10.00	6.00	X
MW-41	W41M2A	11/12/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	7.00		UG/L	67.00	77.00	6.00	X
MW-43	W43M1A	05/26/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	6.00		UG/L	90.00	100.00	6.00	X
MW-44	W44M1A	09/20/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	14.00		UG/L	53.00	63.00	6.00	X
MW-45	W45M1A	05/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	37.00		UG/L	98.00	108.00	6.00	X
MW-46	W46M1A	11/01/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	6.00	J	UG/L	103.00	113.00	6.00	X
MW-46	W46DDA	11/02/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	14.00	J	UG/L	136.00	146.00	6.00	X
MW-47	W47M1A	08/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	14.00		UG/L	75.00	85.00	6.00	X
MW-47	W47DDA	08/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	16.00		UG/L	100.00	110.00	6.00	X
MW-49	W49SSA	03/01/2000	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	290.00		UG/L	0.00	10.00	6.00	X
MW-5	W05DDA	02/13/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	9.00	J	UG/L	223.00	228.00	6.00	X
MW-52	W52M3A	08/27/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	7.00	J	UG/L	59.00	64.00	6.00	X
MW-53	W53M1A	08/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	31.00		UG/L	99.00	109.00	6.00	X
MW-53	W53DDA	02/18/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	18.00		UG/L	158.00	168.00	6.00	X
MW-55	W55DDA	05/13/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	8.00		UG/L	119.00	129.00	6.00	X
MW-57	W57SSA	12/21/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	3,300.00	J	UG/L	0.00	10.00	6.00	X
MW-57	W57M2A	06/30/2000	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	7.00		UG/L	62.00	72.00	6.00	X
MW-57	W57DDA	12/13/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	95.00		UG/L	127.00	137.00	6.00	X
MW-7	W07SSA	10/31/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	10.00		UG/L	0.00	10.00	6.00	X
MW-70	W70M1A	10/27/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	10.00		UG/L	129.00	139.00	6.00	X

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DW LIMIT = EITHER THE MCL OR LOWEST HEALTH ADVISORY CONCENTRATION (CHILD, ADULT OR LIFETIME)
>DW LIMIT = EQUALS OR EXCEEDS EITHER THE MCL OR LOWEST HEALTH ADVISORY CONCENTRATION (CHILD, ADULT, OR LIFETIME)

TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH MARCH 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-84	W84DDA	03/03/2000	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	30.00		UG/L	153.00	163.00	6.00	X
RW-1	WRW1XA	02/18/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	59.00		UG/L	0.00	9.00	6.00	X
RW-1	WRW1XD	10/06/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	11.00	J	UG/L	0.00	9.00	6.00	X
90MW0003	WF03MA	10/07/1999	OC21V	1,2-DICHLOROETHANE	5.00		UG/L	52.11	57.11	5.00	X
03MW0007A	03MW0007A	04/13/1999	OC21V	TETRACHLOROETHYLENE(P	6.00		UG/L	21.00	26.00	5.00	X
03MW0014A	03MW0014A	04/13/1999	OC21V	TETRACHLOROETHYLENE(P	8.00		UG/L	38.00	43.00	5.00	X
03MW0020	03MW0020	04/14/1999	OC21V	TETRACHLOROETHYLENE(P	12.00		UG/L	36.00	41.00	5.00	X
MW-45	W45SSA	11/16/1999	OC21V	TOLUENE	1,000.00		UG/L	0.00	10.00	1,000.00	X
MW-45	W45SSA	05/29/2000	OC21V	TOLUENE	1,100.00		UG/L	0.00	10.00	1,000.00	X
MW-45	W45SSA	12/27/2000	OC21V	TOLUENE	1,300.00		UG/L	0.00	10.00	1,000.00	X
27MW0017B	27MW0017B	04/30/1999	OC21V	VINYL CHLORIDE	2.00		UG/L	21.00	26.00	2.00	X
PPAWSMW-1	PPAWSMW-1	06/22/1999	OL21P	DIELDRIN	3.00		UG/L	10.00	20.00	0.50	X
MW-142	W142M2A	01/29/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	11.00		UG/L	100.00	110.00	6.00	X
MW-142	W142M1A	01/29/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	20.00		UG/L	185.00	195.00	6.00	X
MW-146	W146M1A	02/23/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	8.40		UG/L	75.00	80.00	6.00	X
MW-146	W146M1A	06/19/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	8.20		UG/L	75.00	80.00	6.00	X
MW-157	W157DDA	05/03/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	8.10		UG/L	199.00	209.00	6.00	X
MW-168	W168M2A	06/05/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	9.00		UG/L	116.00	126.00	6.00	X
MW-168	W168M1A	06/04/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	6.70		UG/L	174.00	184.00	6.00	X
MW-28	W28M1A	01/12/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	9.70		UG/L	173.00	183.00	6.00	X
MW-55	W55DDA	07/31/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	6.40		UG/L	119.00	129.00	6.00	X
MW-82	W82DDA	08/22/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	24.00		UG/L	97.00	107.00	6.00	X

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DW LIMIT = EITHER THE MCL OR LOWEST HEALTH ADVISORY CONCENTRATION (CHILD, ADULT OR LIFETIME)
>DW LIMIT = EQUALS OR EXCEEDS EITHER THE MCL OR LOWEST HEALTH ADVISORY CONCENTRATION (CHILD, ADULT, OR LIFETIME)

TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 2/15/02 - 03/31/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G02-01DDE	FIELDQC	03/12/2002	FIELDQC	0.00	0.00			OC21V	ACETONE	
G02-02DDF	FIELDQC	03/11/2002	FIELDQC	0.00	0.00			OC21V	BROMODICHLOROMETHANE	
G02-02DDF	FIELDQC	03/11/2002	FIELDQC	0.00	0.00			OC21V	CHLOROFORM	
G02-02DDF	FIELDQC	03/11/2002	FIELDQC	0.00	0.00			OC21V	DIBROMOCHLOROMETHANE	
G02-03DBE	FIELDQC	03/19/2002	FIELDQC	0.00	0.00			OC21V	ACETONE	
G02-03DBE	FIELDQC	03/19/2002	FIELDQC	0.00	0.00			OC21V	METHYL ETHYL KETONE (2-BUTA	
4036000-01G	4036000-01G	03/27/2002	GROUNDWATER					OC21V	CHLOROFORM	
4036000-03G	4036000-03G	03/27/2002	GROUNDWATER					E314.0	PERCHLORATE	
4036000-03G	4036000-03G	03/20/2002	GROUNDWATER					OC21V	CHLOROFORM	
4036000-04G	4036000-04G	03/13/2002	GROUNDWATER					E314.0	PERCHLORATE	
4036000-04G	4036000-04G	03/19/2002	GROUNDWATER					OC21V	CHLOROFORM	
4036000-06G	4036000-06G	03/27/2002	GROUNDWATER					E314.0	PERCHLORATE	
4036000-06G	4036000-06G	03/20/2002	GROUNDWATER					OC21V	CHLOROFORM	
4261020-01G	4261020-01G	03/06/2002	GROUNDWATER					OC21V	CHLOROFORM	
97-1	97-1	03/26/2002	GROUNDWATER	83.00	93.00	62.00	72.00	OC21V	CHLOROFORM	
97-2	97-2	03/26/2002	GROUNDWATER	53.00	63.00	53.00	63.00	E314.0	PERCHLORATE	
97-2	97-2	03/26/2002	GROUNDWATER	53.00	63.00	53.00	63.00	OC21V	CHLOROFORM	
97-3	97-3	03/27/2002	GROUNDWATER	75.00	85.00	36.00	46.00	OC21V	CHLOROFORM	
97-3	97-3	03/27/2002	GROUNDWATER	75.00	85.00	36.00	46.00	OC21V	TRICHLOROETHYLENE (TCE)	
97-3D	97-3	03/27/2002	GROUNDWATER	75.00	85.00	34.10	44.10	OC21V	CHLOROFORM	
97-3D	97-3	03/27/2002	GROUNDWATER	75.00	85.00	34.10	44.10	OC21V	TRICHLOROETHYLENE (TCE)	
97-5	97-5	02/25/2002	GROUNDWATER	84.00	94.00	76.00	86.00	E314.0	PERCHLORATE	
97-5	97-5	03/12/2002	GROUNDWATER	84.00	94.00	76.00	86.00	E314.0	PERCHLORATE	
97-5	97-5	03/26/2002	GROUNDWATER	84.00	94.00	76.00	86.00	E314.0	PERCHLORATE	
97-5	97-5	03/26/2002	GROUNDWATER	84.00	94.00	76.00	86.00	OC21V	CHLOROFORM	
SANDHATCH1-A	SANDHATCH1-A	03/06/2002	GROUNDWATER					OC21V	CHLOROFORM	
SANDHATCH1-B	SANDHATCH1-B	03/06/2002	GROUNDWATER					OC21V	CHLOROFORM	
SANDHATCH1-C	SANDHATCH1-C	03/06/2002	GROUNDWATER					OC21V	CHLOROFORM	
SANDHATCH1-D	SANDHATCH1-D	03/06/2002	GROUNDWATER					OC21V	CHLOROFORM	
TW01-1A	01-1	03/22/2002	GROUNDWATER		54.00		47.00	OC21V	CHLOROFORM	
TW01-2A	01-2	03/25/2002	GROUNDWATER		47.00		21.20	OC21V	CHLOROFORM	

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
* = Interference in sample

TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 2/15/02 - 03/31/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
TW01-2D	01-2	03/25/2002	GROUNDWATER		47.00		21.20	E314.0	PERCHLORATE	
TW01-2D	01-2	03/25/2002	GROUNDWATER		47.00		21.20	OC21V	CHLOROFORM	
TW1-88AA	1-88	03/21/2002	GROUNDWATER		02.90		67.40	E314.0	PERCHLORATE	
TW1-88AA	1-88	03/21/2002	GROUNDWATER		02.90		67.40	OC21V	ACETONE	
TW1-88AA	1-88	03/21/2002	GROUNDWATER		02.90		67.40	OC21V	CHLOROFORM	
TW1-88AA	1-88	03/21/2002	GROUNDWATER		02.90		67.40	OC21V	TOLUENE	
TW1-88BA	1-88	03/20/2002	GROUNDWATER		05.50		69.60	8330N	PICRIC ACID	NO
TW1-88BA	1-88	03/20/2002	GROUNDWATER		05.50		69.60	OC21V	ACETONE	
TW1-88BA	1-88	03/20/2002	GROUNDWATER		05.50		69.60	OC21V	CHLOROMETHANE	
TW1-88BA	1-88	03/20/2002	GROUNDWATER		05.50		69.60	OC21V	METHYL ETHYL KETONE (2-BUTA	
TW1-88BA	1-88	03/20/2002	GROUNDWATER		05.50		69.60	OC21V	TOLUENE	
W163SSA	MW-163	03/07/2002	GROUNDWATER	38.00	48.00	0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W163SSA	MW-163	03/07/2002	GROUNDWATER	38.00	48.00	0.00	10.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W163SSA	MW-163	03/07/2002	GROUNDWATER	38.00	48.00	0.00	10.00	E314.0	PERCHLORATE	
W173M3A	MW-173	03/12/2002	GROUNDWATER	243.00	53.00	72.20	82.20	E314.0	PERCHLORATE	
W176M1A	MW-176	03/08/2002	GROUNDWATER	270.00	80.00	158.55	168.55	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W178M1A	MW-178	03/08/2002	GROUNDWATER	257.00	67.00	117.00	127.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W181SSA	MW-181	03/08/2002	GROUNDWATER	32.25	42.25	0.00	10.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W201M1A	MW-201	03/14/2002	GROUNDWATER	306.00	16.00	108.10	118.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W201M2A	MW-201	03/13/2002	GROUNDWATER	286.00	96.00	88.20	98.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W80M1A	MW-80	02/27/2002	GROUNDWATER	130.00	40.00	86.00	96.00	E314.0	PERCHLORATE	
W80M2A	MW-80	02/28/2002	GROUNDWATER	100.00	10.00	56.00	66.00	E314.0	PERCHLORATE	
W80M2A	MW-80	03/28/2002	GROUNDWATER	100.00	10.00	56.00	66.00	OC21V	CHLOROFORM	
W80M3A	MW-80	03/27/2002	GROUNDWATER	70.00	80.00	26.00	36.00	OC21V	CHLOROFORM	
W80SSA	MW-80	03/27/2002	GROUNDWATER	43.00	53.00	0.00	10.00	E314.0	PERCHLORATE	
W81DDA	MW-81	03/28/2002	GROUNDWATER	184.00	94.00	156.00	166.00	OC21V	CHLOROFORM	
W81M1A	MW-81	03/27/2002	GROUNDWATER	128.00	38.00	100.00	110.00	OC21V	CHLOROFORM	
W81M2A	MW-81	03/28/2002	GROUNDWATER	83.00	93.00	55.00	65.00	OC21V	CHLOROFORM	
W81SSA	MW-81	03/28/2002	GROUNDWATER	25.00	35.00	0.00	10.00	OC21V	CHLOROFORM	
G02-01DAA	02-01	03/05/2002	PROFILE	55.00	60.00	0.20	4.80	8330N	1,3,5-TRINITROBENZENE	NO
G02-01DAA	02-01	03/05/2002	PROFILE	55.00	60.00	0.20	4.80	8330N	3-NITROTOLUENE	NO*

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SAMPLES COLLECTED 2/15/02 - 03/31/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G02-01DAA	02-01	03/05/2002	PROFILE	55.00	60.00	0.20	4.80	8330N	4-NITROTOLUENE	NO
G02-01DAA	02-01	03/05/2002	PROFILE	55.00	60.00	0.20	4.80	8330N	NITROGLYCERIN	NO
G02-01DAA	02-01	03/05/2002	PROFILE	55.00	60.00	0.20	4.80	8330N	PENTAERYTHRITOL TETRANITRA	NO
G02-01DAA	02-01	03/05/2002	PROFILE	55.00	60.00	0.20	4.80	OC21V	ACETONE	
G02-01DAA	02-01	03/05/2002	PROFILE	55.00	60.00	0.20	4.80	OC21V	CHLOROFORM	
G02-01DAA	02-01	03/05/2002	PROFILE	55.00	60.00	0.20	4.80	OC21V	CHLOROMETHANE	
G02-01DBA	02-01	03/06/2002	PROFILE	65.00	70.00	9.80	14.80	OC21V	CHLOROFORM	
G02-01DDA	02-01	03/07/2002	PROFILE	85.00	90.00	29.80	34.80	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G02-01DDA	02-01	03/07/2002	PROFILE	85.00	90.00	29.80	34.80	OC21V	1,2,4-TRICHLOROBENZENE	
G02-01DDA	02-01	03/07/2002	PROFILE	85.00	90.00	29.80	34.80	OC21V	1,2-DICHLOROBENZENE	
G02-01DDA	02-01	03/07/2002	PROFILE	85.00	90.00	29.80	34.80	OC21V	1,4-DICHLOROBENZENE	
G02-01DDA	02-01	03/07/2002	PROFILE	85.00	90.00	29.80	34.80	OC21V	ACETONE	
G02-01DDA	02-01	03/07/2002	PROFILE	85.00	90.00	29.80	34.80	OC21V	BENZENE	
G02-01DDA	02-01	03/07/2002	PROFILE	85.00	90.00	29.80	34.80	OC21V	CHLOROBENZENE	
G02-01DDA	02-01	03/07/2002	PROFILE	85.00	90.00	29.80	34.80	OC21V	CHLOROFORM	
G02-01DDA	02-01	03/07/2002	PROFILE	85.00	90.00	29.80	34.80	OC21V	CHLOROMETHANE	
G02-01DDA	02-01	03/07/2002	PROFILE	85.00	90.00	29.80	34.80	OC21V	ETHYLBENZENE	
G02-01DDA	02-01	03/07/2002	PROFILE	85.00	90.00	29.80	34.80	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-01DDA	02-01	03/07/2002	PROFILE	85.00	90.00	29.80	34.80	OC21V	TETRACHLOROETHYLENE(PCE)	
G02-01DDA	02-01	03/07/2002	PROFILE	85.00	90.00	29.80	34.80	OC21V	TOLUENE	
G02-01DDA	02-01	03/07/2002	PROFILE	85.00	90.00	29.80	34.80	OC21V	TRICHLOROETHYLENE (TCE)	
G02-01DDA	02-01	03/07/2002	PROFILE	85.00	90.00	29.80	34.80	OC21V	XYLENES, TOTAL	
G02-01DEA	02-01	03/08/2002	PROFILE	95.00	00.00	39.80	44.80	OC21V	1,2-DICHLOROBENZENE	
G02-01DEA	02-01	03/08/2002	PROFILE	95.00	00.00	39.80	44.80	OC21V	1,4-DICHLOROBENZENE	
G02-01DEA	02-01	03/08/2002	PROFILE	95.00	00.00	39.80	44.80	OC21V	ACETONE	
G02-01DEA	02-01	03/08/2002	PROFILE	95.00	00.00	39.80	44.80	OC21V	CHLOROBENZENE	
G02-01DEA	02-01	03/08/2002	PROFILE	95.00	00.00	39.80	44.80	OC21V	CHLOROFORM	
G02-01DEA	02-01	03/08/2002	PROFILE	95.00	00.00	39.80	44.80	OC21V	TOLUENE	
G02-01DFA	02-01	03/08/2002	PROFILE	105.00	10.00	49.80	54.80	8330N	3-NITROTOLUENE	NO
G02-01DFA	02-01	03/08/2002	PROFILE	105.00	10.00	49.80	54.80	OC21V	1,2-DICHLOROBENZENE	
G02-01DFA	02-01	03/08/2002	PROFILE	105.00	10.00	49.80	54.80	OC21V	1,4-DICHLOROBENZENE	

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G02-01DFA	02-01	03/08/2002	PROFILE	105.00	10.00	49.80	54.80	OC21V	ACETONE	
G02-01DFA	02-01	03/08/2002	PROFILE	105.00	10.00	49.80	54.80	OC21V	CHLOROFORM	
G02-01DFA	02-01	03/08/2002	PROFILE	105.00	10.00	49.80	54.80	OC21V	TOLUENE	
G02-02DAA	02-02	03/11/2002	PROFILE	55.00	60.00	3.50	8.50	E314.0	PERCHLORATE	
G02-02DAA	02-02	03/11/2002	PROFILE	55.00	60.00	3.50	8.50	OC21V	ACETONE	
G02-02DAA	02-02	03/11/2002	PROFILE	55.00	60.00	3.50	8.50	OC21V	CHLOROFORM	
G02-02DBA	02-02	03/11/2002	PROFILE	65.00	70.00	13.50	18.50	E314.0	PERCHLORATE	
G02-02DBA	02-02	03/11/2002	PROFILE	65.00	70.00	13.50	18.50	OC21V	CHLOROFORM	
G02-02DCA	02-02	03/11/2002	PROFILE	75.00	80.00	23.50	28.50	E314.0	PERCHLORATE	
G02-02DCA	02-02	03/11/2002	PROFILE	75.00	80.00	23.50	28.50	OC21V	CHLOROFORM	
G02-02DDA	02-02	03/11/2002	PROFILE	85.00	90.00	33.50	38.50	E314.0	PERCHLORATE	
G02-02DDA	02-02	03/11/2002	PROFILE	85.00	90.00	33.50	38.50	OC21V	CHLOROFORM	
G02-02DEA	02-02	03/12/2002	PROFILE	95.00	00.00	43.50	48.50	E314.0	PERCHLORATE	
G02-02DEA	02-02	03/12/2002	PROFILE	95.00	00.00	43.50	48.50	OC21V	CHLOROFORM	
G02-02DFA	02-02	03/12/2002	PROFILE	105.00	10.00	53.50	58.50	E314.0	PERCHLORATE	
G02-02DFA	02-02	03/12/2002	PROFILE	105.00	10.00	53.50	58.50	OC21V	CHLOROFORM	
G02-02DGA	02-02	03/12/2002	PROFILE	115.00	20.00	63.50	68.50	OC21V	CHLOROFORM	
G02-02DHA	02-02	03/12/2002	PROFILE	120.00	25.00	68.50	73.50	8330N	1,3,5-TRINITROBENZENE	YES
G02-02DHA	02-02	03/12/2002	PROFILE	120.00	25.00	68.50	73.50	8330N	1,3-DINITROBENZENE	NO
G02-02DHA	02-02	03/12/2002	PROFILE	120.00	25.00	68.50	73.50	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO	NO
G02-02DHA	02-02	03/12/2002	PROFILE	120.00	25.00	68.50	73.50	OC21V	ACETONE	
G02-02DHA	02-02	03/12/2002	PROFILE	120.00	25.00	68.50	73.50	OC21V	CHLOROFORM	
G02-03DAA	02-03	03/19/2002	PROFILE	42.00	45.00	0.00	3.00	8330N	NITROGLYCERIN	NO
G02-03DAA	02-03	03/19/2002	PROFILE	42.00	45.00	0.00	3.00	OC21V	ACETONE	
G02-03DAA	02-03	03/19/2002	PROFILE	42.00	45.00	0.00	3.00	OC21V	CHLOROFORM	
G02-03DAA	02-03	03/19/2002	PROFILE	42.00	45.00	0.00	3.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-03DBA	02-03	03/19/2002	PROFILE	50.00	50.00	8.00	8.00	8330N	NITROGLYCERIN	NO
G02-03DBA	02-03	03/19/2002	PROFILE	50.00	50.00	8.00	8.00	OC21V	ACETONE	
G02-03DBA	02-03	03/19/2002	PROFILE	50.00	50.00	8.00	8.00	OC21V	CHLOROFORM	
G02-03DBA	02-03	03/19/2002	PROFILE	50.00	50.00	8.00	8.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-03DCA	02-03	03/19/2002	PROFILE	60.00	60.00	18.00	18.00	8330N	NITROGLYCERIN	NO

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G02-03DCA	02-03	03/19/2002	PROFILE	60.00	60.00	18.00	18.00	OC21V	ACETONE	
G02-03DCA	02-03	03/19/2002	PROFILE	60.00	60.00	18.00	18.00	OC21V	CHLOROFORM	
G02-03DCA	02-03	03/19/2002	PROFILE	60.00	60.00	18.00	18.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-03DDA	02-03	03/20/2002	PROFILE	70.00	70.00	28.00	28.00	OC21V	ACETONE	
G02-03DDA	02-03	03/20/2002	PROFILE	70.00	70.00	28.00	28.00	OC21V	CHLOROFORM	
G02-03DDA	02-03	03/20/2002	PROFILE	70.00	70.00	28.00	28.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-03DEA	02-03	03/20/2002	PROFILE	80.00	80.00	38.00	38.00	E314.0	PERCHLORATE	
G02-03DEA	02-03	03/20/2002	PROFILE	80.00	80.00	38.00	38.00	OC21V	CHLOROFORM	
G02-03DFA	02-03	03/20/2002	PROFILE	90.00	90.00	48.00	48.00	OC21V	ACETONE	
G02-03DFA	02-03	03/20/2002	PROFILE	90.00	90.00	48.00	48.00	OC21V	CHLOROFORM	
G02-03DFA	02-03	03/20/2002	PROFILE	90.00	90.00	48.00	48.00	OC21V	CHLOROMETHANE	
G02-03DFA	02-03	03/20/2002	PROFILE	90.00	90.00	48.00	48.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-03DGA	02-03	03/20/2002	PROFILE	100.00	00.00	58.00	58.00	OC21V	ACETONE	
G02-03DGA	02-03	03/20/2002	PROFILE	100.00	00.00	58.00	58.00	OC21V	CHLOROFORM	
G02-03DGA	02-03	03/20/2002	PROFILE	100.00	00.00	58.00	58.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-03DHA	02-03	03/20/2002	PROFILE	110.00	10.00	68.00	68.00	OC21V	ACETONE	
G02-03DHA	02-03	03/20/2002	PROFILE	110.00	10.00	68.00	68.00	OC21V	CHLOROFORM	
G02-03DHA	02-03	03/20/2002	PROFILE	110.00	10.00	68.00	68.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-03DIA	02-03	03/20/2002	PROFILE	120.00	20.00	78.00	78.00	OC21V	ACETONE	
G02-03DIA	02-03	03/20/2002	PROFILE	120.00	20.00	78.00	78.00	OC21V	CHLOROFORM	
G02-03DIA	02-03	03/20/2002	PROFILE	120.00	20.00	78.00	78.00	OC21V	CHLOROMETHANE	
G02-03DIA	02-03	03/20/2002	PROFILE	120.00	20.00	78.00	78.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-03DJA	02-03	03/20/2002	PROFILE	13.00	30.00	88.00	88.00	OC21V	CHLOROFORM	
G02-03DKA	02-03	03/21/2002	PROFILE	138.50	38.50	98.00	98.00	8330N	2,4,6-TRINITROTOLUENE	NO
G02-03DKA	02-03	03/21/2002	PROFILE	138.50	38.50	98.00	98.00	8330N	2,4-DINITROTOLUENE	NO
G02-03DKA	02-03	03/21/2002	PROFILE	138.50	38.50	98.00	98.00	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G02-03DKA	02-03	03/21/2002	PROFILE	138.50	38.50	98.00	98.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G02-03DKA	02-03	03/21/2002	PROFILE	138.50	38.50	98.00	98.00	8330N	NITROGLYCERIN	NO
G02-03DKA	02-03	03/21/2002	PROFILE	138.50	38.50	98.00	98.00	8330N	PENTAERYTHRITOL TETRANITRA	NO
G02-03DKA	02-03	03/21/2002	PROFILE	138.50	38.50	98.00	98.00	8330N	PICRIC ACID	NO
G02-03DKA	02-03	03/21/2002	PROFILE	138.50	38.50	98.00	98.00	OC21V	ACETONE	

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G02-03DKA	02-03	03/21/2002	PROFILE	138.50	38.50	98.00	98.00	OC21V	CHLOROFORM	
G02-03DKA	02-03	03/21/2002	PROFILE	138.50	38.50	98.00	98.00	OC21V	CHLOROMETHANE	
G02-03DKA	02-03	03/21/2002	PROFILE	138.50	38.50	98.00	98.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-05DAA	02-05	03/22/2002	PROFILE	35.00	35.00	7.00	7.00	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G02-05DAA	02-05	03/22/2002	PROFILE	35.00	35.00	7.00	7.00	8330N	NITROBENZENE	NO
G02-05DAA	02-05	03/22/2002	PROFILE	35.00	35.00	7.00	7.00	8330N	NITROGLYCERIN	NO
G02-05DAA	02-05	03/22/2002	PROFILE	35.00	35.00	7.00	7.00	8330N	PICRIC ACID	NO
G02-05DAA	02-05	03/22/2002	PROFILE	35.00	35.00	7.00	7.00	OC21V	2-HEXANONE	
G02-05DAA	02-05	03/22/2002	PROFILE	35.00	35.00	7.00	7.00	OC21V	ACETONE	
G02-05DAA	02-05	03/22/2002	PROFILE	35.00	35.00	7.00	7.00	OC21V	CHLOROETHANE	
G02-05DAA	02-05	03/22/2002	PROFILE	35.00	35.00	7.00	7.00	OC21V	CHLOROFORM	
G02-05DAA	02-05	03/22/2002	PROFILE	35.00	35.00	7.00	7.00	OC21V	CHLOROMETHANE	
G02-05DAA	02-05	03/22/2002	PROFILE	35.00	35.00	7.00	7.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-05DAA	02-05	03/22/2002	PROFILE	35.00	35.00	7.00	7.00	OC21V	METHYL ISOBUTYL KETONE (4-M	
G02-05DBA	02-05	03/22/2002	PROFILE	40.00	40.00	12.00	12.00	OC21V	2-HEXANONE	
G02-05DBA	02-05	03/22/2002	PROFILE	40.00	40.00	12.00	12.00	OC21V	ACETONE	
G02-05DBA	02-05	03/22/2002	PROFILE	40.00	40.00	12.00	12.00	OC21V	CHLOROETHANE	
G02-05DBA	02-05	03/22/2002	PROFILE	40.00	40.00	12.00	12.00	OC21V	CHLOROFORM	
G02-05DBA	02-05	03/22/2002	PROFILE	40.00	40.00	12.00	12.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-05DCA	02-05	03/22/2002	PROFILE	50.00	50.00	22.00	22.00	E314.0	PERCHLORATE	
G02-05DCA	02-05	03/22/2002	PROFILE	50.00	50.00	22.00	22.00	OC21V	ACETONE	
G02-05DCA	02-05	03/22/2002	PROFILE	50.00	50.00	22.00	22.00	OC21V	CHLOROFORM	
G02-05DCA	02-05	03/22/2002	PROFILE	50.00	50.00	22.00	22.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-05DDA	02-05	03/22/2002	PROFILE	60.00	60.00	32.00	32.00	E314.0	PERCHLORATE	
G02-05DDA	02-05	03/22/2002	PROFILE	60.00	60.00	32.00	32.00	OC21V	2-HEXANONE	
G02-05DDA	02-05	03/22/2002	PROFILE	60.00	60.00	32.00	32.00	OC21V	ACETONE	
G02-05DDA	02-05	03/22/2002	PROFILE	60.00	60.00	32.00	32.00	OC21V	CHLOROETHANE	
G02-05DDA	02-05	03/22/2002	PROFILE	60.00	60.00	32.00	32.00	OC21V	CHLOROFORM	
G02-05DDA	02-05	03/22/2002	PROFILE	60.00	60.00	32.00	32.00	OC21V	CHLOROMETHANE	
G02-05DDA	02-05	03/22/2002	PROFILE	60.00	60.00	32.00	32.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-05DEA	02-05	03/22/2002	PROFILE	70.00	70.00	42.00	42.00	E314.0	PERCHLORATE	

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TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 2/15/02 - 03/31/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G02-05DEA	02-05	03/22/2002	PROFILE	70.00	70.00	42.00	42.00	OC21V	ACETONE	
G02-05DEA	02-05	03/22/2002	PROFILE	70.00	70.00	42.00	42.00	OC21V	CHLOROFORM	
G02-05DEA	02-05	03/22/2002	PROFILE	70.00	70.00	42.00	42.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-05DFA	02-05	03/22/2002	PROFILE	80.00	80.00	52.00	52.00	E314.0	PERCHLORATE	
G02-05DFA	02-05	03/22/2002	PROFILE	80.00	80.00	52.00	52.00	OC21V	ACETONE	
G02-05DFA	02-05	03/22/2002	PROFILE	80.00	80.00	52.00	52.00	OC21V	CHLOROFORM	
G02-05DFA	02-05	03/22/2002	PROFILE	80.00	80.00	52.00	52.00	OC21V	CHLOROMETHANE	
G02-05DFA	02-05	03/22/2002	PROFILE	80.00	80.00	52.00	52.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-05DGA	02-05	03/22/2002	PROFILE	90.00	90.00	62.00	62.00	E314.0	PERCHLORATE	
G02-05DGA	02-05	03/22/2002	PROFILE	90.00	90.00	62.00	62.00	OC21V	ACETONE	
G02-05DGA	02-05	03/22/2002	PROFILE	90.00	90.00	62.00	62.00	OC21V	CHLOROFORM	
G02-05DGA	02-05	03/22/2002	PROFILE	90.00	90.00	62.00	62.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-05DHA	02-05	03/22/2002	PROFILE	100.00	00.00	72.00	72.00	E314.0	PERCHLORATE	
G02-05DHA	02-05	03/22/2002	PROFILE	100.00	00.00	72.00	72.00	OC21V	ACETONE	
G02-05DHA	02-05	03/22/2002	PROFILE	100.00	00.00	72.00	72.00	OC21V	CHLOROFORM	
G02-05DHA	02-05	03/22/2002	PROFILE	100.00	00.00	72.00	72.00	OC21V	CHLOROMETHANE	
G02-05DHA	02-05	03/22/2002	PROFILE	100.00	00.00	72.00	72.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-05DIA	02-05	03/22/2002	PROFILE	110.00	10.00	82.00	82.00	E314.0	PERCHLORATE	
G02-05DIA	02-05	03/22/2002	PROFILE	110.00	10.00	82.00	82.00	OC21V	ACETONE	
G02-05DIA	02-05	03/22/2002	PROFILE	110.00	10.00	82.00	82.00	OC21V	CHLOROFORM	
G02-05DIA	02-05	03/22/2002	PROFILE	110.00	10.00	82.00	82.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-05DJA	02-05	03/22/2002	PROFILE	120.00	20.00	92.00	92.00	E314.0	PERCHLORATE	
G02-05DJA	02-05	03/22/2002	PROFILE	120.00	20.00	92.00	92.00	OC21V	ACETONE	
G02-05DJA	02-05	03/22/2002	PROFILE	120.00	20.00	92.00	92.00	OC21V	CHLOROFORM	
G02-05DJA	02-05	03/22/2002	PROFILE	120.00	20.00	92.00	92.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-05DKA	02-05	03/25/2002	PROFILE	130.00	30.00	102.00	102.00	OC21V	ACETONE	
G02-05DKA	02-05	03/25/2002	PROFILE	130.00	30.00	102.00	102.00	OC21V	CHLOROFORM	
G02-05DKA	02-05	03/25/2002	PROFILE	130.00	30.00	102.00	102.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-09DAA	02-09	03/26/2002	PROFILE	12.00	12.00	2.90	2.90	E314.0	PERCHLORATE	
G02-09DAA	02-09	03/26/2002	PROFILE	12.00	12.00	2.90	2.90	OC21V	ACETONE	
G02-09DAA	02-09	03/26/2002	PROFILE	12.00	12.00	2.90	2.90	OC21V	CHLOROFORM	

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G02-09DAA	02-09	03/26/2002	PROFILE	12.00	12.00	2.90	2.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-09DBA	02-09	03/27/2002	PROFILE	20.00	20.00	10.90	10.90	8330N	1,3-DINITROBENZENE	NO
G02-09DBA	02-09	03/27/2002	PROFILE	20.00	20.00	10.90	10.90	8330N	NITROGLYCERIN	NO
G02-09DBA	02-09	03/27/2002	PROFILE	20.00	20.00	10.90	10.90	E314.0	PERCHLORATE	
G02-09DBA	02-09	03/27/2002	PROFILE	20.00	20.00	10.90	10.90	OC21V	ACETONE	
G02-09DBA	02-09	03/27/2002	PROFILE	20.00	20.00	10.90	10.90	OC21V	CHLOROETHANE	
G02-09DBA	02-09	03/27/2002	PROFILE	20.00	20.00	10.90	10.90	OC21V	CHLOROMETHANE	
G02-09DBA	02-09	03/27/2002	PROFILE	20.00	20.00	10.90	10.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-09DBA	02-09	03/27/2002	PROFILE	20.00	20.00	10.90	10.90	OC21V	TOLUENE	
G02-09DCA	02-09	03/27/2002	PROFILE	30.00	30.00	20.90	20.90	8330N	1,3-DINITROBENZENE	NO
G02-09DCA	02-09	03/27/2002	PROFILE	30.00	30.00	20.90	20.90	8330N	NITROGLYCERIN	NO
G02-09DCA	02-09	03/27/2002	PROFILE	30.00	30.00	20.90	20.90	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO	NO
G02-09DCA	02-09	03/27/2002	PROFILE	30.00	30.00	20.90	20.90	OC21V	ACETONE	
G02-09DCA	02-09	03/27/2002	PROFILE	30.00	30.00	20.90	20.90	OC21V	BENZENE	
G02-09DCA	02-09	03/27/2002	PROFILE	30.00	30.00	20.90	20.90	OC21V	CHLOROFORM	
G02-09DCA	02-09	03/27/2002	PROFILE	30.00	30.00	20.90	20.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-09DDA	02-09	03/27/2002	PROFILE	40.00	40.00	30.90	30.90	8330N	NITROGLYCERIN	NO
G02-09DDA	02-09	03/27/2002	PROFILE	40.00	40.00	30.90	30.90	E314.0	PERCHLORATE	
G02-09DDA	02-09	03/27/2002	PROFILE	40.00	40.00	30.90	30.90	OC21V	ACETONE	
G02-09DDA	02-09	03/27/2002	PROFILE	40.00	40.00	30.90	30.90	OC21V	CHLOROFORM	
G02-09DDA	02-09	03/27/2002	PROFILE	40.00	40.00	30.90	30.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-09DEA	02-09	03/27/2002	PROFILE	50.00	50.00	40.90	40.90	8330N	1,3-DINITROBENZENE	NO
G02-09DEA	02-09	03/27/2002	PROFILE	50.00	50.00	40.90	40.90	8330N	NITROGLYCERIN	NO
G02-09DEA	02-09	03/27/2002	PROFILE	50.00	50.00	40.90	40.90	E314.0	PERCHLORATE	
G02-09DEA	02-09	03/27/2002	PROFILE	50.00	50.00	40.90	40.90	OC21V	2-HEXANONE	
G02-09DEA	02-09	03/27/2002	PROFILE	50.00	50.00	40.90	40.90	OC21V	ACETONE	
G02-09DEA	02-09	03/27/2002	PROFILE	50.00	50.00	40.90	40.90	OC21V	CHLOROETHANE	
G02-09DEA	02-09	03/27/2002	PROFILE	50.00	50.00	40.90	40.90	OC21V	CHLOROFORM	
G02-09DEA	02-09	03/27/2002	PROFILE	50.00	50.00	40.90	40.90	OC21V	CHLOROMETHANE	
G02-09DEA	02-09	03/27/2002	PROFILE	50.00	50.00	40.90	40.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-09DFA	02-09	03/27/2002	PROFILE	60.00	60.00	50.90	50.90	OC21V	ACETONE	

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G02-09DFA	02-09	03/27/2002	PROFILE	60.00	60.00	50.90	50.90	OC21V	CHLOROFORM	
G02-09DFA	02-09	03/27/2002	PROFILE	60.00	60.00	50.90	50.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-09DGA	02-09	03/27/2002	PROFILE	70.00	70.00	60.90	60.90	OC21V	ACETONE	
G02-09DGA	02-09	03/27/2002	PROFILE	70.00	70.00	60.90	60.90	OC21V	CHLOROFORM	
G02-09DGA	02-09	03/27/2002	PROFILE	70.00	70.00	60.90	60.90	OC21V	CHLOROMETHANE	
G02-09DGA	02-09	03/27/2002	PROFILE	70.00	70.00	60.90	60.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-09DHA	02-09	03/27/2002	PROFILE	80.00	80.00	70.90	70.90	OC21V	ACETONE	
G02-09DHA	02-09	03/27/2002	PROFILE	80.00	80.00	70.90	70.90	OC21V	CHLOROFORM	
G02-09DHA	02-09	03/27/2002	PROFILE	80.00	80.00	70.90	70.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-09DHD	02-09	03/27/2002	PROFILE	80.00	80.00	70.90	70.90	OC21V	ACETONE	
G02-09DHD	02-09	03/27/2002	PROFILE	80.00	80.00	70.90	70.90	OC21V	CHLOROFORM	
G02-09DHD	02-09	03/27/2002	PROFILE	80.00	80.00	70.90	70.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-09DIA	02-09	03/27/2002	PROFILE	90.00	90.00	80.90	80.90	OC21V	ACETONE	
G02-09DIA	02-09	03/27/2002	PROFILE	90.00	90.00	80.90	80.90	OC21V	CHLOROFORM	
G02-09DIA	02-09	03/27/2002	PROFILE	90.00	90.00	80.90	80.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-09DJA	02-09	03/28/2002	PROFILE	100.00	00.00	90.90	90.90	OC21V	ACETONE	
G02-09DJA	02-09	03/28/2002	PROFILE	100.00	00.00	90.90	90.90	OC21V	CHLOROFORM	
G02-09DJA	02-09	03/28/2002	PROFILE	100.00	00.00	90.90	90.90	OC21V	CHLOROMETHANE	
G02-09DJA	02-09	03/28/2002	PROFILE	100.00	00.00	90.90	90.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-09DKA	02-09	03/28/2002	PROFILE	110.00	10.00	101.90	101.90	OC21V	ACETONE	
G02-09DKA	02-09	03/28/2002	PROFILE	110.00	10.00	101.90	101.90	OC21V	CHLOROFORM	
G02-09DKA	02-09	03/28/2002	PROFILE	110.00	10.00	101.90	101.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-09DLA	02-09	03/28/2002	PROFILE	120.00	20.00	110.90	110.90	OC21V	ACETONE	
G02-09DLA	02-09	03/28/2002	PROFILE	120.00	20.00	110.90	110.90	OC21V	CHLOROFORM	
G02-09DLA	02-09	03/28/2002	PROFILE	120.00	20.00	110.90	110.90	OC21V	CHLOROMETHANE	
G02-09DLA	02-09	03/28/2002	PROFILE	120.00	20.00	110.90	110.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-09DMA	02-09	03/28/2002	PROFILE	130.00	30.00	120.90	120.90	OC21V	ACETONE	
G02-09DMA	02-09	03/28/2002	PROFILE	130.00	30.00	120.90	120.90	OC21V	CHLOROFORM	
G02-09DNA	02-09	03/28/2002	PROFILE	140.00	40.00	130.90	130.90	OC21V	ACETONE	
G02-09DNA	02-09	03/28/2002	PROFILE	140.00	40.00	130.90	130.90	OC21V	CHLOROFORM	
G02-09DNA	02-09	03/28/2002	PROFILE	140.00	40.00	130.90	130.90	OC21V	METHYL ETHYL KETONE (2-BUTA	

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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G02-12DAA	02-12	03/26/2002	PROFILE	51.00	53.00	2.00	4.00	8330N	2,6-DINITROTOLUENE	YES
G02-12DAA	02-12	03/26/2002	PROFILE	51.00	53.00	2.00	4.00	8330N	NITROGLYCERIN	NO
G02-12DAA	02-12	03/26/2002	PROFILE	51.00	53.00	2.00	4.00	OC21V	ACETONE	
G02-12DAA	02-12	03/26/2002	PROFILE	51.00	53.00	2.00	4.00	OC21V	CHLOROFORM	
G02-12DAA	02-12	03/26/2002	PROFILE	51.00	53.00	2.00	4.00	OC21V	CHLOROMETHANE	
G02-12DAA	02-12	03/26/2002	PROFILE	51.00	53.00	2.00	4.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G02-12DBA	02-12	03/26/2002	PROFILE	60.00	60.00	11.00	11.00	8330N	NITROGLYCERIN	NO
G02-12DBA	02-12	03/26/2002	PROFILE	60.00	60.00	11.00	11.00	OC21V	ACETONE	
G02-12DBA	02-12	03/26/2002	PROFILE	60.00	60.00	11.00	11.00	OC21V	CHLOROFORM	
G02-12DCA	02-12	03/26/2002	PROFILE	70.00	70.00	21.00	21.00	OC21V	ACETONE	
G02-12DCA	02-12	03/26/2002	PROFILE	70.00	70.00	21.00	21.00	OC21V	CHLOROFORM	
G02-12DDA	02-12	03/26/2002	PROFILE	80.00	80.00	31.00	31.00	8330N	2,6-DINITROTOLUENE	YES
G02-12DDA	02-12	03/26/2002	PROFILE	80.00	80.00	31.00	31.00	8330N	PICRIC ACID	NO
G02-12DDA	02-12	03/26/2002	PROFILE	80.00	80.00	31.00	31.00	OC21V	ACETONE	
G02-12DDA	02-12	03/26/2002	PROFILE	80.00	80.00	31.00	31.00	OC21V	CHLOROFORM	
G02-12DEA	02-12	03/26/2002	PROFILE	90.00	90.00	41.00	41.00	OC21V	CHLOROFORM	
G02-12DFA	02-12	03/26/2002	PROFILE	100.00	00.00	51.00	51.00	OC21V	CHLOROFORM	
G02-12DGA	02-12	03/26/2002	PROFILE	110.00	10.00	61.00	61.00	OC21V	CHLOROFORM	
G02-12DHA	02-12	03/26/2002	PROFILE	12.00	20.00	71.00	71.00	OC21V	CHLOROFORM	
G02-12DIA	02-12	03/26/2002	PROFILE	130.00	30.00	81.00	81.00	OC21V	CHLOROFORM	
G02-12DIA	02-12	03/26/2002	PROFILE	130.00	30.00	81.00	81.00	OC21V	TRICHLOROETHYLENE (TCE)	
G02-12DJA	02-12	03/26/2002	PROFILE	140.00	40.00	91.00	91.00	OC21V	CHLOROFORM	
G02-12DKA	02-12	03/26/2002	PROFILE	150.00	50.00	101.00	101.00	OC21V	CHLOROFORM	
G206DCA	MW-206	03/01/2002	PROFILE	180.00	80.00	21.50	21.50	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G206DCA	MW-206	03/01/2002	PROFILE	180.00	80.00	21.50	21.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G206DCA	MW-206	03/01/2002	PROFILE	180.00	80.00	21.50	21.50	8330N	NITROGLYCERIN	NO
G206DCA	MW-206	03/01/2002	PROFILE	180.00	80.00	21.50	21.50	8330N	PICRIC ACID	NO
G206DDA	MW-206	03/01/2002	PROFILE	190.00	90.00	31.50	31.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G206DDA	MW-206	03/01/2002	PROFILE	190.00	90.00	31.50	31.50	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO	YES
G206DEA	MW-206	03/01/2002	PROFILE	200.00	00.00	41.50	41.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G206DGA	MW-206	03/04/2002	PROFILE	220.00	20.00	61.50	61.50	8330N	4-AMINO-2,6-DINITROTOLUENE	NO

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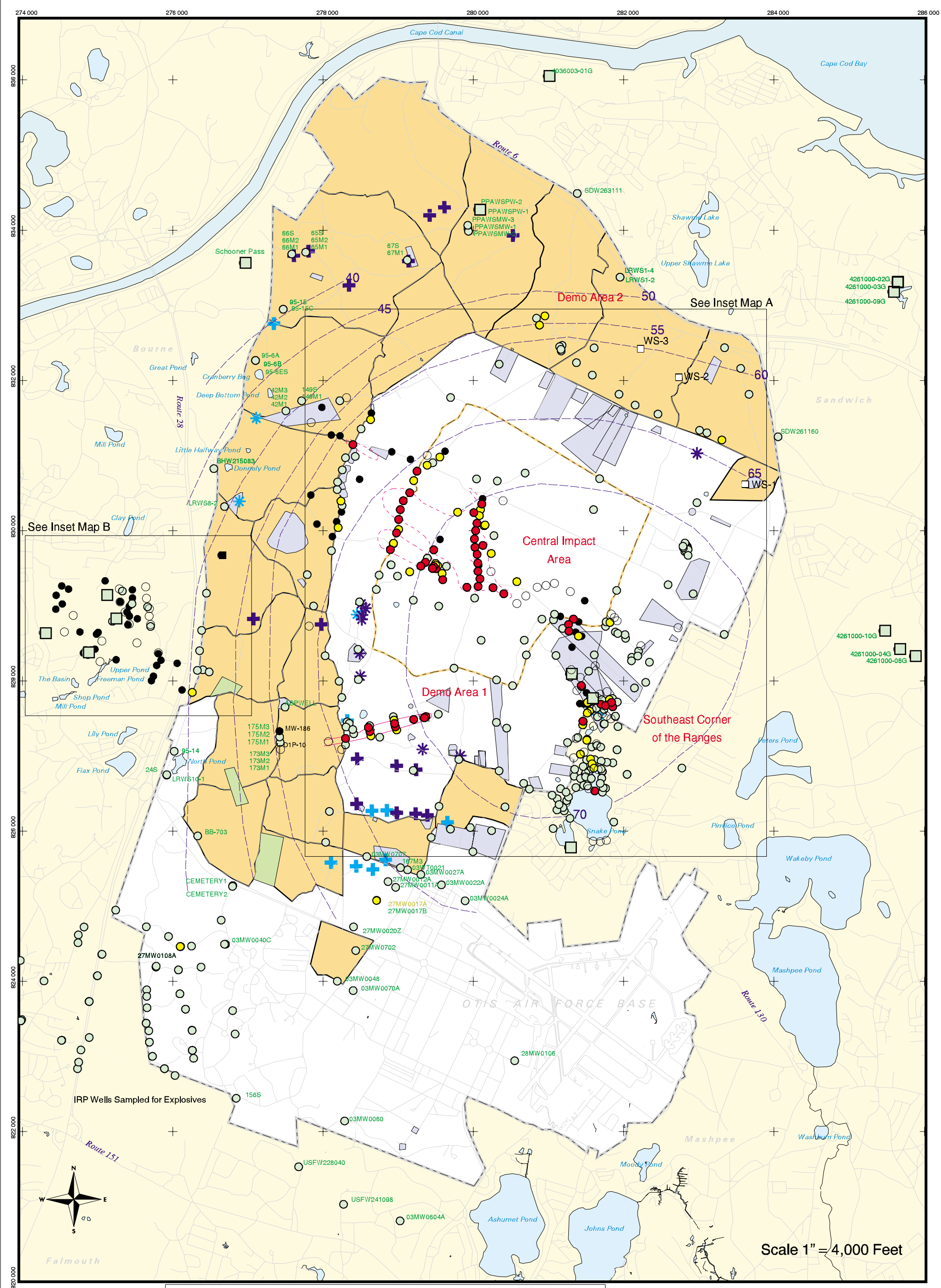
G206DGA	MW-206	03/04/2002	PROFILE	220.00	20.00	61.50	61.50	8330N	NITROGLYCERIN	NO
G206DGA	MW-206	03/04/2002	PROFILE	220.00	20.00	61.50	61.50	8330N	PICRIC ACID	NO
G207DBA	MW-207	03/01/2002	PROFILE	160.00	60.00	16.00	16.00	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G207DBA	MW-207	03/01/2002	PROFILE	160.00	60.00	16.00	16.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G207DBA	MW-207	03/01/2002	PROFILE	160.00	60.00	16.00	16.00	8330N	NITROGLYCERIN	NO
G207DDA	MW-207	03/01/2002	PROFILE	180.00	80.00	36.00	36.00	8330N	NITROGLYCERIN	NO
G207DIA	MW-207	03/04/2002	PROFILE	230.00	30.00	86.00	86.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G207DID	MW-207	03/04/2002	PROFILE	230.00	30.00	86.00	86.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G207DJA	MW-207	03/04/2002	PROFILE	240.00	40.00	96.00	96.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G207DKA	MW-207	03/04/2002	PROFILE	250.00	50.00	106.00	106.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G207DLA	MW-207	03/04/2002	PROFILE	260.00	60.00	116.00	116.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G207DMA	MW-207	03/04/2002	PROFILE	270.00	70.00	126.00	126.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES*
G209DKA	MW-209	03/12/2002	PROFILE	240.00	40.00	122.00	122.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G209DLA	MW-209	03/12/2002	PROFILE	250.00	50.00	132.00	132.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G209DMA	MW-209	03/12/2002	PROFILE	260.00	60.00	142.00	142.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G209DPA	MW-209	03/12/2002	PROFILE	290.00	90.00	172.00	172.00	8330N	NITROGLYCERIN	NO
G210DDA	MW-210	03/22/2002	PROFILE	140.00	40.00	39.00	39.00	E314.0	PERCHLORATE	
G210DEA	MW-210	03/22/2002	PROFILE	150.00	50.00	49.00	49.00	E314.0	PERCHLORATE	
G210DFA	MW-210	03/22/2002	PROFILE	160.00	60.00	59.00	59.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G210DFA	MW-210	03/22/2002	PROFILE	160.00	60.00	59.00	59.00	E314.0	PERCHLORATE	
G210DGA	MW-210	03/22/2002	PROFILE	170.00	70.00	69.00	69.00	E314.0	PERCHLORATE	
G210DHA	MW-210	03/22/2002	PROFILE	180.00	80.00	79.00	79.00	E314.0	PERCHLORATE	
G210DIA	MW-210	03/22/2002	PROFILE	190.00	90.00	89.00	89.00	E314.0	PERCHLORATE	
G210DUA	MW-210	03/25/2002	PROFILE	310.00	10.00	209.00	209.00	8330N	3-NITROTOLUENE	YES*
G210DUA	MW-210	03/25/2002	PROFILE	310.00	10.00	209.00	209.00	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G210DUA	MW-210	03/25/2002	PROFILE	310.00	10.00	209.00	209.00	8330N	NITROGLYCERIN	NO
G210DUA	MW-210	03/25/2002	PROFILE	310.00	10.00	209.00	209.00	8330N	PENTAERYTHRITOL TETRANITRA	NO
G210DUA	MW-210	03/25/2002	PROFILE	310.00	10.00	209.00	209.00	8330N	PICRIC ACID	NO

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
* = Interference in sample



LEGEND

- Validated Detection Greater than or Equal to Maximum Contaminant Level/Health Advisories
- Validated Detection less than Maximum Contaminant Level/Health Advisories
- Validated Non-detect
- No Data Available
- Proposed Well
- Combat Training Areas
- Military Training Areas
- Military Ranges
- Current Gun Position
- Current Mortar Position
- Old Gun Position
- Old Mortar Position
- Validated Non-Detect Water Supply Well
- Future Supply Well
- Water Table Contour (feet above mean sea level)
- Area of RDX Detections greater than 2.0 ppb
- 2.0 ppb RDX Concentration Contour

Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

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IAGWSP Impact Area Groundwater Study Program

Figure 1

Explosives in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 3/29/02

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278 000 279 000 280 000 281 000 282 000 283 000

832 000 831 000 830 000 829 000 828 000 827 000 826 000

Demo Area 2

Central Impact Area

CS-19

Demo Area 1

Southeast Corner of the Ranges

Doughnut Pond
Gibbs Pond
Round Swamp
Baileys Pond
Grassy Pond
Ox Pond
Succonsette Pond
Opening Pond
Bypass Bog
J-3 Wetland
Snake Pond
Weeks Pond
Peters Pond
Pimlico Pond

Burgoyne Rd
Gibbs Rd
Jefferson Rd
Spruce Swamp Rd
Pocasset Sandwich Rd
Wood Rd
Barlow Rd
Tank Alley
Turpentine Rd
Wheelock Rd
Greenway Rd
Raccoon Ln
Arnold Rd
Pocasset Forestdale Rd
Snake Pond Rd
Rt 130

WS-1 WS-2 WS-3

45 50 55 60 65 70

RANGECON RRAP-1 SMR-2 SMR-3 SMR-4 TEXTRONPW-1 TEXTRONPW-2

MW-176 MW-207 MW-206 MW-202 MW-178 MW-208 MW-180 MW-203 MW-185 MW-209 MW-183 MW-201 MW-200 MW-182 MW-177 MW-204 MW-179 MW-205 MW-184 MW-192 MW-187 MW-188 MW-191 MW-189 MW-190 MW-193 MW-195 MW-194 MW-196 MW-197 MW-198 MW-181

CIAP-13 CIAP-25 CIAP-14 CIAP-23 CIAP-24 CIAP-11 CIAP-12

OW-1 OW-2 OW-3

J1P-1 J1P-16 J1P-17 J1P-18

J2P-12 J2P-13 J2P-14 J2P-15 J2P-16

J3P-17 J3P-18 J3P-19 J3P-20 J3P-21 J3P-22 J3P-23 J3P-24 J3P-25 J3P-26 J3P-27 J3P-28 J3P-29 J3P-30

LP-5 LP-6 LP-7 LP-8 LP-9 LP-10

LRWS1-1 LRWS4-1 LRWS5-1 LRWS6-1 LRWS7-1

RW-1 RW-3 LRMW0003

USCGANTST 15WT0712 15WT0711 15WT0007 15WT0010

90LWA0007 90WT0006 90WT0013 90WT0019 90WT0003 90WT0015 90WT0004 90WT0005 90WT0008

90MW0003 90MW0004 90MW0005 90MW0006 90MW0007 90MW0008 90MW0009 90MW0010 90MW0011 90MW0013 90MW0014 90MW0015 90MW0019 90MW0022 90MW0029B 90MW0031 90MW0034 90MW0041 90MW0054 90MW0059B 90MW0060 90MW0063 90MW0070 90MW0071 90MW0080 90MW0101A 90MW0102A

90EW0001 90EW0002 90EW0003

90MP0059 90MP0060

90PZ0204 90PZ0208 90PZ0211

90RI0005 90RI0006

90SNP001 90SNP0002

ECMWSNP02S ECMWSNP02D ECMWSNP03S ECMWSNP03D

RS0003 RS0003A RS0004 RS0005 RS0006 RS0010 RS0011 RS0012 RS0014 RS0015 RS0018 RS0021 RS0024 RS0033 RS0034 RS0036 RS0039 RS0040

SP3-91 SP4-91

4261000-05G

03MW0006 03MW0007A 03MW0009 03MW0014A 03MW0020 03MW0122A 03MW0709 03MW0710

58MW0001 58MW0002 58MW0003 58MW0004 58MW0005E 58MW0006E 58MW0007B 58MW0007C 58MW0007E 58MW0008E 58MW0009E 58MW0010A 58MW0010B 58MW0011D 58MW0011E 58MW0015A 58MW0015B 58MW0016A 58MW0016B 58MW0016C 58MW0017A 58MW0017B 58MW0017C 58MW0018B 58MW0018C

11MW0002 11MW0003 11MW0004 11MW0001

Scale 1" = 1,200 Feet

Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

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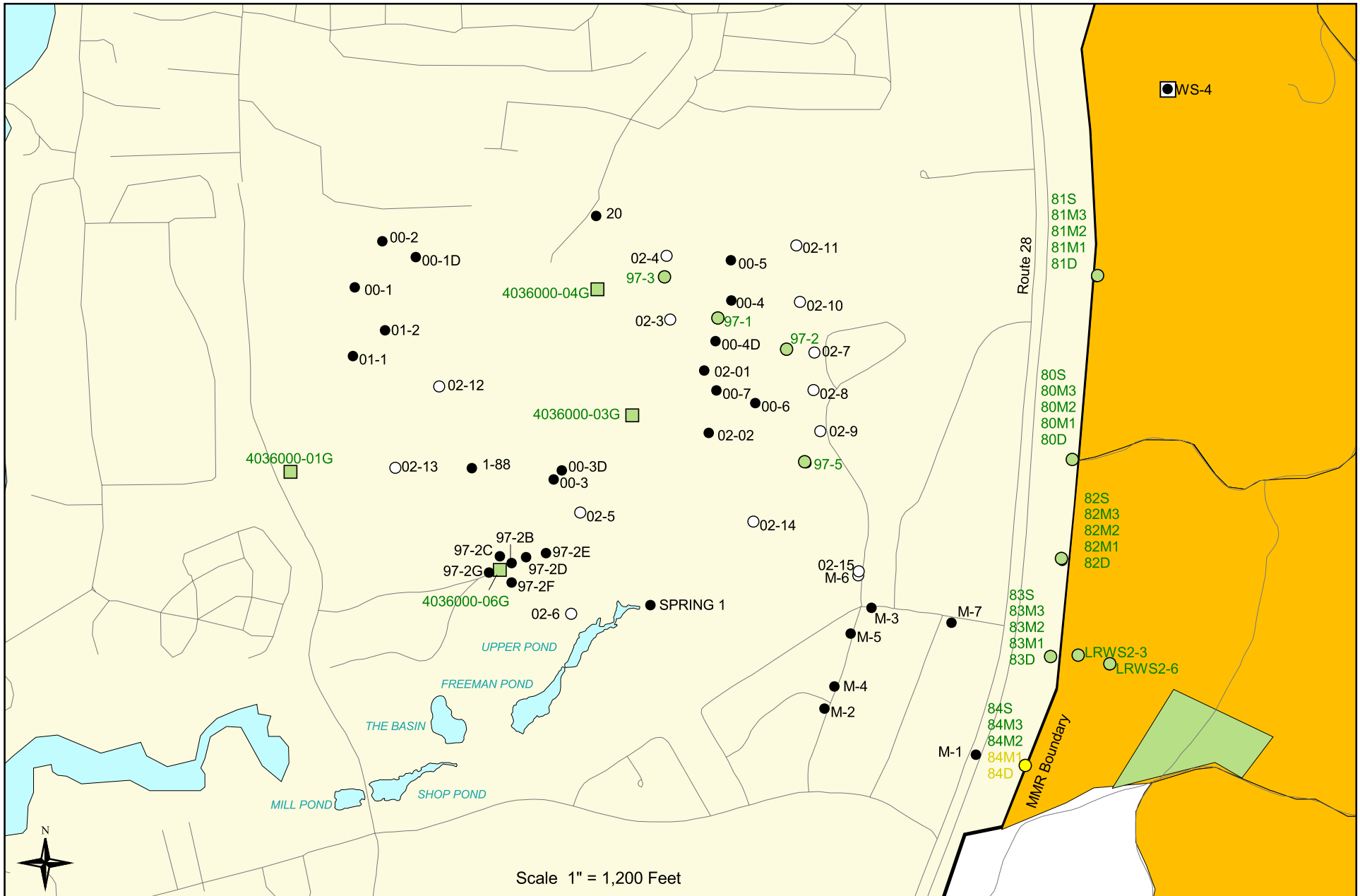
LEGEND

- Validated Detection Greater than or Equal to Maximum Contaminant Level/Health Advisories
- Validated Detection less than Maximum Contaminant Level/Health Advisories
- Validated Non-detect
- No Data Available
- Proposed Well
- Water Table Contour (feet above mean sea level)
- Area of RDX Detections greater than 2.0 ppb
- 2.0 ppb RDX Concentration Contour
- Current Gun Position
- Current Mortar Position
- Old Gun Position
- Old Mortar Position
- Military Ranges
- Military Training Areas
- Validated Non-Detect Water Supply Well
- Future Supply Well

IAGWSP Impact Area Groundwater Study Program

Figure 1 - INSET MAP A

Explosives in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 3/29/02



Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

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April 9, 2002 DRAFT

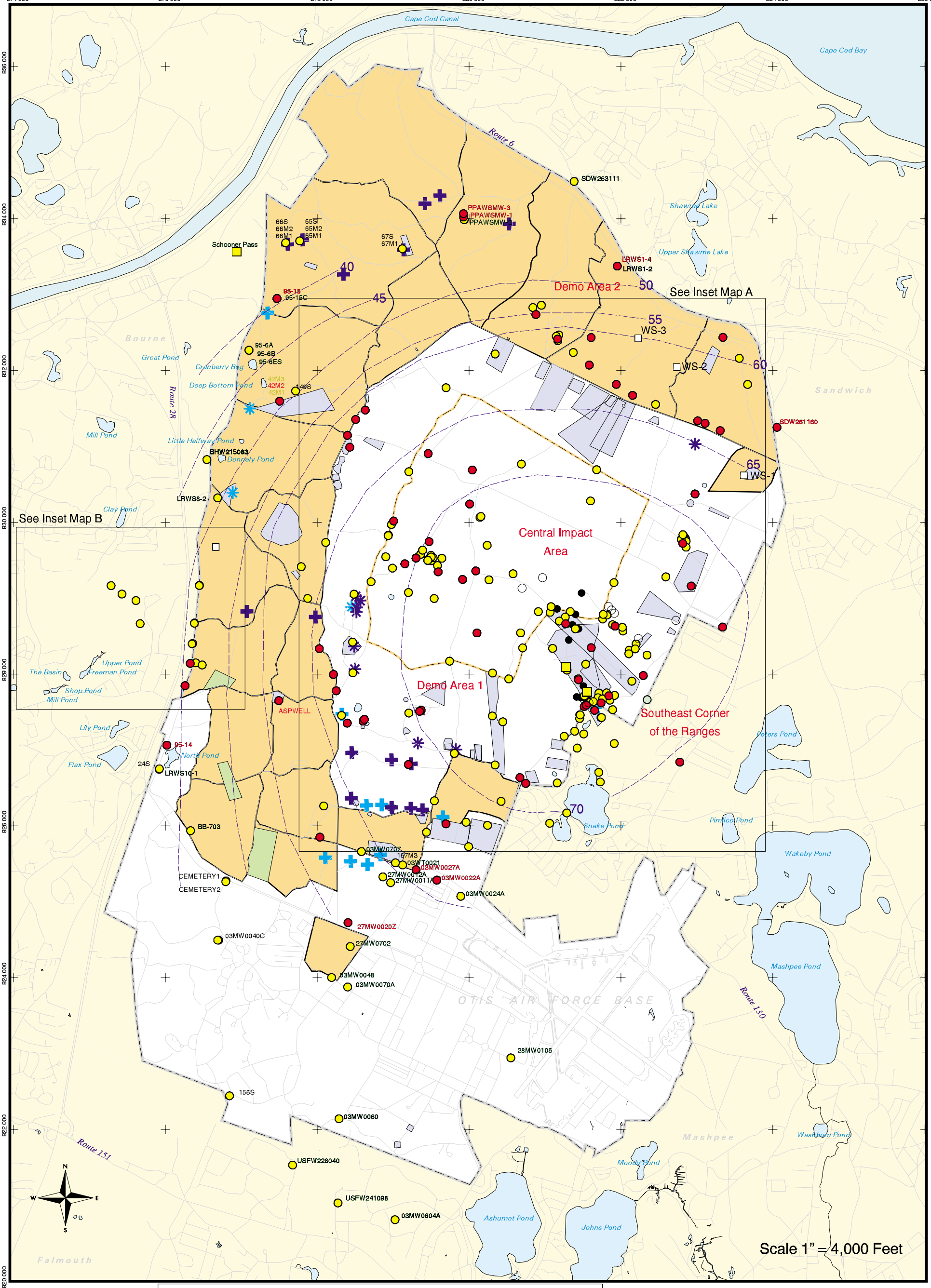
J:\GIS\April2002\monthly_inset_1.pdf
G:\MMR\MMR\ArcVprj\monthly_inset.apr

- Validated Detection Less than Maximum Contaminant Level/Health Advisories
- Validated Non-Detect
- Validated Non-Detect Water Supply Well
- Future Supply Well
- No Data Available
- Proposed Well
- Combat Training Areas
- MilitaryTraining Areas

IAGWSP Impact Area Groundwater Study Program

Figure 1 - INSET MAP B

Explosives in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 3/29/02



LEGEND

- Validated Detection Greater than or Equal to Maximum Contaminant Level/Health Advisories
- Validated Detection less than Maximum Contaminant Level/Health Advisories
- Validated Non-detect
- No Data Available
- Proposed Well
- Combat Training Areas
- Military Training Areas
- Military Ranges
- Current Gun Position
- Current Mortar Position
- Old Gun Position
- Old Mortar Position
- Validated Non-Detect Water Supply Well
- Future Supply Well
- Water Table Contour (feet above mean sea level)
- Validated Detection less than Maximum Contaminant Level Health Advisories, Water Supply Well

Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

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IAGWSP Impact Area Groundwater Study Program

Figure 2

Metals in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 3/29/02

d:\work\monthly\april2002\metals

278 000 279 000 280 000 281 000 282 000 283 000

832 000 831 000 830 000 829 000 828 000 827 000

Demo Area 2

Central Impact Area

Demo Area 1

Southeast Corner of the Ranges

45 50 55 60 65 70

WS-1 WS-2 WS-3

Doughnut Pond
Gibbs Pond
Round Swamp
Baileys Pond
Grassy Pond
Ox Pond
Succonsette Pond
Opening Pond
J-3 Wetland
Bypass Bog
Peters Pond
Snake Pond
Weeks Pond
Pimlico Pond

Burgoyne Rd
Gibbs Rd
Spruce Swamp Rd
Jefferson Rd
Pocasset Sandwich Rd
Wood Rd
Barlow Rd
Greenway Rd
Tank Alley
Turpentine Rd
Wheelock Rd
Pocasset Forestdale Rd
Raccoon Ln
Arnold Rd
Snake Pond Rd
RI 130

RANGECON

160S 161S 16S 16D
11MW0002 11MW0003 11MW0004 11MW0001
53S 53M3 53M2 53M1 53D
17S 17M3 17M2 17M1 17D
52S 52M3 52M2 52M1 52D
54S 54M3 54M2 54M1 54D
55S 55M3 55M2 55M1 55D
63S 63M3 63M2 63M1 63D
LRMW0003 RW-3 RW-1
48S 48M3 48M2 48M1 48D 49S 49M3 49M2 49M1 49D 18S 18M2 18M1 18D
62S 10S 10M1 10D
50S 50M3 50M2 50M1 50D
51S 51M3 51M2 51M1 51D
23S 23M3 23M2 23M1 23D
72S
41M3 41M2 41M1
43S 43M2 43M1
03S 03M2 03M1 03D
04S 11S
05S 05M2 05M1 05D
LRWS4-1
02S 02M2 02M1 02D
59S 59M2 59M1
26S
39S 39M2 39M1
58MW0018A 58MW0018B 58MW0018C
58MW0007C 58MW0007B 58MW0007E
58MW0017A 58MW0017B 58MW0017C
38S 38M4 38M3 38M2 38M1 38D
58MW0003
58MW0009C 58MW0009E 58MW0010A 58MW0010B
58MW0015A 58MW0015B 58MW0004 58MW0005E
58MW0008E
58MW0011D 58MW0011E
58MW0002 58MW0001 58MW0006E
58MW0016A 58MW0016B 58MW0016C
09S 94S 94M2 94M1 25S
22S 174S
15S 15D
37M3 37M2 37M1
01S 01M2 01M1 01D
40S 40M1
27S
J1P-18 J1P-1
104S 104M2 104M1
08S
71S 71M1
06S MW-187 MW-188 MW-189 MW-190 MW-191 MW-192
164M3 164M2 164M1
166M3 166M2 166M1
168M3 168M2 168M1
118M2 118M1 126S 126M1
07S 07M2 07M1 07D
152M2 152M1
58S
SMR-4
13S 13D
127S
136S 136M1
29S 119S
J2P-13 J2P-12 J2P-14 J2P-16 J2P-15
130S 130M1 130D
117S SMR-2
137S 120S 120M1
116S 121S 122S 154S 154M1 158S 158M2 158M1
12S
15WT0712 15MW0006 15MW0001 15WT0007 15MW0009 15MW0005 15WT0711
15MW0008 15MW0007 15MW0004 15MW0002
170M3 170M2 170M1
LRWS5-1
57S 57M3 57M2 57M1 57D
90WT0003 90WT0013 90WT0015 140M1
90MW0038 90MW0031 90MW0019
148S 148M1 145S 145M1
90MW0014 90MW0022 90MW0021
142S 142M2 142M1
143M3 143M2 143M1
144S 144M2 144M1
147M3 147M2 147M1 153M3 153M2 153M1
131S 131M2 131M1 LRWS7-1
45S 45M2 45M1 146S 146M1
90LWA0007 90MW0029B 90MW0013
TEXTRONPW-1 30S
163S 132S 132M1 MW-193 MW-195 MW-196 MW-197 MW-198 MW-194 MW-181
J3P-10 J3P-27
90WT0005 155M2 155M1
157M2 157M1 157D
90MW0054 90MW0003
RS0047
90WT0010
ECMWSNP02S ECMWSNP02D ECMWSNP03S ECMWSNP03D
R1 130
21S 21M3 21M2 21M1 21D
70S 70M1
46S 46M3 46M2 46M1 46D
69S 69M2 69M1
47S 47M3 47M2 47M1 47D
20S 34M3 34M2 34M1 36S 36M2 36M1 35S 35M2 35M1
31S 73S 19S 19D
60S SMR-3
14S 61S 28S 28M2 28M1
TEXTRONPW-2 125S 125M1
64S 64M2 64M1
68S 68M1 109S
LRWS8-1 90WT0008
56S 56M3 56M2 56M1 56D
03MW0122A
151S 150S
03MW0710 03MW0709 03MW0006 03MW0007A 03MW0014A 03MW0020
SP3-91 SP4-91

Scale 1" = 1,200 Feet

Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

amec April 09, 2002 DRAFT

d:\work\monthly\april2002\metals

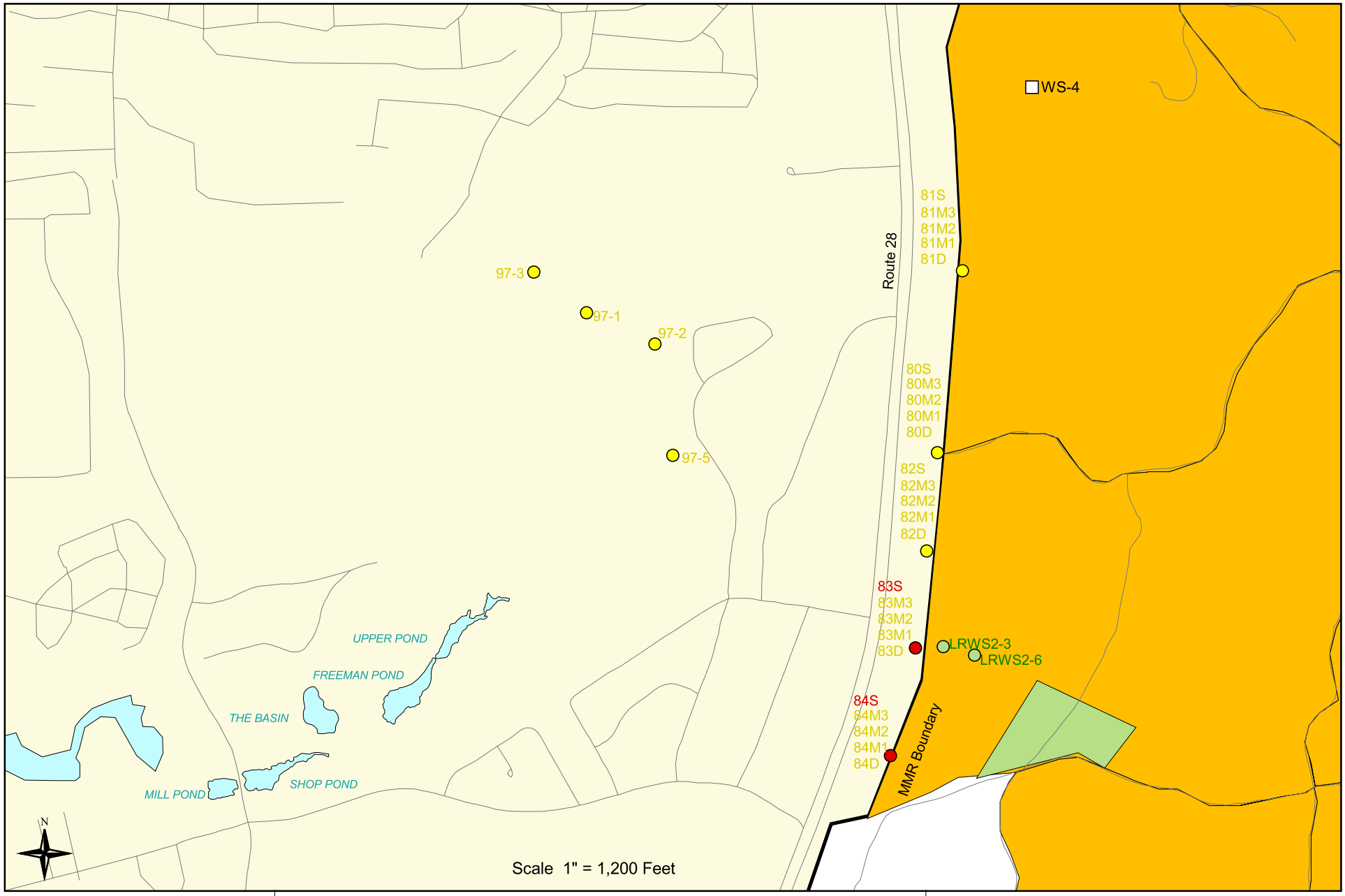
LEGEND

- Validated Detection Greater than or Equal to Maximum Contaminant Level/Health Advisories
- Validated Detection less than Maximum Contaminant Level/Health Advisories
- Validated Non-detect
- No Data Available
- Proposed Well
- Water Table Contour (feet above mean sea level)
- Current Gun Position
- Current Mortar Position
- Old Gun Position
- Old Mortar Position
- Military Ranges
- Military Training Areas
- Future Supply Well
- Validated Detection Less than Maximum Contaminant Level Health Advisories Water Supply Well

IAGWSP Impact Area Groundwater Study Program

Figure 2 - INSET MAP A

Metals in Groundwater
Compared to Maximum Contaminant Level/Health Advisories
Validated Data as of 3/29/02



Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

amec

April 9, 2002 DRAFT

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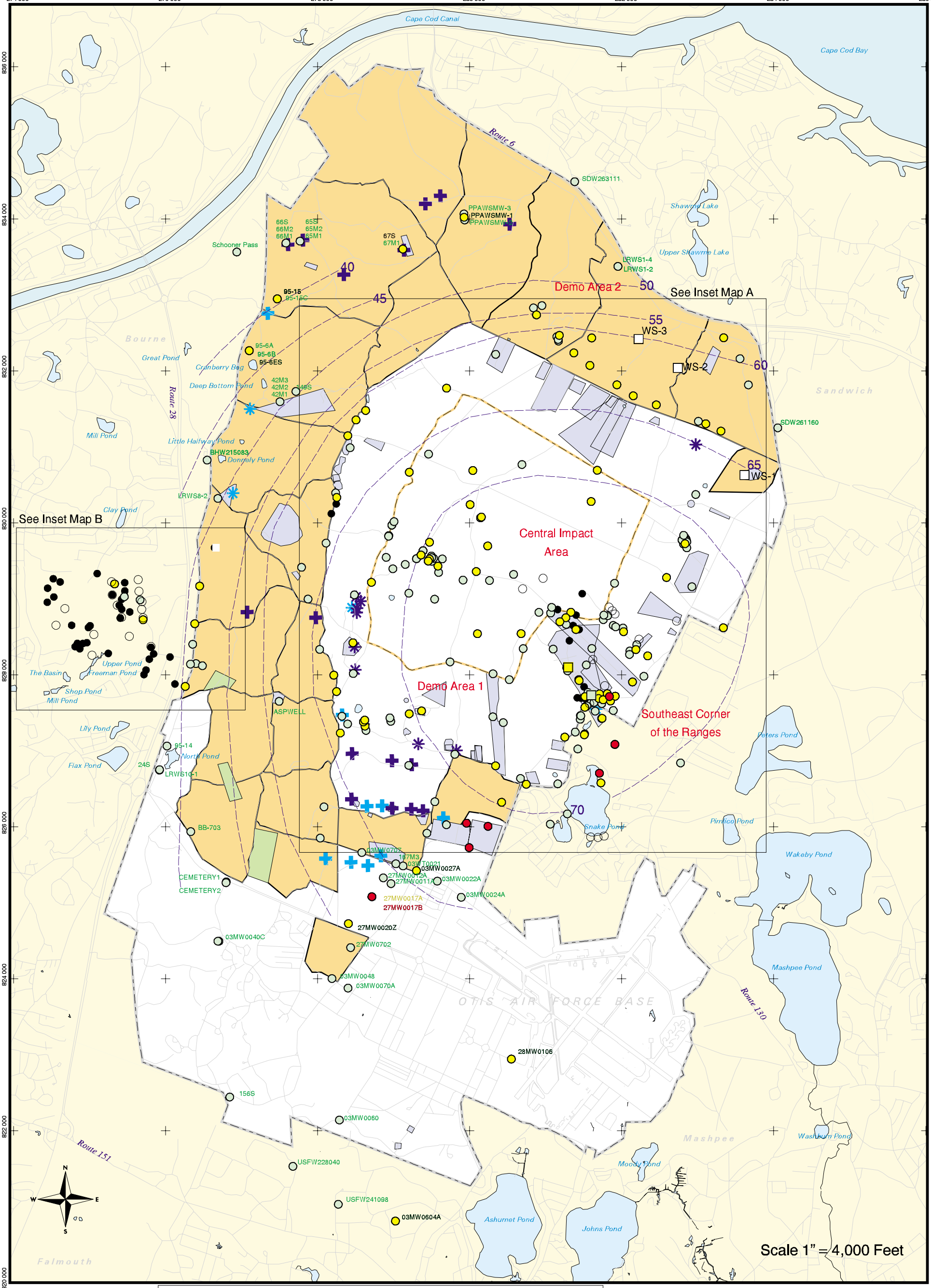
- Validated Detection Greater than or Equal to Maximum Contaminant Level/Health Advisories
- Validated Detection Less than Maximum Contaminant Level/Health Advisories
- Validated Non-Detect
- Validated Non-Detect Water Supply Well
- Future Supply Well
- Combat Training Areas
- MilitaryTraining Areas

IAGWSP

Figure 2 - INSET MAP B

Metals in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 3/29/02



LEGEND

- Validated Detection Greater than or Equal to Maximum Contaminant Level/Health Advisories
- Validated Detection less than Maximum Contaminant Level/Health Advisories
- Validated Non-detect
- No Data Available
- Proposed Well
- Combat Training Areas
- Military Training Areas
- Military Ranges
- Water Table Contour (feet above mean sea level)
- Validated Detection less than Maximum Contaminant Level/Health Advisories, Water Supply Well
- Current Gun Position
- Current Mortar Position
- Old Gun Position
- Old Mortar Position
- Validated Non-Detect Water Supply Well
- Future Supply Well

Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

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IAGWSP Impact Area Groundwater Study Program

Figure 3

Volatile Organic Compounds (excluding Chloroform) in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 3/29/02

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278 000 279 000 280 000 281 000 282 000 283 000

832 000 831 000 830 000 829 000 828 000 827 000 826 000

Demo Area 2

Central Impact Area

Demo Area 1

Southeast Corner of the Ranges

45 50 55 60 65 70

WS-1 WS-2 WS-3

RW-1 RW-3

Doughnut Pond
Gibbs Pond
Round Swamp
Baileys Pond
Grassy Pond
Ox Pond
Succonsette Pond
Opening Pond
J-3 Wetland
Bypass Bog
Snake Pond
Weeks Pond
Peters Pond
Pimlico Pond

Burgoyne Rd
Gibbs Rd
Spruce Swamp Rd
Jefferson Rd
Pocasset Sandwich Rd
Wood Rd
Barlow Rd
Greenway Rd
Tank Alley
Turpentine Rd
Wheelock Rd
Pocasset Forestdale Rd
Raccoon Ln
Arnold Rd
Rt 130
Snake Pond Rd

160S 161S 16S 16D

11MW0002 11MW0003 11MW0004 11MW0001 17S 17M3 17M2 17M1 17D 53S 53M3 53M2 53M1 53D

LRMW0003 52S 52M3 52M2 52M1 52D 54S 54M3 54M2 54M1 54D 55S 55M3 55M2 55M1 55D 63S 63M3 63M2 63M1 63D

62S 10S 10M1 10D 48S 48M3 48M2 48M1 48D 49S 49M3 49M2 49M1 49D 18S 18M2 18M1 18D

50S 50M3 50M2 50M1 50D 23S 23M3 23M2 23M1 23D 51S 51M3 51M2 51M1 51D 72S

41M3 41M2 41M1 03S 03M2 03M1 03D 04S 11S 43S 43M2 43M1

108M3 110M3 110M2 110M1 MW-201 MW-200 02S 02M2 02M1 02D 05S 05M2 05M1 05D 59S 59M2 59M1 26S

LRWS4-1 22S 39S 39M2 39M1 58MW0018A 58MW0018B 58MW0018C 58MW0007C 58MW0007B 58MW0007E 58MW0017A 58MW0017B 58MW0017C 38S 38M4 38M3 38M2 38M1 38D 58MW0003 58MW0009C 58MW0009E 58MW0010A 58MW0010B 58MW0008E 58MW0011D 58MW0011E 58MW0002 58MW0016A 58MW0016B 58MW0016C 58MW0015A 58MW0015B 58MW0004 58MW0005E 58MW0001 58MW0006E 09S 94S 94M2 94M1 25S 37M3 37M2 37M1 44S 44M2 44M1

174S 15S 15D 104S 104M2 104M1 08S 01S 01M2 01M1 01D 40S 40M1 27S J1P-18 J1P-1 12S

15WT0712 15MW0008 15MW0006 15MW0007 15MW0001 15WT0007 15MW0004 15MW0009 15MW0002 15MW0005 15WT0711 170M3 170M2 170M1 LRWS5-1

RANGECON 71S 71M1 MW-192 06S MW-187 164M3 164M2 164M1 MW-188 118M2 118M1 126S 126M1 166M3 166M2 166M1 J2P-13 J2P-12 J2P-14 29S 130S 130M1 130D 119S 117S 137S 120S 120M1 SMR-2 J2P-16 57S 57M3 57M2 57M1 57D

07S 07M2 07M1 07D 58S MW-191 MW-189 136S 136M1 168M3 168M2 168M1 152M2 152M1 MW-190 13S 13D SMR-4 127S J2P-15 116S 121S 154S 154M1 122S 158S 158M2 158M1

21S 21M3 21M2 21M1 21D 70S 70M1 14S 61S 28S 28M2 28M1 J3P-23 TEXTRONPW-2 128S 128M2 128M1 LP-10 125S 125M1 163S 132S 132M1 MW-193 LP-9 147M3 147M2 147M1 153M3 153M2 153M1 131S 131M2 131M1 LRWS7-1

46S 46M3 46M2 46M1 46D 69S 69M2 69M1 47S 47M3 47M2 47M1 47D MW-195 90MW0029B 90LWA0007 45S 45M2 45M1 146S 146M1 TEXTRONPW-1 MW-198 38S MW-194 MW-181 MW-197 MW-196 90MW0021 144S 144M2 144M1 90MW0013 90WT0003 90WT0015 140M1 J3P-10 143M3 143M2 143M1 90MW0014 90MW0038 90MW0031 90MW0019 90MW0022 145S 145M1 148S 148M1 142S 142M2 142M1 J3P-27

19S 19D 31S 60S SMR-3 77M2 77M1 76S 76M2 76M1 34M3 34M2 34M1 36S 36M2 36M1 114M2 114M1 129M1 35S 35M2 35M1 165M2 20S

90WT0005 155M2 155M1 90MW0004 157M2 157M1 157D 90MW0003 90MW0005 90MW0054

64S 64M2 64M1 68S 68M1 109S LRWS6-1 90WT0008 56S 56M3 56M2 56M1 56D 03MW0122A 90WT0010

151S 03MW0710 03MW0007A 03MW0014A 03MW0006 03MW0709 03MW0020 150S

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Scale 1" = 1,200 Feet

Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

amec April 08, 2002 DRAFT

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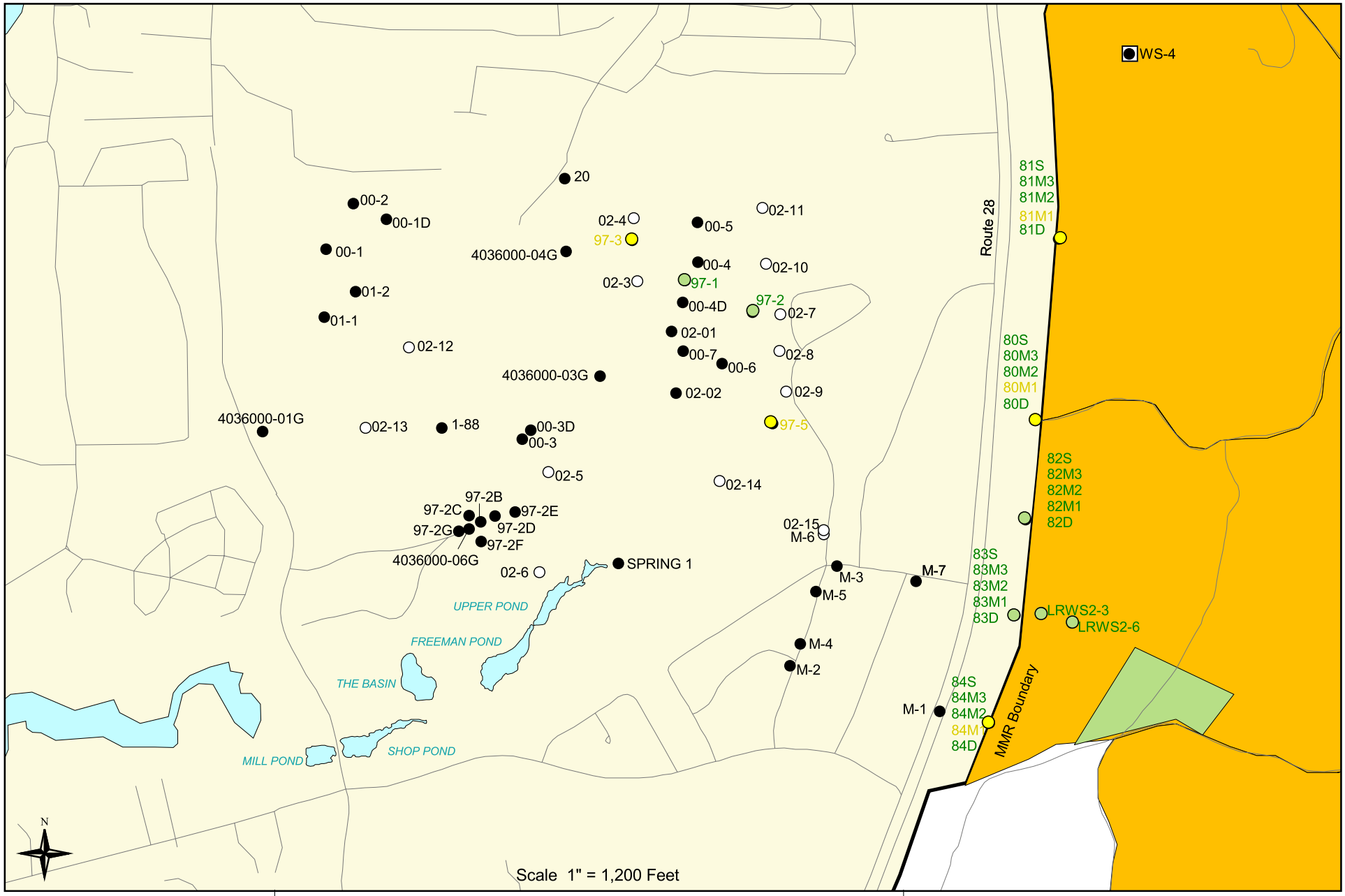
LEGEND

- Validated Detection Greater than or Equal to Maximum Contaminant Level/Health Advisories
- Validated Detection less than Maximum Contaminant Level/Health Advisories
- Validated Non-detect
- No Data Available
- Proposed Well
- Water Table Contour (feet above mean sea level)
- Current Gun Position
- Current Mortar Position
- Old Gun Position
- Old Mortar Position
- Military Ranges
- Military Training Areas
- Validated Non-Detect Water Supply Well
- Future Supply Well
- Validated Detection less than Maximum Contaminant Level/Health Advisories Water Supply Well

IAGWSP Impact Area Groundwater Study Program

Figure 3 - INSET MAP A

Volatile Organic Compounds (excluding Chloroform) in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 3/29/02



Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

amec

April 9, 2002 DRAFT

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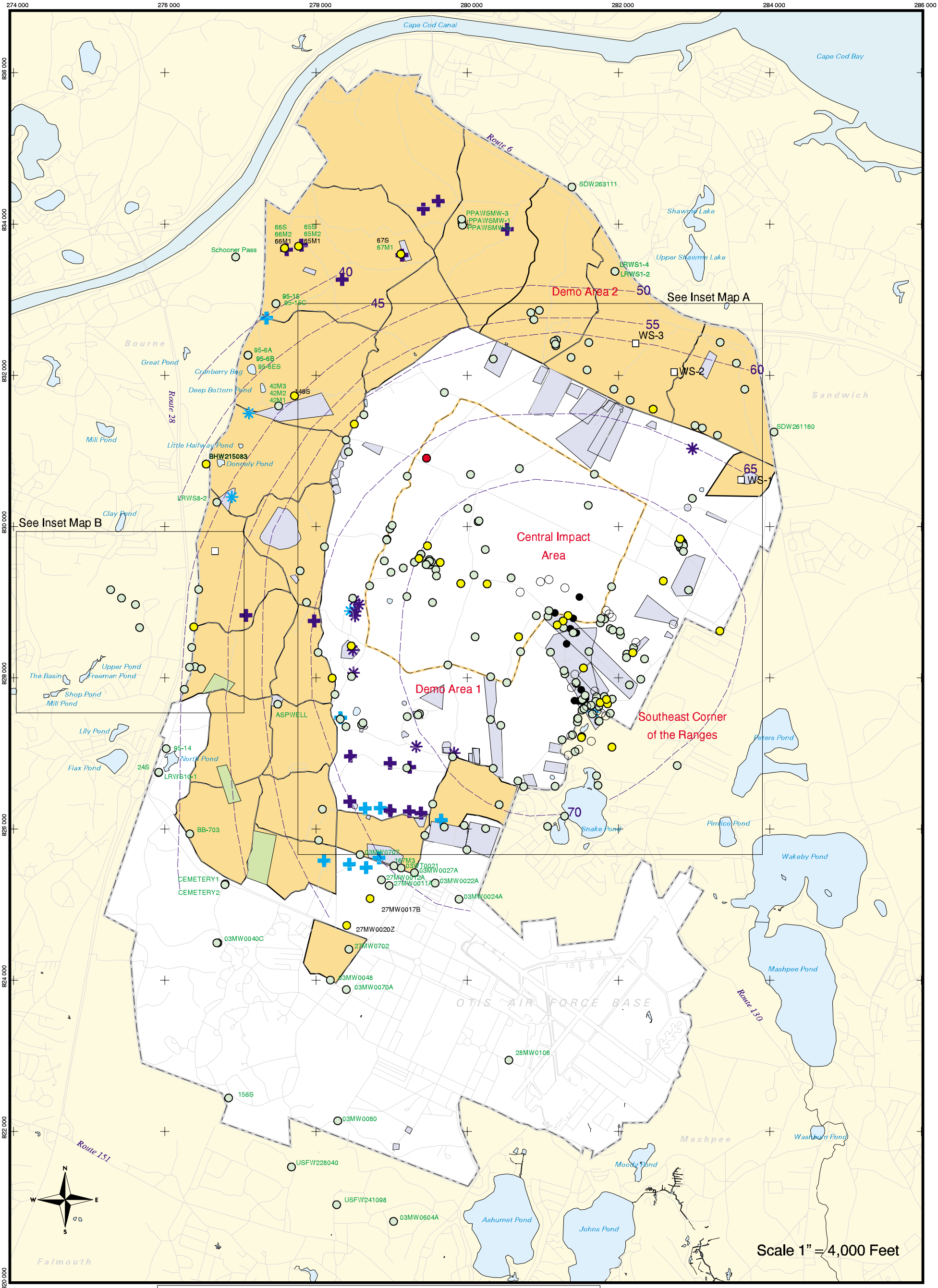
- Validated Detection Less than Maximum Contaminant Level/Health Advisories
- Validated Non-Detect
- Validated Non-Detect Water Supply Well
- Future Supply Well
- No Data Available
- Proposed Well
- Combat Training Areas
- MilitaryTraining Areas

IAGWSP

Figure 3 - INSET MAP B

Volatile Organic Compounds (excluding Chloroform) in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 3/29/02



LEGEND

- Validated Detection Greater than or Equal to Maximum Contaminant Level/Health Advisories
- Validated Detection less than Maximum Contaminant Level/Health Advisories
- Validated Non-detect
- No Data Available
- Proposed Well
- Combat Training Areas
- Military Training Areas
- Military Ranges
- Water Table Contour (feet above mean sea level)
- Current Gun Position
- Current Mortar Position
- Old Gun Position
- Old Mortar Position
- Validated Non-Detect Water Supply Well
- Future Supply Well

Scale 1" = 4,000 Feet

Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

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Figure 5

Semi-Volatile Organic Compounds (excluding BEHP) in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 3/29/02

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278 000 279 000 280 000 281 000 282 000 283 000

832 000 831 000 830 000 829 000 828 000 827 000

Demo Area 2

Central Impact Area

Demo Area 1

Southeast Corner of the Ranges

45 50 55 60 65 70

Doughnut Pond
Gibbs Pond
Round Swamp
Baileys Pond
Grassy Pond
Ox Pond
Succonsette Pond
Opening Pond
J-3 Wetland
Bypass Bog
Peters Pond
Snake Pond
Weeks Pond
Pimlico Pond

Burgoyne Rd
Gibbs Rd
Spruce Swamp Rd
Jefferson Rd
Pocasset Sandwich Rd
Wood Rd
Barlow Rd
Tank Alley
Turpentine Rd
Wheelock Rd
Pocasset Forestdale Rd
Raccoon Ln
Arnold Rd
Rt 130
Snake Pond Rd
Greenway Rd

WS-1 WS-2 WS-3

RW-1 RW-3

RANGECON

TEXTRONPW-1 TEXTRONPW-2

SMR-2 SMR-3 SMR-4

LRMW0003 LRWS4-1 LRWS5-1 LRWS6-1 LRWS7-1

15WT0712 15WT0711

160S 161S 16S 16D 17S 17M3 17M2 17M1 17D 10S 10M1 10D 11MW0001 11MW0002 11MW0003 11MW0004 12S 118M2 118M1 119S 120S 120M1 121S 122S 125S 125M1 126S 126M1 127S 128S 128M2 128M1 130S 130M1 130D 131S 131M2 131M1 132S 132M1 136S 136M1 137S 140M1 143M3 143M2 143M1 144S 144M2 144M1 145S 145M1 146S 146M1 147M3 147M2 147M1 148S 148M1 149S 149M3 149M2 149M1 149D 150S 151S 152M2 152M1 153M3 153M2 153M1 154S 154M1 155M2 155M1 157M2 157M1 157D 158S 158M2 158M1 163S 164M3 164M2 164M1 166M3 166M2 166M1 168M3 168M2 168M1 170M3 170M2 170M1 174S 15MW0001 15MW0002 15MW0004 15MW0005 15MW0006 15MW0007 15MW0008 15MW0009 15WT0007 18S 18M2 18M1 18D 20S 21S 21M3 21M2 21M1 21D 22S 23S 23M3 23M2 23M1 23D 25S 26S 27S 28S 28M2 28M1 31S 34M3 34M2 34M1 35S 35M2 35M1 36S 36M2 36M1 37M3 37M2 37M1 38S 38M4 38M3 38M2 38M1 38D 39S 39M2 39M1 40S 40M1 41M3 41M2 41M1 43S 43M2 43M1 44S 44M2 44M1 45S 45M2 45M1 46S 46M3 46M2 46M1 46D 47S 47M3 47M2 47M1 47D 48S 48M3 48M2 48M1 48D 50S 50M3 50M2 50M1 50D 51S 51M3 51M2 51M1 51D 52S 52M3 52M2 52M1 52D 53S 53M3 53M2 53M1 53D 54S 54M3 54M2 54M1 54D 55S 55M3 55M2 55M1 55D 56S 56M3 56M2 56M1 56D 57S 57M3 57M2 57M1 57D 58MW0001 58MW0002 58MW0003 58MW0004 58MW0005E 58MW0006E 58MW0007A 58MW0007B 58MW0007C 58MW0007E 58MW0008E 58MW0009C 58MW0009E 58MW0010A 58MW0010B 58MW0011D 58MW0011E 58MW0015A 58MW0015B 58MW0016A 58MW0016B 58MW0016C 58MW0017A 58MW0017B 58MW0017C 58MW0018A 58MW0018B 58MW0018C 59S 59M2 59M1 60S 61S 62S 63S 63M3 63M2 63M1 63D 64S 64M2 64M1 68S 68M1 69S 69M2 69M1 70S 70M1 71S 71M1 72S 73S 90MW0003 90MW0004 90MW0005 90MW0007 90MW0008B 90MW0013 90MW0014 90MW0019 90MW0022 90MW0027 90MW0031 90MW0038 90MW0054 90WT0003 90WT0005 90WT0008 90WT0010 90WT0013 90WT0015 01S 01M2 01M1 01D 02S 02M2 02M1 02D 03S 03M2 03M1 03D 03MW0006 03MW0007A 03MW0014A 03MW0020 03MW0122A 03MW0709 03MW0710 04S 05S 05M2 05M1 05D 06S 07S 07M2 07M1 07D 08S 09S 10S 10M1 10D 11S 12S 14S 15S 15D 17S 17M3 17M2 17M1 17D 18S 18M2 18M1 18D 19S 19D 20S 21S 21M3 21M2 21M1 21D 22S 23S 23M3 23M2 23M1 23D 25S 26S 27S 28S 28M2 28M1 29S 31S 34M3 34M2 34M1 35S 35M2 35M1 36S 36M2 36M1 37M3 37M2 37M1 38S 38M4 38M3 38M2 38M1 38D 39S 39M2 39M1 40S 40M1 41M3 41M2 41M1 43S 43M2 43M1 44S 44M2 44M1 45S 45M2 45M1 46S 46M3 46M2 46M1 46D 47S 47M3 47M2 47M1 47D 48S 48M3 48M2 48M1 48D 49S 49M3 49M2 49M1 49D 50S 50M3 50M2 50M1 50D 51S 51M3 51M2 51M1 51D 52S 52M3 52M2 52M1 52D 53S 53M3 53M2 53M1 53D 54S 54M3 54M2 54M1 54D 55S 55M3 55M2 55M1 55D 56S 56M3 56M2 56M1 56D 57S 57M3 57M2 57M1 57D 58MW0001 58MW0002 58MW0003 58MW0004 58MW0005E 58MW0006E 58MW0007A 58MW0007B 58MW0007C 58MW0007E 58MW0008E 58MW0009C 58MW0009E 58MW0010A 58MW0010B 58MW0011D 58MW0011E 58MW0015A 58MW0015B 58MW0016A 58MW0016B 58MW0016C 58MW0017A 58MW0017B 58MW0017C 58MW0018A 58MW0018B 58MW0018C 59S 59M2 59M1 60S 61S 62S 63S 63M3 63M2 63M1 63D 64S 64M2 64M1 68S 68M1 69S 69M2 69M1 70S 70M1 71S 71M1 72S 73S 90MW0003 90MW0004 90MW0005 90MW0007 90MW0008B 90MW0013 90MW0014 90MW0019 90MW0022 90MW0027 90MW0031 90MW0038 90MW0054 90WT0003 90WT0005 90WT0008 90WT0010 90WT0013 90WT0015 J1P-1 J1P-16 J1P-17 J1P-18 J2P-12 J2P-13 J2P-14 J2P-15 J2P-16 J3P-10 J3P-17 J3P-18 J3P-19 J3P-20 J3P-21 J3P-22 J3P-27 LP-5 LP-6 LP-7 LP-8 MW-181 MW-187 MW-188 MW-189 MW-190 MW-191 MW-192 MW-193 MW-194 MW-195 MW-196 MW-197 MW-198 SNP3-91 SNP4-91 ECMWSNP02D ECMWSNP02S ECMWSNP03D ECMWSNP03S

Scale 1" = 1,200 Feet

LEGEND

- Validated Detection Greater than or Equal to Maximum Contaminant Level/Health Advisories
- Validated Detection less than Maximum Contaminant Level/Health Advisories
- Validated Non-detect
- No Data Available
- Proposed Well
- Water Table Contour (feet above mean sea level)
- Current Gun Position
- Current Mortar Position
- Old Gun Position
- Old Mortar Position
- Military Ranges
- Military Training Areas
- Validated Non-Detect Water Supply Well
- Future Supply Well

Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

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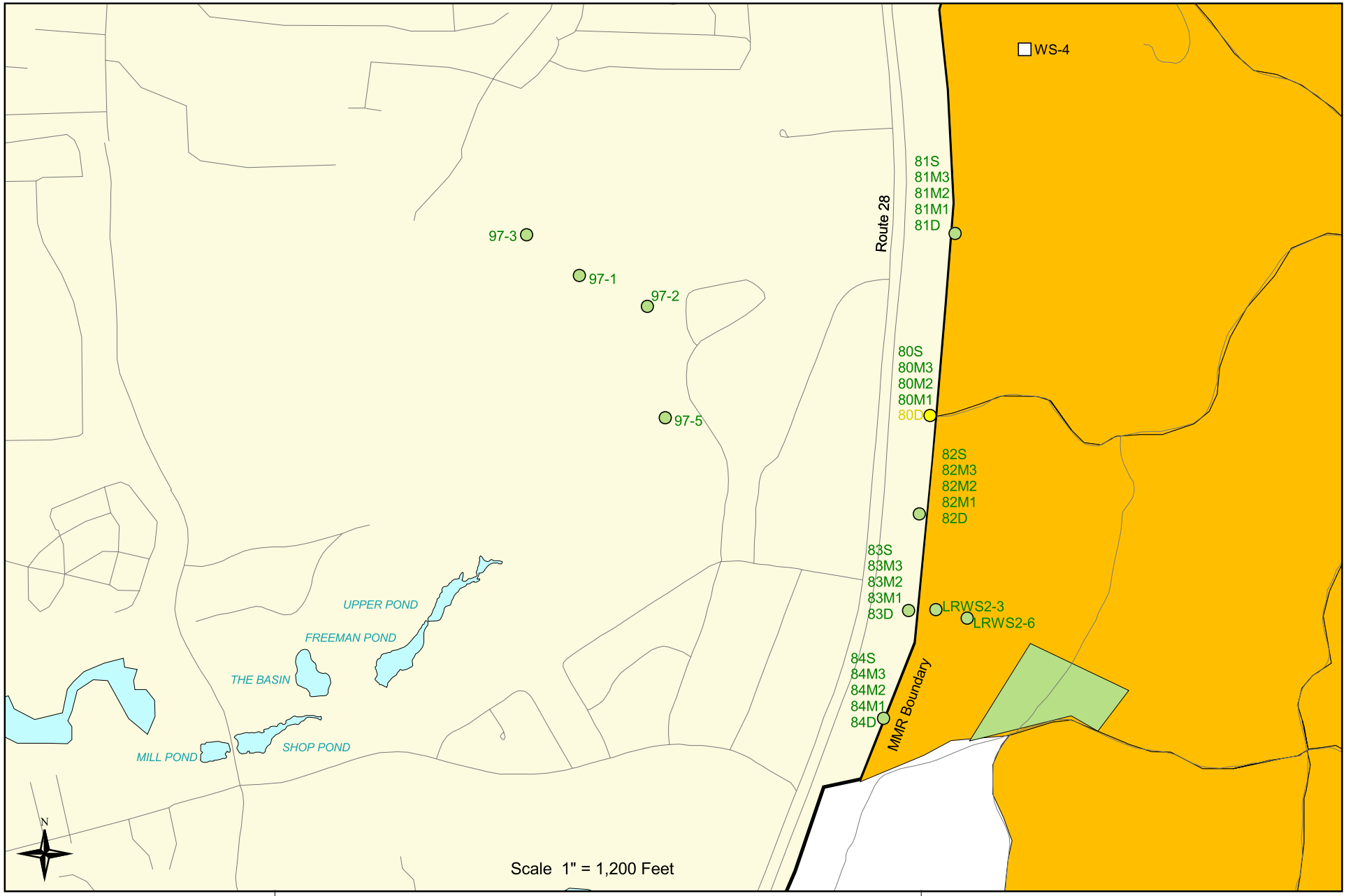
IAGWSP Impact Area Groundwater Study Program

Figure 5 - INSET MAP A

Semi-Volatile Organic Compounds (excluding BEHP) in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 3/29/02



Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

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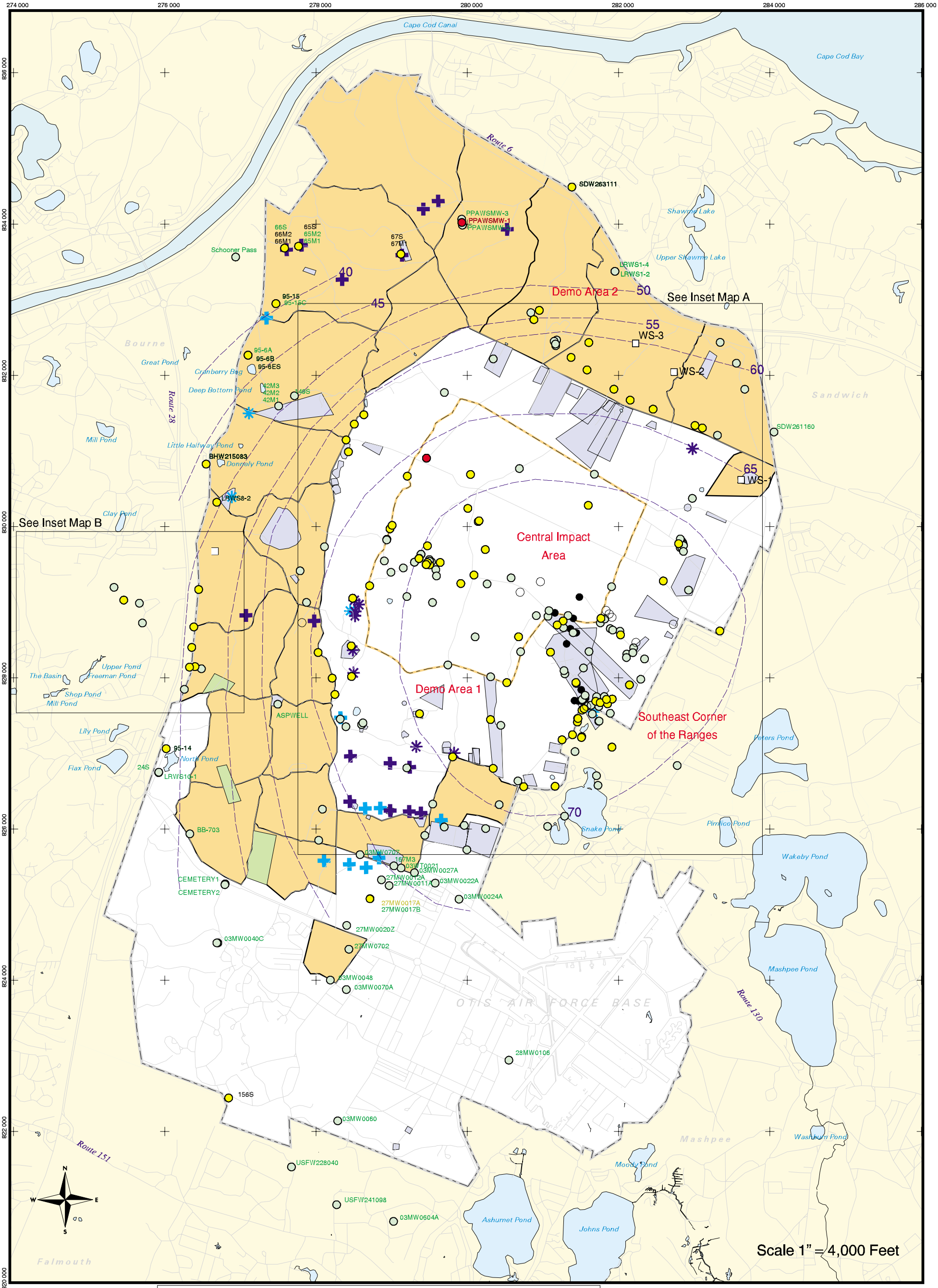
G:\MMR\MMR\ArcVprj\monthly_inset.apr

- Validated Detection Less than Maximum Contaminant Level/Health Advisories
- Validated Non-Detect
- Validated Non-Detect Water Supply Well
- Future Supply Well
- Combat Training Areas
- MilitaryTraining Areas

IAGWSP Impact Area Groundwater Study Program

Figure 5 - INSET MAP B

Semi-Volatile Organic Compounds (excluding BEHP) in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 3/29/02



LEGEND

- Validated Detection Greater than or Equal to Maximum Contaminant Level/Health Advisories
- Validated Detection less than Maximum Contaminant Level/Health Advisories
- Validated Non-detect
- No Data Available
- Proposed Well
- Combat Training Areas
- Military Training Areas
- Military Ranges
- Water Table Contour (feet above mean sea level)
- Current Gun Position
- Current Mortar Position
- Old Gun Position
- Old Mortar Position
- Validated Non-Detect Water Supply Well
- Future Supply Well

Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

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Figure 7

Herbicides and Pesticides in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 3/29/02

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278 000 279 000 280 000 281 000 282 000 283 000

832 000 831 000 830 000 829 000 828 000 827 000

45 50 55 60 65

Demo Area 2

Central Impact Area

Demo Area 1

Southeast Corner of the Ranges

Doughnut Pond
Gibbs Pond
Round Swamp
Baileys Pond
Grassy Pond
Succonsette Pond
Opening Pond
Ox Pond
Peters Pond
Snake Pond
Weeks Pond
Pimlico Pond
J-3 Wetland
Bypass Bog

Burgoyne Rd
Gibbs Rd
Spruce Swamp Rd
Jefferson Rd
Pocasset Sandwich Rd
Wood Rd
Barlow Rd
Greenway Rd
Tank Alley
Turpentine Rd
Wheelock Rd
Pocasset Forestdale Rd
Raccoon Ln
Arnold Rd
Snake Pond Rd
Rt 130

WS-1 WS-2 WS-3
RW-1 RW-3
LRMW0003
LRWS4-1 LRWS5-1 LRWS6-1 LRWS7-1
RANGECON RRAP-1
SMR-2 SMR-3 SMR-4
TEXTRONPW-1 TEXTRONPW-2
J1P-1 J1P-18 J2P-12 J2P-13 J2P-14 J2P-15 J2P-16 J3P-10

160S 161S 16S 16D
53S 53M3 53M2 53M1 53D
11MW0002 11MW0003 11MW0004 11MW0001
17S 17M3 17M2 17M1 17D
52S 52M3 52M2 52M1 52D
62S
54S 54M3 54M2 54M1 54D
55S 55M3 55M2 55M1 55D
63S 63M3 63M2 63M1 63D
48S 48M3 48M2 48M1 48D
49S 49M3 49M2 49M1 49D
18S 18M2 18M1 18D
10S 10M1 10D
50S 50M3 50M2 50M1 50D
51S 51M3 51M2 51M1 51D
23S 23M3 23M2 23M1 23D
72S
41M3 41M2 41M1
43S 43M2 43M1
03S 03M2 03M1 03D
04S
11S
05S 05M2 05M1 05D
02S 02M2 02M1 02D
59S 59M2 59M1
26S
39S 39M2 39M1
58MW0018A 58MW0018B 58MW0018C
58MW0007C 58MW0007B 58MW0007E
58MW0017A 58MW0017B 58MW0017C
38S 38M4 38M3 38M2 38M1 38D
58MW0003
58MW0009C 58MW0009E 58MW0010A 58MW0010B
58MW0015A 58MW0015B 58MW0004 58MW0005E
58MW0008E
58MW0011D 58MW0011E
58MW0002 58MW0001
58MW0016A 58MW0016B 58MW0016C
58MW0006E
09S 94S 94M2 94M1
25S
22S
174S
15S 15D
37M3 37M2 37M1
01S 01M2 01M1 01D
40S 40M1
27S
104S 104M2 104M1
08S
71S 71M1
70S 70M1
21S 21M3 21M2 21M1 21D
46S 46M3 46M2 46M1 46D
69S 69M2 69M1
47S 47M3 47M2 47M1 47D
14S
61S
28S 28M2 28M1
19S 19D
20S
36S 36M2 36M1
34M3 34M2 34M1
35S 35M2 35M1
60S
64S 64M2 64M1
68S 68M1
109S
151S
150S
03MW0710
03MW0122A
03MW0007A
03MW0014A
03MW0006
03MW0709
03MW0020
56S 56M3 56M2 56M1 56D
90WT0008
06S
MW-187 MW-188 MW-189 MW-190 MW-191 MW-192 MW-193 MW-194 MW-195 MW-196 MW-197 MW-198 MW-199 MW-181
164M3 164M2 164M1
166M3 166M2 166M1
168M3 168M2 168M1
126S 126M1
118M2 118M1
152M2 152M1
07S 07M2 07M1 07D
58S
136S 136M1
13S 13D
127S
128S 128M2 128M1
125S 125M1
163S
132S 132M1
29S
119S
130S 130M1 130D
117S
137S
120S 120M1
176S
121S
122S
154S 154M1
158S 158M2 158M1
131S 131M2 131M1
147M3 147M2 147M1
153M3 153M2 153M1
146S 146M1
45S 45M2 45M1
144S 144M2 144M1
143M3 143M2 143M1
145S 145M1
148S 148M1
142S 142M2 142M1
155M2 155M1
157M2 157M1 157D
90MW0029B 90MW0007 90MW0013 90MW0021 90MW0014 90MW0022 90MW0038 90MW0031 90MW0019 90MW0004 90MW0054 90MW0003 90MW0005
90WT0013 90WT0003 90WT0015 140M1 90WT0005
15MW0008 15MW0007 15MW0004 15MW0002
15WT0712 15MW0006 15MW0001 15WT0007 15MW0009 15MW0005
15WT0711
170M3 170M2 170M1
57S 57M3 57M2 57M1 57D
J2P-16
90WT0010
ECMWSNP02S ECMWSNP02D
ECMWSNP03S ECMWSNP03D
SNP3-91 SNP4-91

Scale 1" = 1,200 Feet

Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

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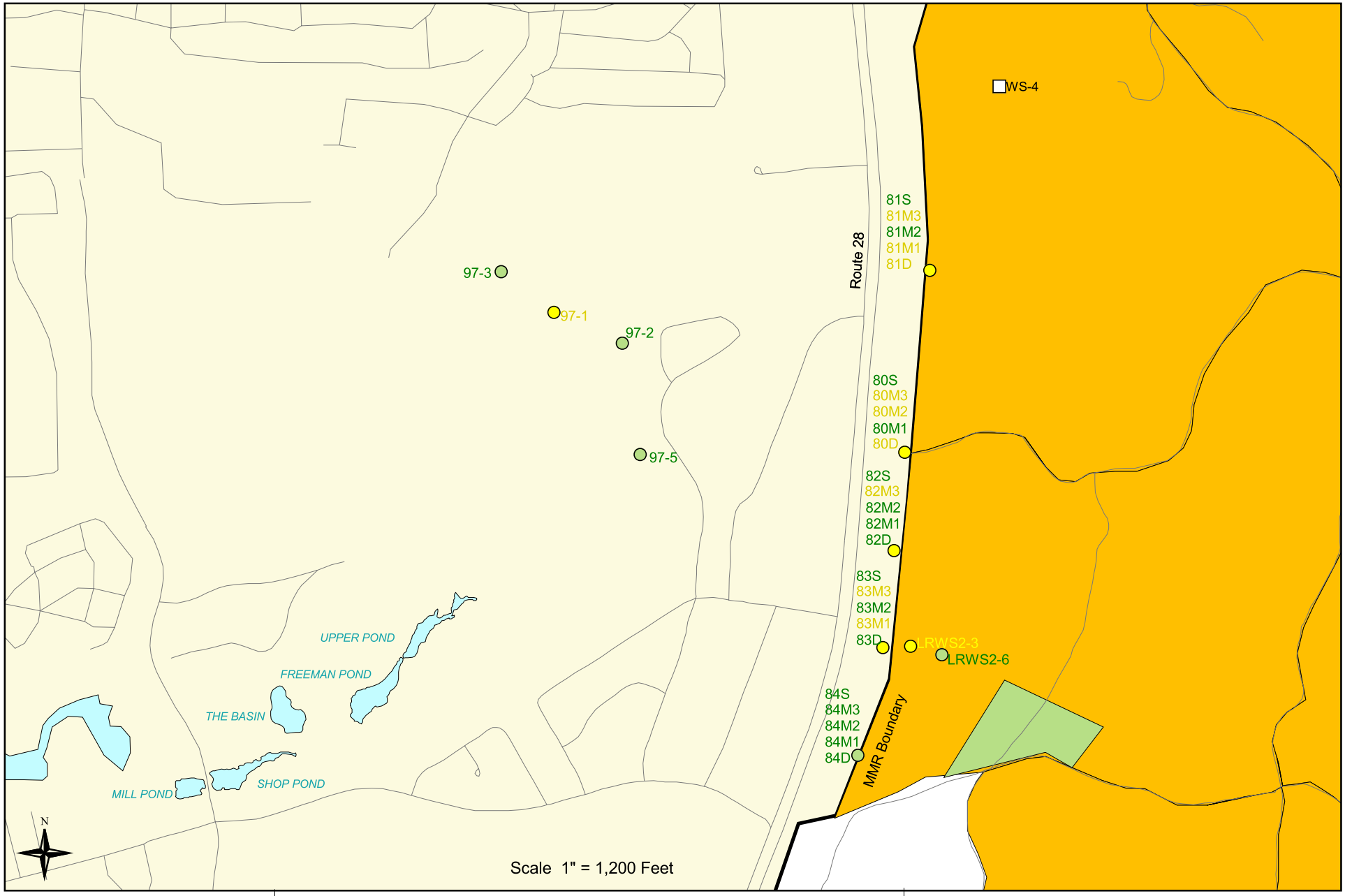
LEGEND

- Validated Detection Greater than or Equal to Maximum Contaminant Level/Health Advisories
- Validated Detection less than Maximum Contaminant Level/Health Advisories
- Validated Non-detect
- No Data Available
- Proposed Well
- Water Table Contour (feet above mean sea level)
- Current Gun Position
- Current Mortar Position
- Old Gun Position
- Old Mortar Position
- Military Ranges
- Military Training Areas
- Validated Non-Detect Water Supply Well
- Future Supply Well

IAGWSP Impact Area Groundwater Study Program

Figure 7 - INSET MAP A

Herbicides and Pesticides in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 3/29/02



Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

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- Validated Detection Less than Maximum Contaminant Level/Health Advisories
- Validated Non-Detect
- Validated Non-Detect Water Supply Well
- Future Supply Well
- Combat Training Areas
- MilitaryTraining Areas

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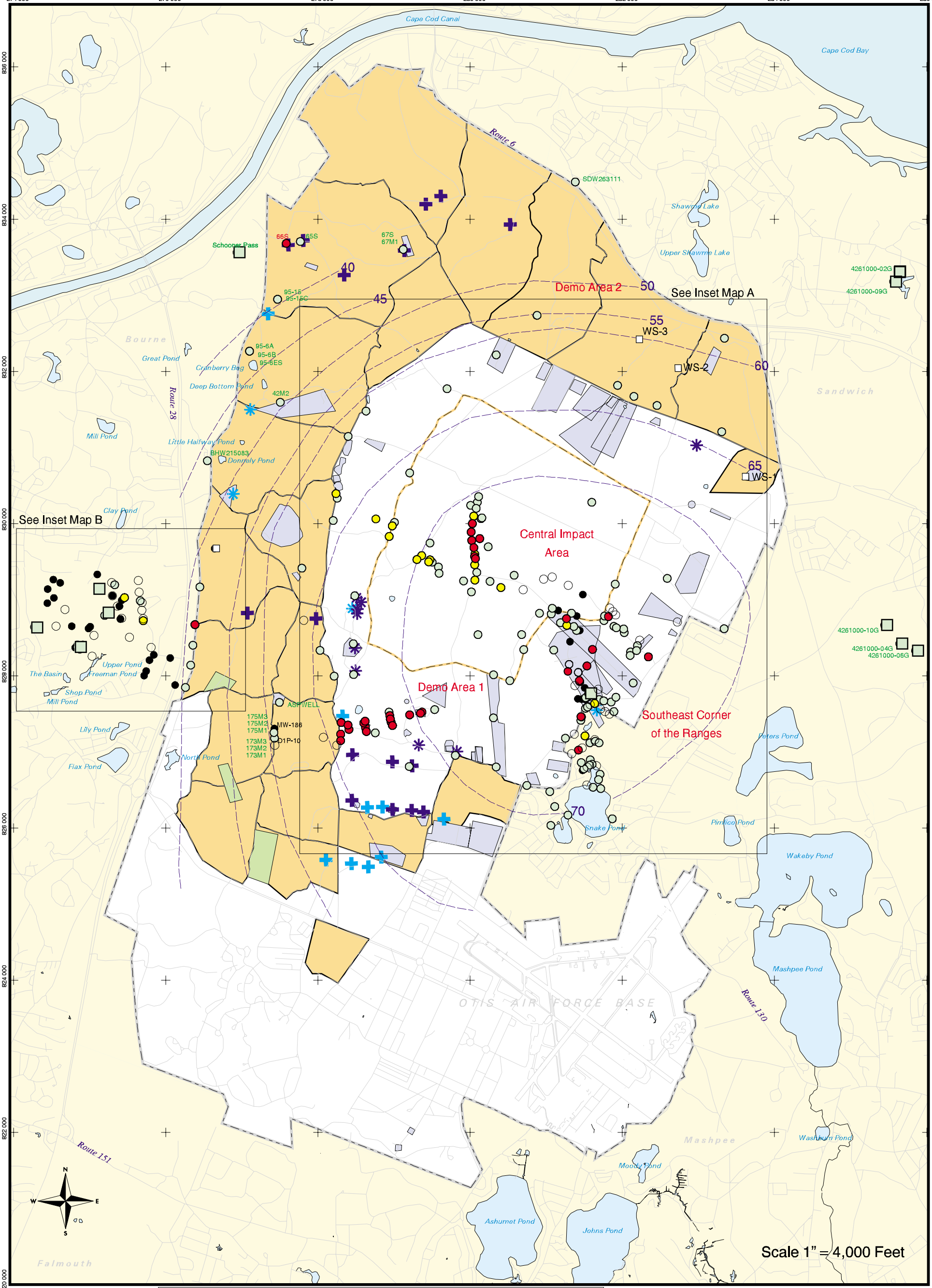
Figure 7 - INSET MAP B

Herbicides and Pesticides in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 3/29/02



LEGEND

- Validated Detection Greater than or Equal to EPA MMR Relevant Standard
- Validated Detection Less than EPA MMR Relevant Standard
- Validated Non-detect
- No Data Available
- Proposed Well
- Combat Training Areas
- Military Training Areas
- Military Ranges
- Water Table Contour (feet above mean sea level)
- Current Gun Position
- Current Mortar Position
- Old Gun Position
- Old Mortar Position
- Validated Non-Detect Water Supply Well
- Future Supply Well

Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

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Figure 8
Perchlorate in Groundwater
Compared to EPA MMR Relevant Standard
Validated Data as of 3/29/02

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278 000 279 000 280 000 281 000 282 000 283 000

832 000 831 000 830 000 829 000 828 000

Demo Area 2

Central Impact Area

Demo Area 1

Southeast Corner of the Ranges

45 50 55 60 65 70

Doughnut Pond
Gibbs Pond
Round Swamp
Baileys Pond
Grassy Pond
Ox Pond
Succonsette Pond
Opening Pond
Bypass Bog
J-3 Wetland
Peters Pond
Snake Pond
Weeks Pond
Pimlico Pond

Burgoyne Rd
Gibbs Rd
Spruce Swamp Rd
Jefferson Rd
Pocasset Sandwich Rd
Wood Rd
Barlow Rd
Tank Alley
Turpentine Rd
Wheelock Rd
Pocasset Forestdale Rd
Raccoon Ln
Arnold Rd
Greenway Rd
Snake Pond Rd
Rt 130

16S
62S
10S 10M1 10D
50M1
23M1
43M2
54S 54M3 54M2 54M1 54D
55S 55M3 55M2 55M1 55D
63S 63M3 63M2 63M1 63D
LRMW0003
WS-3
WS-2
WS-1
18D
108M3 108M1
110M2 110M1
135M2 135M1
58MW0020B
58MW0018A
58MW0018B
58MW0018C
39S 39M2 39M1
58MW0007C
58MW0007B
38M4 38M3 38M2 38M1 38D
58MW0009E
58MW0011D
58MW0011E
58MW0002
58MW0001
58MW0006E
58MW0016B
58MW0016C
25S
174S
71S 71M1
RRAP-1
70S
21D
46S 46M3 46M2 46M1 46D
69S
113M2 113M1
62S 02M2 02M1 02D
112M2 112M1
92M1
98S 98M1
59S 59M2 59M1
26S
99S 99M1
100M2 100M1
101S 101M1
105M2 105M1
93M2 93M1
44S
91S 91M1
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OW-2
OW-1
90S 90M1
01S 01M2
85S 85M1
37M3
40M1
27S
107M2 107M1
115S 115M1
61S
28S 28M2 28M1
60S
109S
68S
64S 64M2 64M1
31S 31M1 31D
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19S
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74M3 74M2 74M1
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76S 76M2 76M1
78S 78M3 78M2 78M1
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114M2 114M1
129M3 129M2 129M1
162M3 162M2 162M1
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D1P-11
J1P-18
J1P-16
J1P-17
J1P-1
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12S
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06S
MW-187
MW-188
164M3 164M2 164M1
118M2 118M1
126S 126M1
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168M3 168M2 168M1
58S
191M2
MW-189
136S 136M1
MW-190
13S 13D
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07S 07M2 07M1 07D
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J2P-12
J2P-14
29S
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117S
137S
120S 120M1
SMR-2
J2P-16
J2P-15
116S
121S
122S
154S 154M1
158S 158M2 158M1
57S 57M3 57M2 57M1 57D
128S 128M2 128M1
J3P-23
J3P-21
125S 125M1
163S
132S 132M1
MW-193
J3P-17
LP-8
153M3 153M2 153M1
TEXTRONPW-1
MW-194
MW-195
147M3 147M2 147M1
146S 146M1
33S
144S 144M2 144M1
MW-198
MW-197
MW-196
181S
J3P-10
90WT0013
90WT0004
LP-7
LP-6
140M1
143M3 143M2 143M1
90MW0022
145S 145M1
148S 148M1
LP-5
142S 142M2 142M1
J3P-27
J3P-18
155M2 155M1
J3P-20
157M2 157M1 157D
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90MW0071
90MW0063
90MW0054
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90PZ0204
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90MW0102A
J3P-24
90PZ0208
90SNP001
169M2 169M1
J3P-26
171M3 171M2 171M1
90SNP002
56S 56M3 56M2 56M1 56D
RS0018
RS0011
SNP4-91
90MW105
RS0021
90MW104

Scale 1" = 1,200 Feet

LEGEND

- Validated Detection Greater than or Equal to EPA MMR Relevant Standard
- Validated Detection Less than EPA MMR Relevant Standard
- Validated Non-detect
- No Data Available
- Proposed Well
- Water Table Contour (feet above mean sea level)
- Current Gun Position
- Current Mortar Position
- Old Gun Position
- Old Mortar Position
- Military Ranges
- Military Training Areas
- Validated Non-Detect Water Supply Well
- Future Supply Well

Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

amec April 09, 2002 DRAFT

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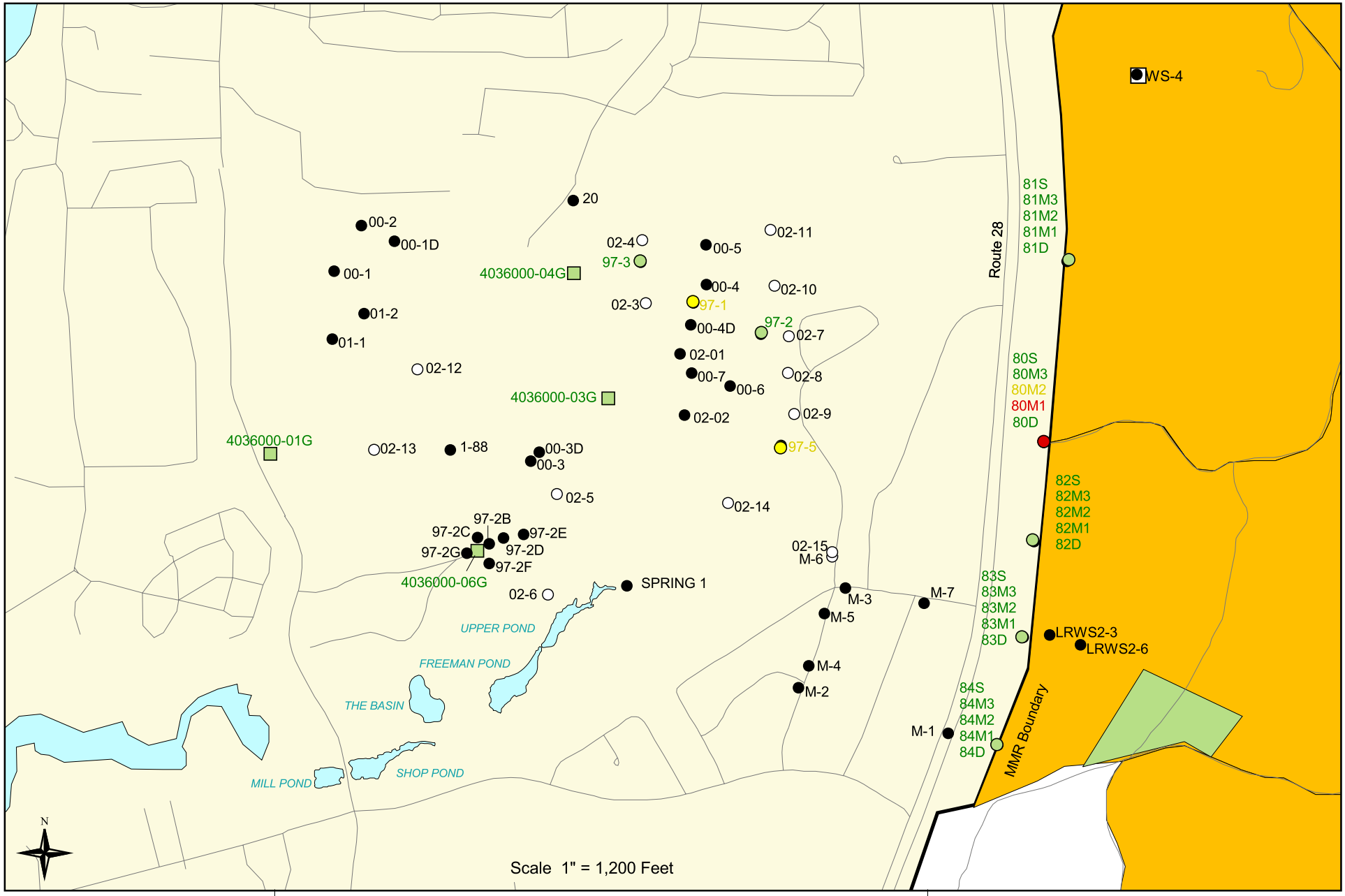
IAGWSP Impact Area Groundwater Study Program

Figure 8 - INSET MAP A
Perchlorate in Groundwater
Compared to EPA MMR Relevant Standard
Validated Data as of 3/29/02



Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

amec April 9, 2002 DRAFT

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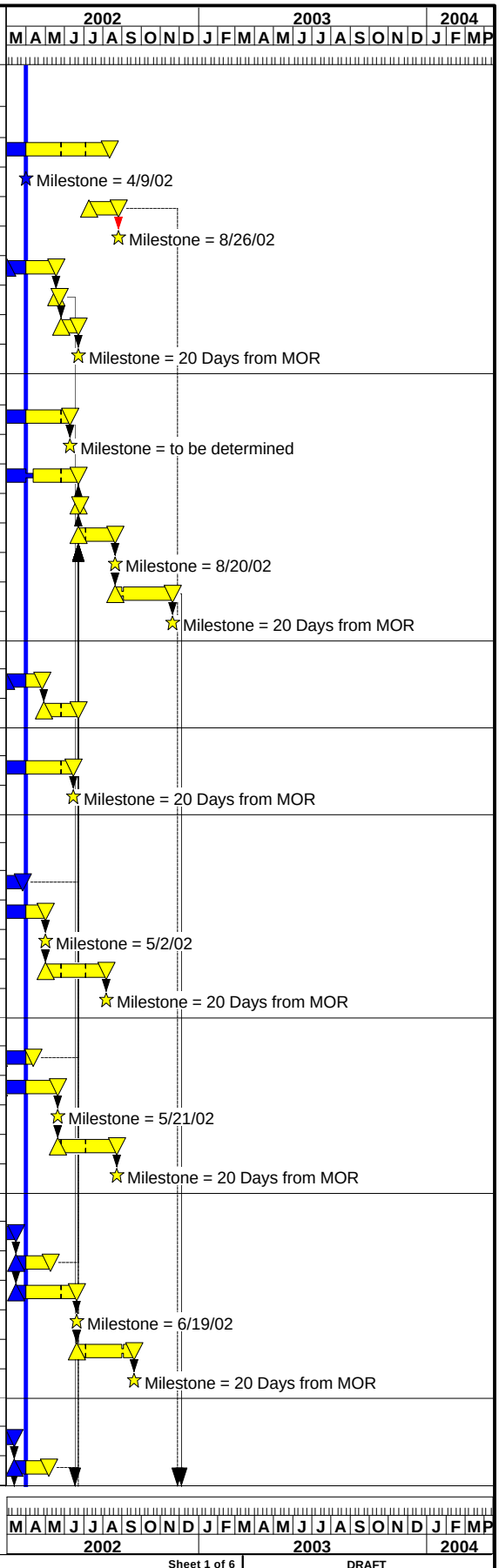
- Validated Detection Greater than or Equal to Maximum Contaminant Level/Health Advisories
- Validated Detection Less than Maximum Contaminant Level/Health Advisories
- Validated Non-Detect
- Validated Non-Detect Water Supply Well
- No Data Available
- Future Supply Well
- Proposed Well
- Combat Training Areas
- MilitaryTraining Areas

IAGWSP Impact Area Groundwater Study Program

Figure 8 - INSET MAP B

Perchlorate in Groundwater
Compared to EPA MMR Relevant Standard
Validated Data as of 3/29/02

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Site Characterization (AO1)					
Demo Area 1					
00190	Additional GW Delineation		95	26NOV01A	13AUG02
00191	D1P-9 Results	YES	0		01APR02A
00193	Prepare GW Report Addendum		34	10JUL02*	26AUG02
00194	Draft GW Report Addendum	YES	0		26AUG02
00169	Guard Prepare/Submit MOR (if needed)		35	01MAR02A	17MAY02
00171	EPA Approve MOR (if needed)		5	20MAY02	24MAY02
00172	Guard Prepare Final Soil Report		20	28MAY02	24JUN02
00159	Demo 1 Final Soil Report	YES	0		24JUN02
Central Impact Area					
00285	Install 17 Additional Well Nests		50	13DEC01A	10JUN02
00287	Complete 17 Additional Well Nests	YES	0		10JUN02
00290	Revise Draft Soil Report		51	17JUL01A	24JUN02
00260	Coordination Meeting CIA Soil Report		1	25JUN02	25JUN02
00261	Final Revisions CIA Soil Report		40	25JUN02	20AUG02
00262	Submit Draft Final CIA Soil Report	YES	0		20AUG02
00263	Revise Draft Final CIA Soil Report		65	21AUG02	20NOV02
00292	Final Soil Report	YES	0		20NOV02
Impact Area Targets (Phase 2)					
01850	Targets Investigation (Phase 2)		20	25FEB02A	26APR02
01860	Lab Analysis/Data Validation		40	29APR02	24JUN02
High Use Target Area 1					
01190	HUTA Revise Draft Report		54	01NOV01A	14JUN02
01195	HUTA Final Report	YES	0		14JUN02
High Use Target Area 2					
Site #1					
01904	Lab Analysis/Data Validation		0	28JAN02A	25MAR02A
01905	Prepare Report		24	28JAN02A	02MAY02
01907	Submit Draft Report (w/ analytical)	YES	0		02MAY02
01908	Revise Draft Report		65	03MAY02	05AUG02
01909	Submit Final Report	YES	0		05AUG02
Site #2					
01914	Lab Analysis/Data Validation		9	14FEB02A	11APR02
01915	Prepare Report		37	14FEB02A	21MAY02
01917	Submit Draft Report (w/ analytical)	YES	0		21MAY02
01918	Revise Draft Report		65	22MAY02	22AUG02
01919	Submit Final Report	YES	0		22AUG02
Site #3					
01923	Fieldwork		0	20DEC01A	14MAR02A
01924	Lab Analysis/Data Validation		29	15MAR02A	09MAY02
01925	Prepare Report		57	15MAR02A	19JUN02
01927	Submit Draft Report (w/ analytical)	YES	0		19JUN02
01928	Revise Draft Report		65	20JUN02	20SEP02
01929	Submit Final Report	YES	0		20SEP02
Site #4					
01933	Fieldwork		0	31DEC01A	11MAR02A
01934	Lab Analysis/Data Validation		26	12MAR02A	06MAY02



Project Start 29FEB00
Project Finish 14AUG06
Data Date 01APR02
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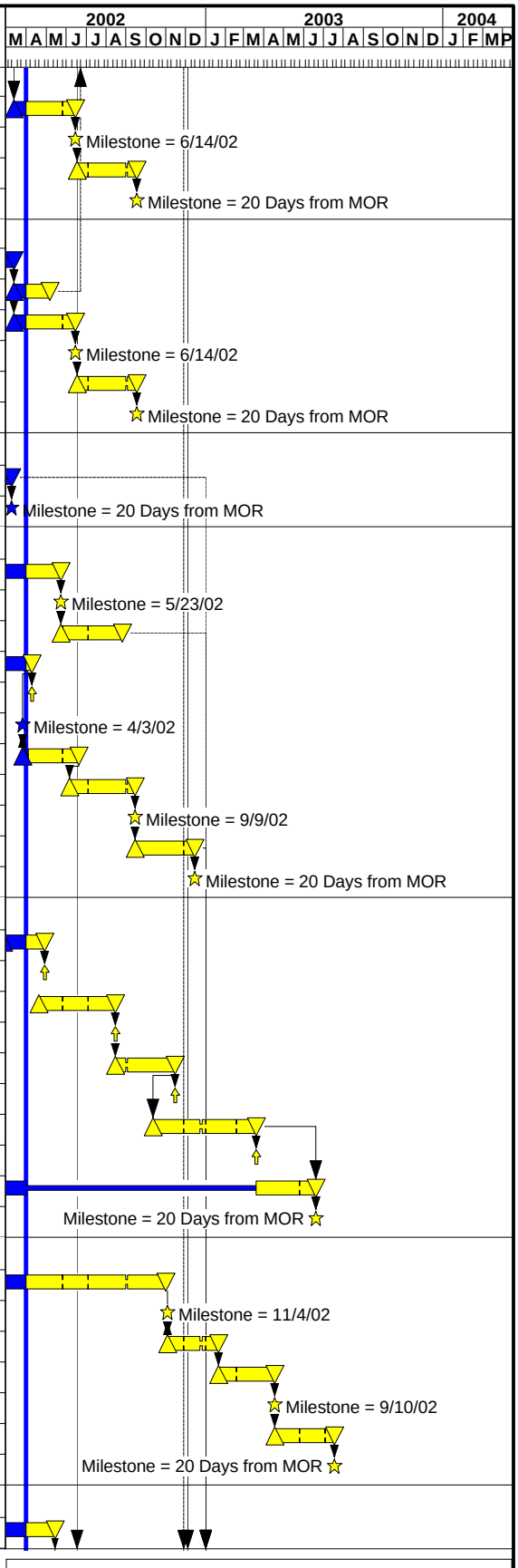
Date	Revision	Checked	Approved

Figure 9. Revised Combined Schedule for the Impact Area GW Study Program as of 4/1/02

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Site #4					
01935	Prepare Report		54	12MAR02A	14JUN02
01937	Submit Draft Report (w/ analytical)	YES	0		14JUN02
01938	Revise Draft Report		65	17JUN02	17SEP02
01939	Submit Final Report	YES	0		17SEP02
Site #5					
01943	Fieldwork		0	31DEC01A	11MAR02A
01944	Lab Analysis/Data Validation		26	12MAR02A	06MAY02
01945	Prepare Report		54	12MAR02A	14JUN02
01947	Submit Draft Report (w/ analytical)	YES	0		14JUN02
01948	Revise Draft Report		65	17JUN02	17SEP02
01949	Submit Final Report	YES	0		17SEP02
J-2 Range					
00397	J-2 Range Revise Draft Report		0	04DEC01A	08MAR02A
00398	J-2 Range Final Report	YES	0		08MAR02A
J-1/J-3 Range					
00495	Additional Delineation Report Prep.		39	12NOV01A	23MAY02
00496	Additional Delineation Draft Report	YES	0		23MAY02
00497	Additional Delineation Rev. Draft Report		65	24MAY02	26AUG02
00482	Revise Draft ADWP #2		8	26DEC01A	10APR02
00483	Submit Final ADWP #2		0		10APR02
00484	Start J-1/J-3/L Addn'l Delineation	YES	0	27MAR02A	
00485	Additional Delineation Investigation		55	27MAR02A	20JUN02
00486	J1/J3/L Range Draft Final Rep. Prep.		70	06JUN02	13SEP02
00487	J1/J3/L Range Draft Final Report	YES	0		13SEP02
00488	Revise J1/J3/L Range Draft Final Rep.		65	16SEP02	16DEC02
00489	J1/J3/L Range Final Report	YES	0		16DEC02
Gun/Mortar Positions					
00567	Revise G/M Draft ACWP		21	22FEB02A	29APR02
00568	Submit G/M Final ACWP		0		29APR02
00570	Additional Characterization G/M		82	22APR02*	15AUG02
00575	Submit Final COCs/Draft ADWP		0		15AUG02
00577	Revise G/M Draft ADWP		65	16AUG02	15NOV02
00578	Submit G/M Final ADWP		0		15NOV02
00580	Additional Delineation G/M Positions		110	14OCT02	20MAR03
00585	Submit Draft Final G/M Report		0		20MAR03
00549	Gun/Mortar Rev. Draft Final		65	01AUG01A	20JUN03
00550	Gun/Mortar Final Report	YES	0		20JUN03
Training Areas					
00860	Training Areas Background		152	20MAR00A	01NOV02
00862	Start Training Areas Fieldwork	YES	0	04NOV02	
00864	Training Areas Fieldwork		54	04NOV02	21JAN03
00870	Training Areas Report Preparation		60	22JAN03	16APR03
00880	Submit Training Areas Draft Report	YES	0		16APR03
00890	Training Areas Rev. Draft Report		65	17APR03	18JUL03
00895	Training Areas Final Report	YES	0		18JUL03
Phase II(b)					
01560	Revise Draft Report		34	20AUG01A	16MAY02



Project Start	29FEB00
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Run Date	09APR02

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Figure 9. Revised Combined Schedule for the Impact Area GW Study Program as of 4/1/02

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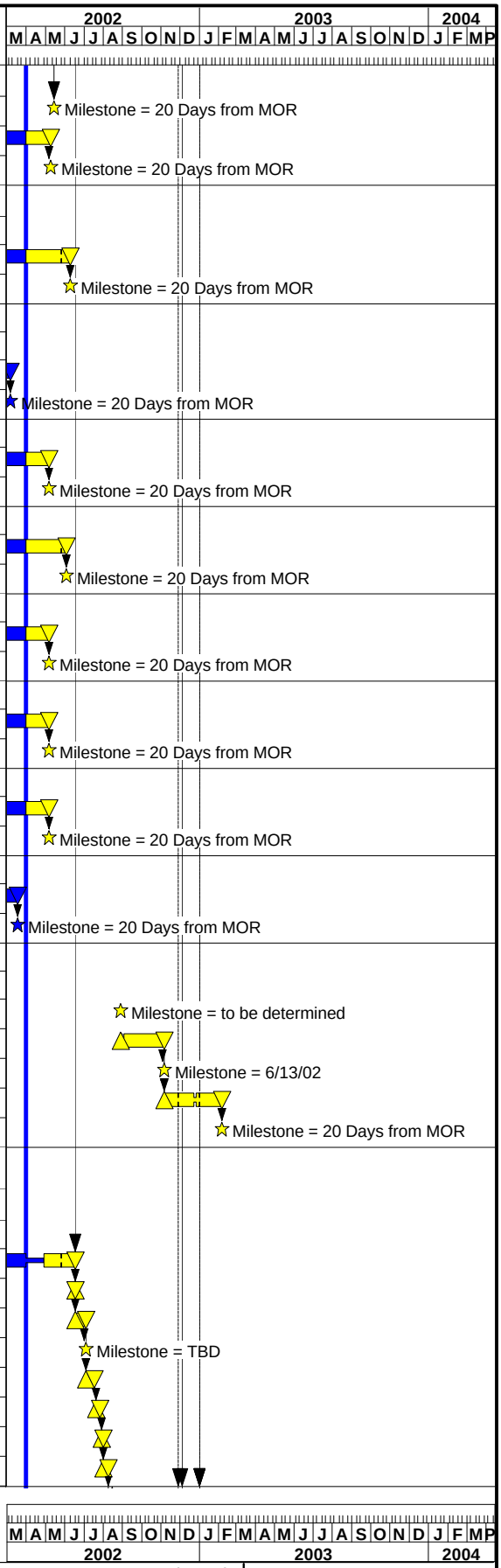
Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Phase II(b)					
01570	Phase II(b) Final Report	YES	0		16MAY02
01576	Revise Draft Report		29	24JAN02A	09MAY02
01578	Former A/K/Demo 2 Final Report	YES	0		09MAY02
Munition Survey Project					
MSP Phase I					
01625	Revise Revised MSP Phase I Draft		50	04SEP01A	10JUN02
01630	Submit MSP Phase I Final Report	YES	0		10JUN02
MSP Phase II					
AirMag Target Lists					
01708	Revise Draft Report		0	06NOV01A	07MAR02A
01709	Submit Final Report	YES	0		07MAR02A
Demo 1 Validation					
01718	Revise Draft Report		27	22OCT01A	07MAY02
01719	Submit Final Report	YES	0		07MAY02
Slit Trench Validation					
01728	Revise Draft Report		46	07NOV01A	04JUN02
01729	Submit Final Report	YES	0		04JUN02
ASP Geophysics					
01748	Revise Draft Report		27	26OCT01A	07MAY02
01749	Submit Final Report	YES	0		07MAY02
Former K Range					
01758	Revise Draft Report		27	05NOV01A	07MAY02
01759	Submit Final Report	YES	0		07MAY02
Former A Range					
01768	Revise Draft Report		27	20NOV01A	07MAY02
01769	Submit Final Report	YES	0		07MAY02
Demo Area 2					
01788	Revise Draft Report		0	06DEC01A	19MAR02A
01789	Submit Final Report	YES	0		19MAR02A
MSP Phase III					
CIA MSP Sites #1 and #2					
01794	Complete Fieldwork	YES	0		29AUG02
01795	Prepare Report		47	30AUG02	05NOV02
01797	Submit Draft Report	YES	0		05NOV02
01798	Revise Draft Report		65	06NOV02	07FEB03
01799	Submit Final Report	YES	0		07FEB03
Feasibility Studies (AO3)					
Demo Area 1					
Soil Operable Unit					
21190	Revise Draft FS Screening Report		35	22JUN01A	17JUN02
21191	Coordination Meeting		1	18JUN02	18JUN02
21192	Final Revisions Demo 1 FSSR		11	19JUN02	03JUL02
21193	Submit Draft Final Demo 1 FSSR	YES	0		03JUL02
21194	Agency Review & Comment		11	05JUL02	19JUL02
21195	Guard Prepare/Submit RCL		5	22JUL02	26JUL02
21196	Resolution Meeting (if needed)		1	31JUL02	31JUL02
21197	Guard Prepare/Submit MOR (if needed)		6	01AUG02	08AUG02



Project Start 29FEB00
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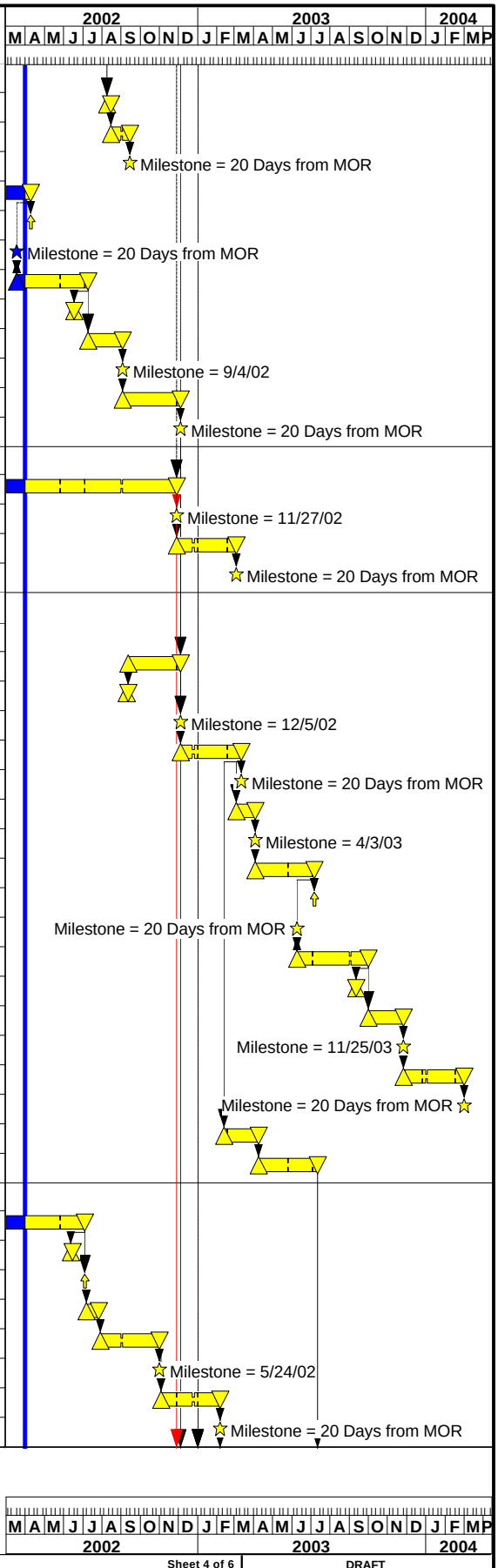
Date	Revision	Checked	Approved

Figure 9. Revised Combined Schedule for the Impact Area GW Study Program as of 4/1/02

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Soil Operable Unit					
21198	EPA Approve MOR (if needed)		5	09AUG02	15AUG02
21199	Guard Prepare Final FSSR (if needed)		20	16AUG02	13SEP02
21200	Final FS Screening Report	YES	0		13SEP02
21230	Revise Draft PSI Workplan		6	11JAN02A	08APR02
21240	Final Post-Screening Workplan		0		08APR02
21250	Start Post-Screening Investigation	YES	0	18MAR02A	
21260	Post-Screening Investigation		70	18MAR02A	09JUL02
21270	FS Scoping Meeting		1	18JUN02	18JUN02
21310	FS Preparation		40	10JUL02	04SEP02
21320	Draft FS	YES	0		04SEP02
21330	Revise Draft FS		65	05SEP02	05DEC02
21340	Final FS	YES	0		05DEC02
Groundwater Operable Unit					
21670	Revise Draft FS		170	02OCT01A	27NOV02
21675	Draft Final FS	YES	0		27NOV02
21678	Revise Draft Final FS		65	29NOV02	04MAR03
21680	Final FS	YES	0		04MAR03
Central Impact Area					
Soil Operable Unit					
22110	FS Screening Report Preparation		60	12SEP02	05DEC02
22112	Scoping Meeting for FSSR		1	11SEP02	11SEP02
22120	Draft FS Screening Report	YES	0		05DEC02
22130	Revise Draft FS Screening Report		65	06DEC02	11MAR03
22140	Final FS Screening Report	YES	0		11MAR03
22150	Post-Screening Invest. Workplan Prep.		22	05MAR03	03APR03
22160	Draft Post-Screening Invest. Workplan	YES	0		03APR03
22170	Revise Draft PSI Workplan		65	04APR03	07JUL03
22180	Final Post-Screening Workplan		0		07JUL03
22190	Start Post-Screening Investigation	YES	0	09JUN03	
22200	Post-Screening Investigation		80	09JUN03	30SEP03
22202	FS Scoping Meeting		1	10SEP03	10SEP03
22210	FS Preparation		40	01OCT03	25NOV03
22220	Draft FS	YES	0		25NOV03
22230	Revise Draft FS		65	26NOV03	01MAR04
22240	Final FS	YES	0		01MAR04
22250	(Draft FS if no PSI)		40	11FEB03	08APR03
22260	(Final FS if no PSI)		65	09APR03	10JUL03
Groundwater Operable Unit					
22390	Post-Screening Investigation		68	21SEP01A	05JUL02
22391	FS Scoping Meeting		1	14JUN02	14JUN02
22392	Draft Pump Test Report		0		05JUL02
22394	Review/Approve Pump Test Report		15	08JUL02	26JUL02
22400	FS Preparation		69	29JUL02	01NOV02
22410	Draft FS	YES	0		01NOV02
22420	Revise Draft FS		65	04NOV02	05FEB03
22430	Final FS	YES	0		05FEB03



Project Start	29FEB00
Project Finish	14AUG06
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Run Date	09APR02

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Figure 9. Revised Combined Schedule for the Impact Area GW Study Program as of 4/1/02

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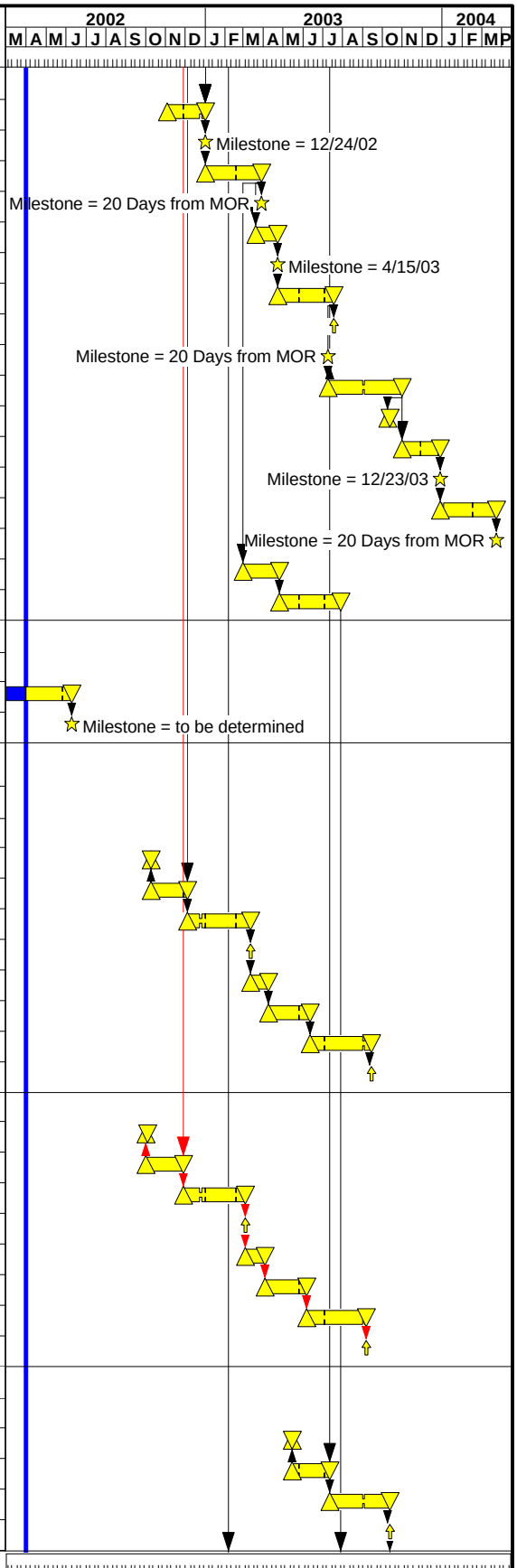
Date	Revision	Checked	Approved

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
SE Corner of Ranges					
23110	FS Screening Report Preparation		40	04NOV02	31DEC02
23120	Draft FS Screening Report	YES	0		31DEC02
23130	Revise Draft FS Screening Report		60	02JAN03	27MAR03
23140	Final FS Screening Report	YES	0		27MAR03
23150	Post-Screening Invest. Workplan Prep.		22	21MAR03	21APR03
23160	Draft Post-Screening Invest. Workplan	YES	0		21APR03
23170	Revise Draft PSI Workplan		60	22APR03	16JUL03
23180	Final Post-Screening Workplan		0		16JUL03
23190	Start Post-Screening Investigation	YES	0	10JUL03	
23200	Post-Screening Investigation		80	10JUL03	30OCT03
23202	FS Scoping Meeting		1	10OCT03	10OCT03
23210	FS Preparation		40	31OCT03	29DEC03
23220	Draft FS	YES	0		29DEC03
23230	Revise Draft FS		60	30DEC03	24MAR04
23240	Final FS	YES	0		24MAR04
23250	(Draft FS if no PSI)		40	28FEB03	24APR03
23260	(Final FS if no PSI)		65	25APR03	28JUL03
UXO					
UXO Operable Unit					
24130	Revise Draft FS Screening Report		50	21MAR01A	10JUN02
24140	Final FS Screening Report	YES	0		10JUN02
Remedy Selection (AO3)					
Demo Area 1					
Soil Operable Unit					
31105	Soil RS Plan Scoping Meeting		1	10OCT02	10OCT02
31110	Prepare Draft Remedy Selection Plan		40	10OCT02	05DEC02
31120	Revise Draft Remedy Selection Plan		65	06DEC02	11MAR03
31130	Remedy Selection Plan		0		11MAR03
31140	Public Comment Period		21	12MAR03	09APR03
31150	Draft Decision Doc/ Response		44	10APR03	11JUN03
31160	Revise Draft DD/RS		65	12JUN03	12SEP03
31170	Final Decision Doc/ Response		0		12SEP03
Groundwater Operable Unit					
31505	GW RS Plan Scoping Meeting		1	03OCT02*	03OCT02
31510	Prepare Draft Remedy Selection Plan		40	03OCT02	27NOV02
31520	Revise Draft Remedy Selection Plan		65	29NOV02	04MAR03
31530	Remedy Selection Plan		0		04MAR03
31540	Public Comment Period		21	05MAR03	02APR03
31550	Draft Decision Doc/ Response		44	03APR03	04JUN03
31560	Revise Draft DD/RS		65	05JUN03	05SEP03
31570	Final Decision Doc/ Response		0		05SEP03
Central Impact Area					
Soil Operable Unit (if no PSI)					
32105	Soil RS Plan Scoping Meeting		1	14MAY03	14MAY03
32110	Prepare Draft Remedy Selection Plan		40	14MAY03	10JUL03
32120	Revise Draft Remedy Selection Plan		65	11JUL03	10OCT03
32130	Remedy Selection Plan		0		10OCT03



Project Start 29FEB00
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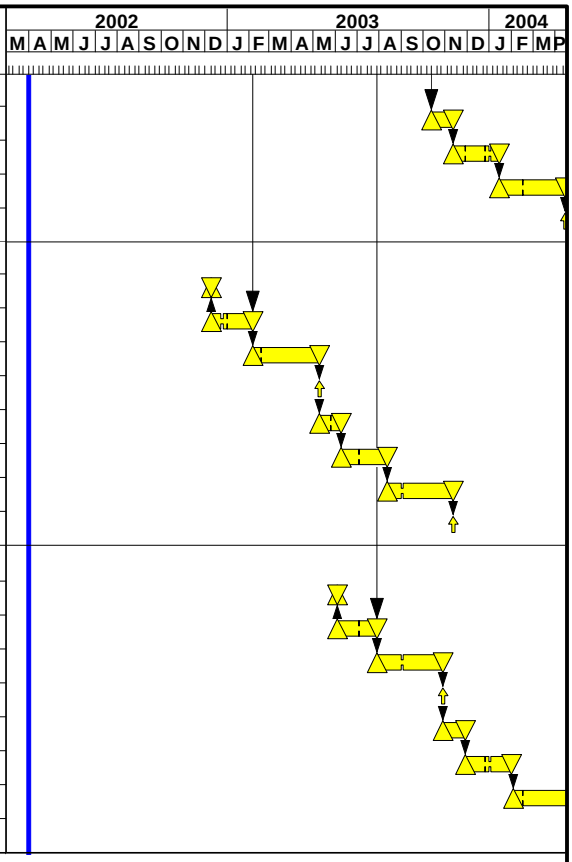
Figure 9. Revised Combined Schedule for the Impact Area GW Study Program as of 4/1/02

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Soil Operable Unit (if no PSI)					
32140	Public Comment Period		21	13OCT03	10NOV03
32150	Draft Decision Doc/ Response		44	11NOV03	14JAN04
32160	Revise Draft DD/RS		65	15JAN04	15APR04
32170	Final Decision Doc/ Response		0		15APR04
Groundwater Operable Unit					
32505	GW RS Plan Scoping Meeting		1	10DEC02	10DEC02
32510	Prepare Draft Remedy Selection Plan		40	10DEC02	05FEB03
32520	Revise Draft Remedy Selection Plan		65	06FEB03	08MAY03
32530	Remedy Selection Plan		0		08MAY03
32540	Public Comment Period		21	09MAY03	09JUN03
32550	Draft Decision Doc/ Response		44	10JUN03	11AUG03
32560	Revise Draft DD/RS		65	12AUG03	11NOV03
32570	Final Decision Doc/ Response		0		11NOV03
SE Corner of Ranges (if no PSI)					
33105	RS Plan Scoping Meeting		1	02JUN03	02JUN03
33110	Prepare Draft Remedy Selection Plan		40	02JUN03	28JUL03
33120	Revise Draft Remedy Selection Plan		65	29JUL03	28OCT03
33130	Remedy Selection Plan		0		28OCT03
33140	Public Comment Period		21	29OCT03	26NOV03
33150	Draft Decision Doc/ Response		44	28NOV03	30JAN04
33160	Revise Draft DD/RS		65	02FEB04	03MAY04
33170	Final Decision Doc/ Response		0		03MAY04



M A M J J A S O N D J F M A M J J A S O N D J F MP
2002
2003
2004

Project Start 29FEB00
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