WEEKLY PROGRESS UPDATE
FOR MARCH 19 – MARCH 23, 2001

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

The following summary of progress is for the period from March 19 to March 23, 2001.

1. SUMMARY OF ACTIONS TAKEN

Drilling progress as of March 23 is summarized in Table 1.

Table 1. Drilling progress as of March 23, 2001

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-158	J Range well (J2P-10)	305.5	214	89-99 124-134 176-186
MW-159	Ground Scar 8 well (GS8P-1)	210	182	
MW-160	Demo 2 well (D2P-1)	0		
MW-161	Demo 2 well (D2P-2)	30		

bgs = below ground surface
bwt = below water table

Completed well installation of MW-158 (J2P-10). Completed drilling at MW-159 (GS8P-1). Completed drilling of soil borings at the J-3 Melt Pour building. Commenced drilling of MW-160 (D2P-1) and MW-161 (D2P-2). Continued development of the newly installed wells. Continued UXO clearance at drill pads for Stage 2, J Range wells.

Samples collected during the reporting period are summarized in Table 2. Groundwater sampling continued for the first round of newly installed wells and FS-12 Response well 90MW0015. Groundwater profile samples were collected for MW-159. Groundwater samples were collected from soil borings at the melt-pour building on the J-3 Range. Soil samples were collected from soil borings at the melt-pour building on the J-3 Range and from soil grids at former K Range and the Gravity Anti-Tank Range. As part of the RRA, soil samples were also collected at Former H Range and Mortar Target 9. A solids sample was collected from the septic tank at the J-3 Range melt-pour building. Pre- and post-detonation soil samples were collected in the HUTA. As part of the HUTA investigation, soil samples beneath UXORM and wipe samples from debris were collected in Test Pit 4. Also as part of the HUTA investigation, soil samples beneath UXO and UXORM, soil and wipe samples from UXO, and wipe samples from debris were collected in Test Pit 6.

The Guard, EPA, and MADEP had a meeting on March 23 to discuss technical issues, including the following:

CS-18 and CS-19 Updates

Steven Hunt (Jacobs) provided an update on CS-18 and CS-19. One page handout was distributed.

- Preparation activities continue for implementing the CS-18 Supplemental SI field work on March 28, 2001.
- Preparation activities continue for implementing the CS-19 Supplemental Rl field work in early to mid April, 2001. The schedule needs to be coordinated with turkey hunting season.
- George Petersen (Jacobs) would like to coordinate the use of the soil washing station for soil excavated from test pits at CS-19 with the IAGWSPO. Ben Gregson (IAGWSPO) recommended that Marty Aker (AFCEE) contact him and they will set up a meeting with Scott Veenstra (AMEC) next Wednesday 3/28.

Water Supply Study Update

No update was provided.

Munitions Survey Update

Larry Hudgins (Tetra Tech) presented the update concerning the HUTA, the J-Range geophysical investigations, AIRMAG survey and Depleted Uranium task. A two-page handout was distributed.

- HUTA Test Pit #2 excavation is complete. A draft email request for permission to backfill Test Pit #2 will be transmitted to the agencies, pending approval by the Guard.
- HUTA Test Pit #3 surface geophysics is complete. The road around Test Pit #3 has been cleared of UXO and is ready for road construction. One BIP was completed in the road 3/21.
- HUTA Test Pit #4 excavations of Lifts 1A and 1B are complete. The excavation of Lift 1C is underway. Three UXOs were BIPed in Test Pit #4 on 3/21.
- HUTA Test Pit #6, Lift 1A has been excavated. Excavation of Lift 1B will commence following completion on Test Pit #4 Lift 1C excavation. Two UXO items were BIPed on 3/21.
- The geophysical survey of the J-1 and J-2 Ranges is complete. Awaiting final data set. Survey of J-3 Range commenced 3/21.
- AIRMAG data for all areas is being processed with annotations of cultural targets. Contractor has not provided anomaly target selection for review as of 3/22. Final report due March 26, 2001.
- A draft technical approach for data and signal analysis is being prepared for both the AIRMAG and J Range surface geophysics for discussion with IAGWSPO and ACE the week of 3/26. Dave Hill (IAGWSPO) indicated that this discussion will also include confirming AIRMAG anomaly targets. The technical approach will not be available for review until the target data are made available and reviewed.
- Todd Borci (EPA) would like draft AIRMAG data even without all cultural features so that the data can be used for field investigation planning. Mr. Borci requested that a schedule be provided by April 5 for verifying/QAing all AIRMAG data.

- Jane Dolan (EPA) requested two copies of the AIRMAG data on CD ROMs with the understanding that this information was not ready for public distribution. Larry Hudgins (Tetra Tech) to provide.
- For the Depleted Uranium task, data is being analyzed by the laboratory. An internal telecon regarding report preparation to discuss the draft table of contents is scheduled for the week of 3/26.

Rapid Response Action Update

Scott Veenstra (AMEC) presented an update of the RRA. A one page summary was provided.

- Management of water on the containment pad continues.
- Retained stockpiles will be moved to receiving portion of the containment pad as weather conditions allow.
- Although EPA confirmed acceptance of the FSP during the 3/15/01 technical meeting, the Guard is still waiting on written approval.
- UXO avoidance work was completed at Mortar Target 9 and Former H Range.
- Delineation soil sampling was completed at Mortar Target 9. Delineation soil sampling at Former H Range will be completed 3/26. Sixteen grids will be sampled at Former H Range instead of the 13 specified in the FSP due to spacing requirements.
- Bulk soil samples for grain size analysis for soil washing process confirmation/optimization were collected yesterday, 3/21.
- A schedule update on the RRA Addendum field work will be provided next week, pending the Guard's review and approval. Grain size analysis for the Soil Washing Process Confirmation/Optimization summary will be provided to the agencies on or about 4/27/01.

Groundwater Study

John Rice (AMEC) presented an update of the groundwater study. A one page summary was distributed.

- Installation of monitor well MW-158 (J2P-10) was completed. Completed drilling of MW-159 (GS8P-1). Commenced drilling of MW-160 (D2P-1). Two soil borings were also completed next to the septic tank at the J-3 Range melt pour building.
- Next week, well installation at MW-159 and MW-160 will be completed. Drilling of D2P-2 and D1P-3 (at Pocasset-Forestdale Rd) will commence next week.
- Groundwater sampling of the newly installed wells is ongoing. 90MW0015 was sampled this week.
- One FS-12 response well (PZ211) remains to be sampled due to access issues. Land owner of 90PZ208 will be identified at the Registry of Deeds so that permission to sample can be obtained. ACE is coordinating obtaining permission from land owners.
- UXO avoidance was continued at Old H Range and Target 9 this week. Next week UXO avoidance will be completed at the Gravity Range.
- Soil sampling of Old K Range grids will be completed this week. Soil sampling of the Gravity Range soil grids continues this week and will be completed next week. Soil sampling of Inactive Demo area and Demo Area 2 grids will likely commence next week. This schedule may need to be altered to sample soil grids at the Small Arms Ranges since data from sampling these grids can be available to support selection of the well scoped for the SAR.
- Todd Borci (EPA) requested a sampling schedule for Phase II(b) soil grids. Jane Dolan (EPA) requested a soil sampling schedule for the J-3 Range from Herb Colby (AMEC) and

further requested that she be notified of any changes in schedule (particularly for the J Ranges) that occurred after the Tech meeting.

- There was no vegetation removal this week. Vegetation removal at D1P-3 and D1P-4 of 20,000 square feet is scheduled for next week. Todd Borci (EPA) inquired as to whether the Guard had attempted to decrease the size of the pads. Mr. Borci expressed concern regarding requesting a flat 10,000 square foot clearance for each well on the REC, that Hanni Dinkeloo (NHESP) would not recognize that efforts were being made to minimize vegetation removal. Dave Hill (IAGWSPO) indicated that he and Mike Ciranca (Army Guard) were talking with the Fire Department about their requirements to allow for smaller pads and to utilize existing open space such as roadways. Mr. Hill indicated that this may require using a fire watch. Heather Sullivan (ACE) to follow-up with Ms. Dinkeloo explaining the Guard's efforts to minimize vegetation removal.
- The following data table was distributed: New Detects - Unvalidated. The data showed explosive detections confirmed in Stage 2 supplemental BIP grids at J-2 Range and at Drill Pad P-19 (in between MW-44 and Turpentine Road).
- A figure showing monitor well location GS8P-1 relative to groundwater flow direction and soil grids was distributed for consideration. The well had two basic objectives, one to monitor water table downgradient of soil grid 91A where RDX had been detected in soil. A second objective was to monitor deeper water at the north end of the inner transect of wells in the Impact Area. There was concern that GS8P-1 was not located immediately downgradient of soil grid 91A.

Document /Schedule Status Update

Marc Grant (AMEC) provided the update on document and schedule status, distributing a one page table and one page chart.

- Documents Having Comments – Todd Borci (EPA) offered to send approval letter of TM 01-2, Demo 1 GW Report MOR today 3/22. EPA's approval of TM 01-3 , Targets Report MOR was received 3/21. Todd Borci (EPA) indicated that additional investigation of Targets could be wrapped into the investigation of the Central Impact Area, however, based on RCL, the Targets Report should be revised and finalized. The Guard was still waiting on MADEP comments on the Targets Report. Resolution meeting on TM 01-5, Demo 1 GW FS Screening Report was scheduled for today, 3/22. The Guard had received comments on TM 01-6 Central Impact Area GW Report 3/21 and was working on a response.
- Documents Needing Comments – Agencies comments on Demo 1 COC Identification are requested by 3/26 with a resolution meeting slated for 3/29. This is on a very tight schedule so that Demo 1 Soil and FS Screening Reports can proceed on schedule. J-2 Range Draft Report and UXO Interim Screening Report, sent out 3/16 and 3/20 respectively, are now also in the needing comments category.
- Documents to be Submitted - Early next week, the agencies can expect a Table listing wells proposed for changes to sampling in the LTM program with backup of last years data. The intent is to discuss this table one week later as a precursor to submission of the 2001 Interim LTM Plan.
- Changes on the 3-month Lookahead Schedule that reflect upcoming extension requests include:
    - J-2 Report schedule reflects resolution of comments that will be made during a site visit assumed for 3/29. EPA indicated that tis site visit will be after 3/29.

- Gun/Mortar Draft Report changes reflect upcoming extension request.
- Training Areas Investigation is scheduled to be completed May 18 but this deadline cannot be met. Currently the Guard is awaiting input from the agencies to change the FSP.
- Phase IIb schedule changes reflect upcoming extension request.
- RRA Group 2 schedule will be revised on upcoming revised schedule to be distributed by Scott Veenstra (AMEC).
- FS schedule for UXO other operable units was removed from chart until discussion on schedules for FS Interim Screening Report is conducted.

Perchlorate Update

Marc Grant (AMEC) distributed table of Perchlorate data.

- Newest detections of Perchlorate were at off-base well 90MW0054. This well is located just west of the capture zone for FS-12. RDX at 0.5ppb had also recently been detected in samples from this well.
- MW-91 had a detection of Perchlorate right at the detection limit.
- Based on sampling dates it is likely that Perchlorate data for MW-109 will be available in the next couple of days. Todd Borci (EPA) requested that this data be emailed when it becomes available.
- Ben Gregson (IAGWSPO) indicated that a press release should probably be issued for this detection of perchlorate off-base. Tina Dolen (IAGWSPO) to follow up.

Miscellaneous

- It was suggested that a press release and neighborhood notice for the lake perimeter should be issued for drilling on the Snake Pond spit. Steve Hunt (Jacobs) indicated that AFCEE had a template for similar notice. AFCEE would also be completing wells in the area requiring notification, the schedule was uncertain. However, if the Guards' and AFCEE's schedule coincided the notices could be combined. Tina Dolen (IAGWSPO) to follow up.
- Marc Grant (AMEC) distributed the validated G&I Range soil results which he indicated were very similar to the unvalidated results. Ben Gregson (IAGWSPO) indicated that results should be emailed to IART team and presented as a handout at the IART meeting.
- Jane Dolan (EPA) inquired as to who would present and who would support the Guard at the IART meeting. Ben Gregson (IAGWSPO) indicated that currently he was scheduled to make the presentations. The EPA would be notified of the contractor attendance prior to the meeting. Jane Dolan (EPA) asked that the contractors be made available for the meeting. Todd Borci (EPA) requested to preview the ASR Interview Update slides prior to the meeting, since no one would be available for the "dry run" on Tuesday.
- Jane Dolan (EPA) inquired about the Guard's response to her Dye letter. Ben Gregson (IAGWSPO) is reviewing the AMEC draft response letter.
- In response to Jane Dolan's (EPA) inquiry, Joe Knott (NGB) indicated that notification that he would be replaced by Ben Gregson (IAGWSPO) as the Guard's Technical Point of Contact for the IAGWSP in May, would officially be announced April 1st. An unofficial announcement could be made at the March IART.
- In response to Jane Dolan's (EPA) inquiry, Ben Gregson (IAGWSPO) responded that Clean Harbors had provided the Guard with a proposal to complete excavation of the buckets on the J-1 Range. Mobilization for this effort was tentatively scheduled for 3/28, with excavation to begin 3/29 or 3/30. The removal is expected to be completed in one week. Ms. Dolan

inquired as to the constituent list for waste characterization. Mr. Gregson indicated he would forward Clean Harbor's proposal to Ms. Dolan. Ms. Dolan further indicated that the bucket disposal area should be presented at the SMB and IART meetings. Mr. Gregson indicated that MADEP was calling the bucket removal an Immediate Response Action to include it under the MCP. Mr. Gregson requested that EPA issue a similar letter next week prior to initiation of the removal indicating that the removal falls within the Administrative Order. Todd Borci (EPA) to respond, also indicated that he wanted to make an adjustment to how the process had been handled previously.

- Jane Dolan (EPA) requested that Herb Colby (AMEC) call her regarding receipt of new soil data from J-3 Range.

Resolution meeting for TM 01-5, Demo 1 GW FS Screening Report followed the Tech meeting.

2. SUMMARY OF DATA RECEIVED

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

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

- Groundwater samples collected from MW-114M1, MW-129M1 and MW-129M2 had detections of RDX that were verified by PDA spectra. RDX was detected in similar concentrations in the previous sampling round for these wells.

- Groundwater samples collected from MW-114M2 had detections of RDX, HMX, and 4A-DNT that were verified by PDA spectra. These compounds were detected in similar concentrations in the previous sampling round for this well.

- Groundwater samples collected from Soil Boring B-24 had detections of acetone, chloroform, chloromethane, and toluene.

- Groundwater samples collected from Soil Boring B-25 had detections of acetone, chloroform, and carbon disulfide.

- The groundwater profile samples from MW-159 had detections of 2,6-diamino-4-nitrotoluene (2 intervals), 2A-DNT (1 interval), nitroglycerin (1 interval), and picric acid (2 intervals). None of the explosive detections were verified by PDA spectra.

3. DELIVERABLES SUBMITTED

Draft Interim UXO Technology Screening Report (Technical Memorandum 01-7) 3/20/01

4. SCHEDULED ACTIONS

Scheduled actions for the week of March 26 include complete well installation of GS8P-1 (MW-159) and Demo 2 wells (D2P-1, D2P-2), commence drilling Demo 1 well (D1P-3) continue groundwater sampling newly installed wells; continue development of newly installed wells; and continue sampling of Phase IIb soil grids.

5. SUMMARY OF ACTIVITIES FOR DEMO 1

The Soil COC Report is being reviewed by the agencies and IART team. Next week drilling will commence at additional downgradient well location D1P-3. Second round groundwater samples were collected from newly installed wells and are being analyzed.

TABLE 2
SAMPLING PROGRESS
3/17/2001-3/23/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
0.A.1.00649.1.0	H1.A.1.00649.R	03/20/2001	CRATER GRID	1.00	1.25		
0.A.1.00649.10.0	H1.A.1.00649.R	03/21/2001	CRATER GRID	1.00	1.25		
0.A.1.00649.2.0	H1.A.1.00649.R	03/20/2001	CRATER GRID	1.00	1.25		
0.A.1.00649.3.0	H1.A.1.00649.R	03/20/2001	CRATER GRID	1.00	1.25		
0.A.1.00649.4.0	H1.A.1.00649.R	03/20/2001	CRATER GRID	1.00	1.25		
0.A.1.00649.5.0	H1.A.1.00649.R	03/20/2001	CRATER GRID	1.00	1.25		
0.A.1.00649.6.0	H1.A.1.00649.R	03/21/2001	CRATER GRID	1.00	1.25		
0.A.1.00649.7.0	H1.A.1.00649.R	03/21/2001	CRATER GRID	1.00	1.25		
0.A.1.00649.8.0	H1.A.1.00649.R	03/21/2001	CRATER GRID	1.00	1.25		
0.A.1.00649.9.0	H1.A.1.00649.R	03/21/2001	CRATER GRID	1.00	1.25		
4.A.1.00636.1.0	A.1.00636.R	03/20/2001	CRATER GRID	1.50	1.75		
4.A.1.00636.10.0	A.1.00636.R	03/21/2001	CRATER GRID	1.50	1.75		
4.A.1.00636.2.0	A.1.00636.R	03/20/2001	CRATER GRID	1.50	1.75		
4.A.1.00636.3.0	A.1.00636.R	03/20/2001	CRATER GRID	1.50	1.75		
4.A.1.00636.4.0	A.1.00636.R	03/20/2001	CRATER GRID	1.50	1.75		
4.A.1.00636.5.0	A.1.00636.R	03/20/2001	CRATER GRID	1.50	1.75		
4.A.1.00636.6.0	A.1.00636.R	03/21/2001	CRATER GRID	1.50	1.75		
4.A.1.00636.7.0	A.1.00636.R	03/21/2001	CRATER GRID	1.50	1.75		
4.A.1.00636.8.0	A.1.00636.R	03/21/2001	CRATER GRID	1.50	1.75		
4.A.1.00636.9.0	A.1.00636.R	03/21/2001	CRATER GRID	1.50	1.75		
4.A.1.00647.1.0	A.1.00647.R	03/20/2001	CRATER GRID	0.75	1.00		
4.A.1.00647.1.D	A.1.00647.R	03/20/2001	CRATER GRID	0.75	1.00		
4.A.1.00647.10.0	A.1.00647.R	03/21/2001	CRATER GRID	0.75	1.00		
4.A.1.00647.10.D	A.1.00647.R	03/21/2001	CRATER GRID	0.75	1.00		
4.A.1.00647.2.0	A.1.00647.R	03/20/2001	CRATER GRID	0.75	1.00		
4.A.1.00647.2.D	A.1.00647.R	03/20/2001	CRATER GRID	0.75	1.00		
4.A.1.00647.3.0	A.1.00647.R	03/20/2001	CRATER GRID	0.75	1.00		
4.A.1.00647.3.D	A.1.00647.R	03/20/2001	CRATER GRID	0.75	1.00		
4.A.1.00647.4.0	A.1.00647.R	03/20/2001	CRATER GRID	0.75	1.00		
4.A.1.00647.4.D	A.1.00647.R	03/20/2001	CRATER GRID	0.75	1.00		
4.A.1.00647.5.0	A.1.00647.R	03/20/2001	CRATER GRID	0.75	1.00		
4.A.1.00647.5.D	A.1.00647.R	03/20/2001	CRATER GRID	0.75	1.00		
4.A.1.00647.6.0	A.1.00647.R	03/21/2001	CRATER GRID	0.75	1.00		
4.A.1.00647.6.D	A.1.00647.R	03/21/2001	CRATER GRID	0.75	1.00		
4.A.1.00647.7.0	A.1.00647.R	03/21/2001	CRATER GRID	0.75	1.00		
4.A.1.00647.7.D	A.1.00647.R	03/21/2001	CRATER GRID	0.75	1.00		
4.A.1.00647.8.0	A.1.00647.R	03/21/2001	CRATER GRID	0.75	1.00		
4.A.1.00647.8.D	A.1.00647.R	03/21/2001	CRATER GRID	0.75	1.00		
4.A.1.00647.9.0	A.1.00647.R	03/21/2001	CRATER GRID	0.75	1.00		
4.A.1.00647.9.D	A.1.00647.R	03/21/2001	CRATER GRID	0.75	1.00		
4.A.1.00648.1.0	A.1.00648.R	03/20/2001	CRATER GRID	1.00	1.25		
4.A.1.00648.10.0	A.1.00648.R	03/21/2001	CRATER GRID	1.00	1.25		
4.A.1.00648.2.0	A.1.00648.R	03/20/2001	CRATER GRID	1.00	1.25		

Profiling methods include: Volatiles and Explosives
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
Other Sample Types methods are variable
SBD = Sample Begin Depth, measured in feet bgs
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
3/17/2001-3/23/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
4.A.1.00648.3.0	A.1.00648.R	03/20/2001	CRATER GRID	1.00	1.25		
4.A.1.00648.4.0	A.1.00648.R	03/20/2001	CRATER GRID	1.00	1.25		
4.A.1.00648.5.0	A.1.00648.R	03/20/2001	CRATER GRID	1.00	1.25		
4.A.1.00648.6.0	A.1.00648.R	03/21/2001	CRATER GRID	1.00	1.25		
4.A.1.00648.7.0	A.1.00648.R	03/21/2001	CRATER GRID	1.00	1.25		
4.A.1.00648.8.0	A.1.00648.R	03/21/2001	CRATER GRID	1.00	1.25		
4.A.1.00648.9.0	A.1.00648.R	03/21/2001	CRATER GRID	1.00			
4.C.1.00646.4.0	C.1.00646.O	03/19/2001	CRATER GRID	1.50	1.75		
4.C.1.00646.5.0	C.1.00646.O	03/19/2001	CRATER GRID	1.50	1.75		
6.A.2.00560.1.0	A.2.00560.R	03/19/2001	CRATER GRID	1.50	1.75		
6.A.2.00560.10.0	A.2.00560.R	03/21/2001	CRATER GRID	1.50	1.75		
6.A.2.00560.2.0	A.2.00560.R	03/19/2001	CRATER GRID	1.50	1.75		
6.A.2.00560.3.0	A.2.00560.R	03/19/2001	CRATER GRID	1.50	1.75		
6.A.2.00560.4.0	A.2.00560.R	03/19/2001	CRATER GRID	1.50	1.75		
6.A.2.00560.5.0	A.2.00560.R	03/19/2001	CRATER GRID	1.50	1.75		
6.A.2.00560.6.0	A.2.00560.R	03/21/2001	CRATER GRID	1.50	1.75		
6.A.2.00560.7.0	A.2.00560.R	03/21/2001	CRATER GRID	1.50	1.75		
6.A.2.00560.8.0	A.2.00560.R	03/21/2001	CRATER GRID	1.50	1.75		
6.A.2.00560.9.0	A.2.00560.R	03/21/2001	CRATER GRID	1.50	1.75		
6.A.2.00572.1.0	A.2.00572.R	03/19/2001	CRATER GRID	2.50	2.75		
6.A.2.00572.10.0	A.2.00572.R	03/21/2001	CRATER GRID	2.50	2.75		
6.A.2.00572.2.0	A.2.00572.R	03/19/2001	CRATER GRID	2.50	2.75		
6.A.2.00572.3.0	A.2.00572.R	03/19/2001	CRATER GRID	2.50	2.75		
6.A.2.00572.4.0	A.2.00572.R	03/19/2001	CRATER GRID	2.50	2.75		
6.A.2.00572.5.0	A.2.00572.R	03/19/2001	CRATER GRID	2.50	2.75		
6.A.2.00572.6.0	A.2.00572.R	03/21/2001	CRATER GRID	2.50	2.75		
6.A.2.00572.7.0	A.2.00572.R	03/21/2001	CRATER GRID	2.50	2.75		
6.A.2.00572.8.0	A.2.00572.R	03/21/2001	CRATER GRID	2.50	2.75		
6.A.2.00572.9.0	A.2.00572.R	03/21/2001	CRATER GRID	2.50	2.75		
6.B.2.00604.4.0	B.2.00604.R	03/19/2001	CRATER GRID	2.25	2.50		
6.B.2.00604.4.D	B.2.00604.R	03/19/2001	CRATER GRID	2.25	2.50		
6.B.2.00604.5.0	B.2.00604.R	03/19/2001	CRATER GRID	2.25	2.50		
6.B.2.00604.6.0	B.2.00604.R	03/19/2001	CRATER GRID	2.25	2.50		
6.C.2.00580.4.0	C.2.00580.O	03/19/2001	CRATER GRID	2.50	2.75		
6.C.2.00580.5.0	C.2.00580.O	03/19/2001	CRATER GRID	2.50	2.75		
6.C.2.00582.4.0	C.2.00582.O	03/19/2001	CRATER GRID	1.25	1.50		
6.C.2.00582.5.0	C.2.00582.O	03/19/2001	CRATER GRID	1.25	1.50		
6.C.2.00587.4.0	C.2.00587.O	03/19/2001	CRATER GRID	4.00	4.25		
6.C.2.00587.5.0	C.2.00587.O	03/19/2001	CRATER GRID	4.00	4.25		
0.G.0.00063.0.T	Trip Blank 63	03/19/2001	FIELDQC	0.00	0.00		
0.G.0.00064.0.T	Trip Blank 64	03/20/2001	FIELDQC	0.00	0.00		
0.G.0.00065.0.T	Trip Blank 65	03/21/2001	FIELDQC	0.00	0.00		
90MW0015E	FIELDQC	03/22/2001	FIELDQC	0.00	0.00		
90MW0015T	FIELDQC	03/22/2001	FIELDQC	0.00	0.00		

Profiling methods include: Volatiles and Explosives
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TABLE 2
SAMPLING PROGRESS
3/17/2001-3/23/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
AB0024AAE	FIELDQC	03/19/2001	FIELDQC	0.00	0.00		
AB0024BAE	FIELDQC	03/20/2001	FIELDQC	0.00	0.00		
AB0024BAT	FIELDQC	03/20/2001	FIELDQC	0.00	0.00		
AB0025CAE	FIELDQC	03/19/2001	FIELDQC	0.00	0.00		
AB0025CAT	FIELDQC	03/19/2001	FIELDQC	0.00	0.00		
G159DCE	FIELDQC	03/19/2001	FIELDQC	0.50	1.00		
G159DFE	FIELDQC	03/20/2001	FIELDQC	0.00	0.00		
HC130T1AAE	FIELDQC	03/23/2001	FIELDQC	0.00	0.00		
HC79HA1AAE	FIELDQC	03/21/2001	FIELDQC	0.00	0.00		
HC79HC1AAE	FIELDQC	03/20/2001	FIELDQC	0.00	0.00		
HC79ID1AAE	FIELDQC	03/22/2001	FIELDQC	0.00	0.00		
HC79IG1AAE	FIELDQC	03/23/2001	FIELDQC	0.00	0.00		
HD130Q1AAE	FIELDQC	03/21/2001	FIELDQC	0.00	0.00		
HD132B1CAE	FIELDQC	03/19/2001	FIELDQC	0.00	0.00		
HD132T1AAE	FIELDQC	03/20/2001	FIELDQC	0.00	0.00		
SG102Q1AAE	FIELDQC	03/21/2001	FIELDQC	0.00	0.00		
SG102Q1AAT	FIELDQC	03/21/2001	FIELDQC	0.00	0.00		
W153M3T	FIELDQC	03/23/2001	FIELDQC	0.00	0.00		
4.D.1.00638.2.0	D.1.00638.O	03/20/2001	GAUZE WIPE	0.25	0.50		
4.D.1.00638.3.0	D.1.00638.O	03/20/2001	GAUZE WIPE	0.25	0.50		
4.D.1.00640.2.0	D.1.00640.O	03/20/2001	GAUZE WIPE	0.25	0.50		
4.D.1.00640.3.0	D.1.00640.O	03/20/2001	GAUZE WIPE	0.25	0.50		
4.D.1.00642.2.0	D.1.00642.O	03/20/2001	GAUZE WIPE	0.50	0.75		
4.D.1.00642.2.D	D.1.00642.O	03/20/2001	GAUZE WIPE	0.50	0.75		
4.D.1.00642.3.0	D.1.00642.O	03/20/2001	GAUZE WIPE	0.50	0.75		
4.D.1.00642.3.D	D.1.00642.O	03/20/2001	GAUZE WIPE	0.50	0.75		
6.B.2.00604.2.0	B.2.00604.R	03/19/2001	GAUZE WIPE	2.25	2.50		
6.B.2.00604.3.0	B.2.00604.R	03/23/2001	GAUZE WIPE	2.25	2.50		
6.D.2.00565.2.0	D.2.00565.O	03/19/2001	GAUZE WIPE	0.75	1.00		
6.D.2.00565.3.0	D.2.00565.O	03/19/2001	GAUZE WIPE	0.75	1.00		
6.D.2.00573.2.0	D.2.00573.O	03/19/2001	GAUZE WIPE	1.00	1.25		
6.D.2.00573.3.0	D.2.00573.O	03/19/2001	GAUZE WIPE	1.00	1.25		
90MW0015A	90MW0015	03/22/2001	GROUNDWATER	91.00	101.00	79.00	89.00
W153M1A	MW-153	03/23/2001	GROUNDWATER	200.00	210.00	105.53	115.53
W153M3A	MW-153	03/23/2001	GROUNDWATER	124.00	134.00	29.63	39.63
G159DBA	MW-159	03/19/2001	PROFILE	140.00	140.00	11.50	11.50
G159DCA	MW-159	03/19/2001	PROFILE	150.00	150.00	21.50	21.50
G159DDA	MW-159	03/19/2001	PROFILE	160.00	160.00	31.50	31.50
G159DEA	MW-159	03/19/2001	PROFILE	170.00	170.00	41.50	41.50
G159DFA	MW-159	03/20/2001	PROFILE	180.00	180.00	51.50	51.50
G159DFD	MW-159	03/20/2001	PROFILE	180.00	180.00	51.50	51.50
G159DGA	MW-159	03/20/2001	PROFILE	190.00	190.00	61.50	61.50
G159DHA	MW-159	03/20/2001	PROFILE	200.00	200.00	71.50	71.50
G159DIA	MW-159	03/20/2001	PROFILE	210.00	210.00	81.50	81.50

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TABLE 2
SAMPLING PROGRESS
3/17/2001-3/23/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
GSB24AA	B-24	03/20/2001	PROFILE	36.50	36.50	4.50	4.50
GSB25AA	B-25	03/21/2001	PROFILE	36.00	36.00		
AB0024AAA	B-24	03/19/2001	SOIL BORING	0.00	2.00		
AB0024BAA	B-24	03/20/2001	SOIL BORING	5.00	7.00	27.00	25.00
AB0024CAA	B-24	03/20/2001	SOIL BORING	10.00	12.00	22.00	20.00
AB0025AAA	B-25	03/20/2001	SOIL BORING	0.00	2.00		
AB0025AAD	B-25	03/20/2001	SOIL BORING	0.00	2.00		
AB0025BAA	B-25	03/20/2001	SOIL BORING	5.00	7.00		
AB0025CAA	B-25	03/21/2001	SOIL BORING	10.00	12.00		
4.D.1.00638.1.0	D.1.00638.O	03/19/2001	SOIL BRUSHING	0.25	0.50		
4.D.1.00640.1.0	D.1.00640.O	03/19/2001	SOIL BRUSHING	0.25	0.50		
4.D.1.00642.1.0	D.1.00642.O	03/19/2001	SOIL BRUSHING	0.50	0.75		
4.D.1.00642.1.D	D.1.00642.O	03/19/2001	SOIL BRUSHING	0.50	0.75		
6.B.2.00604.1.0	B.2.00604.R	03/19/2001	SOIL BRUSHING	2.25	2.50		
6.B.2.00604.1.D	B.2.00604.R	03/19/2001	SOIL BRUSHING	2.25	2.50		
SG102Q1AAA	102Q1	03/21/2001	SOIL GRAB	0.00	0.50		
4.C.1.00646.6.0	C.1.00646.O	03/19/2001	SOIL GRID	1.50	1.75		
4.C.1.00646.7.0	C.1.00646.O	03/19/2001	SOIL GRID	1.50	1.75		
4.C.1.00646.8.0	C.1.00646.O	03/19/2001	SOIL GRID	1.50	1.75		
6.B.2.00604.7.0	B.2.00604.R	03/19/2001	SOIL GRID	2.25	2.50		
6.B.2.00604.8.0	B.2.00604.R	03/19/2001	SOIL GRID	2.25	2.50		
6.B.2.00604.9.0	B.2.00604.R	03/19/2001	SOIL GRID	2.25	2.50		
6.C.2.00580.6.0	C.2.00580.O	03/19/2001	SOIL GRID	2.50	2.75		
6.C.2.00580.7.0	C.2.00580.O	03/19/2001	SOIL GRID	2.50	2.75		
6.C.2.00580.8.0	C.2.00580.O	03/19/2001	SOIL GRID	2.50	2.75		
6.C.2.00582.6.0	C.2.00582.O	03/19/2001	SOIL GRID	1.25	1.50		
6.C.2.00582.7.0	C.2.00582.O	03/19/2001	SOIL GRID	1.25	1.50		
6.C.2.00582.8.0	C.2.00582.O	03/19/2001	SOIL GRID	1.25	1.50		
6.C.2.00587.6.0	C.2.00587.O	03/19/2001	SOIL GRID	4.00	4.25		
6.C.2.00587.7.0	C.2.00587.O	03/19/2001	SOIL GRID	4.00	4.25		
6.C.2.00587.8.0	C.2.00587.O	03/19/2001	SOIL GRID	4.00	4.25		
HC130AA1AAA	130AA	03/19/2001	SOIL GRID	0.00	0.25		
HC130AA1BAA	130AA	03/19/2001	SOIL GRID	0.25	0.50		
HC130AA1CAA	130AA	03/19/2001	SOIL GRID	0.50	1.00		
HC130AA1CAD	130AA	03/19/2001	SOIL GRID	0.50	1.00		
HC130AC1CAA	130AC	03/19/2001	SOIL GRID	0.50	1.00		
HC130AD1AAA	130AD	03/19/2001	SOIL GRID	0.00	0.25		
HC130AD1BAA	130AD	03/19/2001	SOIL GRID	0.25	0.50		
HC130AD1CAA	130AD	03/19/2001	SOIL GRID	0.50	1.00		
HC130K1AAA	130K	03/20/2001	SOIL GRID	0.00	0.25		
HC130K1BAA	130K	03/20/2001	SOIL GRID	0.25	0.50		
HC130K1CAA	130K	03/20/2001	SOIL GRID	0.50	1.00		
HC130L1AAA	130L	03/20/2001	SOIL GRID	0.00	0.25		
HC130L1BAA	130L	03/20/2001	SOIL GRID	0.25	0.50		

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TABLE 2
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3/17/2001-3/23/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC130L1CAA	130L	03/20/2001	SOIL GRID	0.50	1.00		
HC130M1AAA	130M	03/20/2001	SOIL GRID	0.00	0.25		
HC130M1BAA	130M	03/20/2001	SOIL GRID	0.25	0.50		
HC130M1CAA	130M	03/20/2001	SOIL GRID	0.50	1.00		
HC130N1AAA	130N	03/20/2001	SOIL GRID	0.00	0.25		
HC130N1BAA	130N	03/20/2001	SOIL GRID	0.25	0.50		
HC130N1CAA	130N	03/20/2001	SOIL GRID	0.50	1.00		
HC130Q1AAA	130Q	03/21/2001	SOIL GRID	0.00	0.25		
HC130Q1BAA	130Q	03/21/2001	SOIL GRID	0.25	0.50		
HC130Q1CAA	130Q	03/21/2001	SOIL GRID	0.50	1.00		
HC130Q1CAD	130Q	03/21/2001	SOIL GRID	0.50	1.00		
HC130R1AAA	130R	03/21/2001	SOIL GRID	0.00	0.25		
HC130R1BAA	130R	03/21/2001	SOIL GRID	0.25	0.50		
HC130R1CAA	130R	03/21/2001	SOIL GRID	0.50	1.00		
HC130R1CAD	130R	03/21/2001	SOIL GRID	0.50	1.00		
HC130T1AAA	130T	03/23/2001	SOIL GRID	0.00	0.25		
HC130T1BAA	130T	03/23/2001	SOIL GRID	0.25	0.50		
HC130T1CAA	130T	03/23/2001	SOIL GRID	0.50	1.00		
HC130T1CAD	130T	03/23/2001	SOIL GRID	0.50	1.00		
HC130U1AAA	130U	03/23/2001	SOIL GRID	0.00	0.25		
HC130U1BAA	130U	03/23/2001	SOIL GRID	0.25	0.50		
HC130U1CAA	130U	03/23/2001	SOIL GRID	0.50	1.00		
HC130Z1AAA	130Z	03/19/2001	SOIL GRID	0.00	0.25		
HC130Z1BAA	130Z	03/19/2001	SOIL GRID	0.25	0.50		
HC130Z1CAA	130Z	03/19/2001	SOIL GRID	0.50	1.00		
HC132A1AAA	132A	03/19/2001	SOIL GRID	0.00	0.25		
HC132A1BAA	132A	03/19/2001	SOIL GRID	0.25	0.50		
HC132A1CAA	132A	03/19/2001	SOIL GRID	0.50	1.00		
HC132B1AAA	132B	03/19/2001	SOIL GRID	0.00	0.25		
HC132B1BAA	132B	03/19/2001	SOIL GRID	0.25	0.50		
HC132B1CAA	132B	03/19/2001	SOIL GRID	0.50	1.00		
HC132C1AAA	132C	03/19/2001	SOIL GRID	0.00	0.25		
HC132C1BAA	132C	03/19/2001	SOIL GRID	0.25	0.50		
HC132C1CAA	132C	03/19/2001	SOIL GRID	0.50	1.00		
HC132N1AAA	130N	03/21/2001	SOIL GRID	0.00	0.25		
HC132N1BAA	130N	03/21/2001	SOIL GRID	0.25	0.50		
HC132N1CAA	130N	03/21/2001	SOIL GRID	0.50	1.00		
HC132P1AAA	132P	03/20/2001	SOIL GRID	0.00	0.25		
HC132P1BAA	132P	03/20/2001	SOIL GRID	0.25	0.50		
HC132P1CAA	132P	03/20/2001	SOIL GRID	0.50	1.00		
HC132P1CAD	132P	03/20/2001	SOIL GRID	0.50	1.00		
HC132Q1AAA	132Q	03/20/2001	SOIL GRID	0.00	0.25		
HC132Q1BAA	132Q	03/20/2001	SOIL GRID	0.25	0.50		
HC132Q1CAA	132Q	03/20/2001	SOIL GRID	0.50	1.00		

Profiling methods include: Volatiles and Explosives
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3/17/2001-3/23/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC132Q1CAD	132Q	03/20/2001	SOIL GRID	0.50	1.00		
HC132S1AAA	132S	03/20/2001	SOIL GRID	0.00	0.25		
HC132S1BAA	132S	03/20/2001	SOIL GRID	0.25	0.50		
HC132S1CAA	132S	03/20/2001	SOIL GRID	0.50	1.00		
HC132T1AAA	132T	03/20/2001	SOIL GRID	0.00	0.25		
HC132T1BAA	132T	03/20/2001	SOIL GRID	0.25	0.50		
HC132T1CAA	132T	03/20/2001	SOIL GRID	0.50	1.00		
HC132T1CAD	132T	03/20/2001	SOIL GRID	0.50	1.00		
HC79HA1AAA	79HA	03/21/2001	SOIL GRID				
HC79HA1BAA	79HA	03/21/2001	SOIL GRID				
HC79HA1BAD	79HA	03/21/2001	SOIL GRID				
HC79HA1CAA	79HA	03/21/2001	SOIL GRID				
HC79HA1DAA	79HA	03/21/2001	SOIL GRID				
HC79HB1AAA	79HB	03/22/2001	SOIL GRID				
HC79HB1BAA	79HB	03/22/2001	SOIL GRID				
HC79HB1CAA	79HB	03/22/2001	SOIL GRID				
HC79HB1DAA	79HB	03/22/2001	SOIL GRID				
HC79HC1AAA	79HC	03/21/2001	SOIL GRID				
HC79HC1BAA	79HC	03/21/2001	SOIL GRID				
HC79HC1CAA	79HC	03/21/2001	SOIL GRID				
HC79HC1DAA	79HC	03/21/2001	SOIL GRID				
HC79HC1DAD	79HC	03/20/2001	SOIL GRID				
HC79HD1AAA	79HD	03/20/2001	SOIL GRID				
HC79HD1BAA	79HD	03/20/2001	SOIL GRID				
HC79HD1CAA	79HD	03/20/2001	SOIL GRID				
HC79HD1DAA	79HD	03/20/2001	SOIL GRID				
HC79HE1AAA	79HE	03/20/2001	SOIL GRID				
HC79HE1BAA	79HE	03/20/2001	SOIL GRID				
HC79HE1CAA	79HE	03/20/2001	SOIL GRID				
HC79HE1DAA	79HE	03/20/2001	SOIL GRID				
HC79HF1AAA	79HF	03/20/2001	SOIL GRID				
HC79HF1BAA	79HF	03/20/2001	SOIL GRID				
HC79HF1CAA	79HF	03/20/2001	SOIL GRID				
HC79HF1DAA	79HF	03/20/2001	SOIL GRID				
HC79HG1AAA	79HG	03/20/2001	SOIL GRID				
HC79HG1BAA	79HG	03/20/2001	SOIL GRID				
HC79HG1CAA	79HG	03/20/2001	SOIL GRID				
HC79HG1DAA	79HG	03/20/2001	SOIL GRID				
HC79HH1AAA	79HH	03/21/2001	SOIL GRID				
HC79HH1BAA	79HH	03/21/2001	SOIL GRID				
HC79HH1CAA	79HH	03/21/2001	SOIL GRID				
HC79HH1CAD	79HH	03/21/2001	SOIL GRID				
HC79HH1DAA	79HH	03/21/2001	SOIL GRID				
HC79ID1AAA	79ID	03/22/2001	SOIL GRID				

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3/17/2001-3/23/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC79ID1BAA	79ID	03/22/2001	SOIL GRID				
HC79ID1BAD	79ID	03/22/2001	SOIL GRID				
HC79ID1CAA	79ID	03/22/2001	SOIL GRID				
HC79ID1DAA	79ID	03/22/2001	SOIL GRID				
HC79IE1AAA	79IE	03/22/2001	SOIL GRID				
HC79IE1BAA	79IE	03/22/2001	SOIL GRID				
HC79IE1CAA	79IE	03/22/2001	SOIL GRID				
HC79IE1DAA	79IE	03/22/2001	SOIL GRID				
HC79IF1AAA	79IF	03/22/2001	SOIL GRID				
HC79IF1BAA	79IF	03/22/2001	SOIL GRID				
HC79IF1CAA	79IF	03/22/2001	SOIL GRID				
HC79IF1DAA	79IF	03/22/2001	SOIL GRID				
HC79IG1AAA	79IG	03/23/2001	SOIL GRID				
HC79IG1BAA	79IG	03/23/2001	SOIL GRID				
HC79IG1CAA	79IG	03/23/2001	SOIL GRID				
HC79IG1DAA	79IG	03/23/2001	SOIL GRID				
HC87E1AAA	87E	03/22/2001	SOIL GRID				
HC87E1BAA	87E	03/22/2001	SOIL GRID				
HC87E1CAA	87E	03/22/2001	SOIL GRID				
HC87E1CAD	87E	03/22/2001	SOIL GRID				
HC87E1DAA	87E	03/22/2001	SOIL GRID				
HD130AA1AAA	130AA	03/19/2001	SOIL GRID	0.00	0.25		
HD130AA1BAA	130AA	03/19/2001	SOIL GRID	0.25	0.50		
HD130AA1CAA	130AA	03/19/2001	SOIL GRID	0.50	1.00		
HD130AC1CAA	130AC	03/19/2001	SOIL GRID	0.50	1.00		
HD130AD1AAA	130AD	03/19/2001	SOIL GRID	0.00	0.25		
HD130AD1BAA	130AD	03/19/2001	SOIL GRID	0.25	0.50		
HD130AD1CAA	130AD	03/19/2001	SOIL GRID	0.50	1.00		
HD130AD1CAD	130AD	03/19/2001	SOIL GRID	0.50	1.00		
HD130K1AAA	130K	03/20/2001	SOIL GRID	0.00	0.25		
HD130K1BAA	130K	03/20/2001	SOIL GRID	0.25	0.50		
HD130K1CAA	130K	03/20/2001	SOIL GRID	0.50	1.00		
HD130K1CAD	130K	03/20/2001	SOIL GRID	0.50	1.00		
HD130L1AAA	130L	03/20/2001	SOIL GRID	0.00	0.25		
HD130L1BAA	130L	03/20/2001	SOIL GRID	0.25	0.50		
HD130L1CAA	130L	03/20/2001	SOIL GRID	0.50	1.00		
HD130M1AAA	130M	03/20/2001	SOIL GRID	0.00	0.25		
HD130M1BAA	130M	03/20/2001	SOIL GRID	0.25	0.50		
HD130M1BAD	130M	03/20/2001	SOIL GRID	0.25	0.50		
HD130M1CAA	130M	03/20/2001	SOIL GRID	0.50	1.00		
HD130N1AAA	130N	03/20/2001	SOIL GRID	0.00	0.25		
HD130N1BAA	130N	03/20/2001	SOIL GRID	0.25	0.50		
HD130N1CAA	130N	03/20/2001	SOIL GRID	0.50	1.00		
HD130Q1AAA	130Q	03/21/2001	SOIL GRID	0.00	0.25		

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TABLE 2
SAMPLING PROGRESS
3/17/2001-3/23/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD130Q1BAA	130Q	03/21/2001	SOIL GRID	0.25	0.50		
HD130Q1CAA	130Q	03/21/2001	SOIL GRID	0.50	1.00		
HD130R1AAA	130R	03/21/2001	SOIL GRID	0.00	0.25		
HD130R1BAA	130R	03/21/2001	SOIL GRID	0.25	0.50		
HD130R1CAA	130R	03/21/2001	SOIL GRID	0.50	1.00		
HD130T1AAA	130T	03/23/2001	SOIL GRID	0.00	0.25		
HD130T1BAA	130T	03/23/2001	SOIL GRID	0.25	0.50		
HD130T1CAA	130T	03/23/2001	SOIL GRID	0.50	1.00		
HD130U1AAA	130U	03/23/2001	SOIL GRID	0.00	0.25		
HD130U1BAA	130U	03/23/2001	SOIL GRID	0.25	0.50		
HD130U1CAA	130U	03/23/2001	SOIL GRID	0.50	1.00		
HD130Z1AAA	130Z	03/19/2001	SOIL GRID	0.00	0.25		
HD130Z1BAA	130Z	03/19/2001	SOIL GRID	0.25	0.50		
HD130Z1CAA	130Z	03/19/2001	SOIL GRID	0.50	1.00		
HD132A1AAA	132A	03/19/2001	SOIL GRID	0.00	0.25		
HD132A1BAA	132A	03/19/2001	SOIL GRID	0.25	0.50		
HD132A1CAA	132A	03/19/2001	SOIL GRID	0.50	1.00		
HD132A1CAD	132A	03/19/2001	SOIL GRID	0.50	1.00		
HD132B1AAA	132B	03/19/2001	SOIL GRID	0.00	0.25		
HD132B1BAA	132B	03/19/2001	SOIL GRID	0.25	0.50		
HD132B1CAA	132B	03/19/2001	SOIL GRID	0.50	1.00		
HD132B1CAD	132B	03/19/2001	SOIL GRID	0.50	1.00		
HD132C1AAA	132C	03/19/2001	SOIL GRID	0.00	0.25		
HD132C1BAA	132C	03/19/2001	SOIL GRID	0.25	0.50		
HD132C1CAA	132C	03/19/2001	SOIL GRID	0.50	1.00		
HD132G1AAA	132G	03/21/2001	SOIL GRID	0.00	0.25		
HD132G1BAA	132G	03/21/2001	SOIL GRID	0.25	0.50		
HD132G1CAA	132G	03/21/2001	SOIL GRID	0.50	1.00		
HD132G2AAA	132G	03/21/2001	SOIL GRID	0.00	0.25		
HD132G2BAA	132G	03/21/2001	SOIL GRID	0.25	0.50		
HD132G2CAA	132G	03/21/2001	SOIL GRID	0.50	1.00		
HD132G3AAA	132G	03/21/2001	SOIL GRID	0.00	0.25		
HD132G3BAA	132G	03/21/2001	SOIL GRID	0.25	0.50		
HD132G3CAA	132G	03/21/2001	SOIL GRID	0.50	1.00		
HD132G4AAA	132G	03/21/2001	SOIL GRID	0.00	0.25		
HD132G4BAA	132G	03/21/2001	SOIL GRID	0.25	0.50		
HD132G4CAA	132G	03/21/2001	SOIL GRID	0.50	1.00		
HD132G5AAA	132G	03/21/2001	SOIL GRID	0.00	0.25		
HD132G5BAA	132G	03/21/2001	SOIL GRID	0.25	0.50		
HD132G5CAA	132G	03/21/2001	SOIL GRID	0.50	1.00		
HD132G5CAD	132G	03/21/2001	SOIL GRID	0.50	1.00		
HD132H1AAA	132H	03/21/2001	SOIL GRID	0.00	0.25		
HD132H1BAA	132H	03/21/2001	SOIL GRID	0.25	0.50		
HD132H1CAA	132H	03/21/2001	SOIL GRID	0.50	1.00		

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SAMPLING PROGRESS
3/17/2001-3/23/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD132H1CAA	132H	03/22/2001	SOIL GRID	0.50	1.00		
HD132H2AAA	132H	03/21/2001	SOIL GRID	0.00	0.25		
HD132H2BAA	132H	03/21/2001	SOIL GRID	0.25	0.50		
HD132H2CAA	132H	03/21/2001	SOIL GRID	0.50	1.00		
HD132H2CAA	132H	03/22/2001	SOIL GRID	0.50	1.00		
HD132H3AAA	132H	03/21/2001	SOIL GRID	0.00	0.25		
HD132H3BAA	132H	03/21/2001	SOIL GRID	0.25	0.50		
HD132H3CAA	132H	03/21/2001	SOIL GRID	0.50	1.00		
HD132H3CAA	132H	03/22/2001	SOIL GRID	0.50	1.00		
HD132H4AAA	132H	03/21/2001	SOIL GRID	0.00	0.25		
HD132H4BAA	132H	03/21/2001	SOIL GRID	0.25	0.50		
HD132H4CAA	132H	03/21/2001	SOIL GRID	0.50	1.00		
HD132H4CAA	132H	03/22/2001	SOIL GRID	0.50	1.00		
HD132H5AAA	132H	03/21/2001	SOIL GRID	0.00	0.25		
HD132H5BAA	132H	03/21/2001	SOIL GRID	0.25	0.50		
HD132H5BAD	132H	03/21/2001	SOIL GRID	0.25	0.50		
HD132H5CAA	132H	03/21/2001	SOIL GRID	0.50	1.00		
HD132H5CAA	132H	03/22/2001	SOIL GRID	0.50	1.00		
HD132H5CAD	132H	03/21/2001	SOIL GRID	0.50	1.00		
HD132H5CAD	132H	03/22/2001	SOIL GRID	0.50	1.00		
HD132N1AAA	130N	03/21/2001	SOIL GRID	0.00	0.25		
HD132N1BAA	130N	03/21/2001	SOIL GRID	0.25	0.50		
HD132N1CAA	130N	03/21/2001	SOIL GRID	0.50	1.00		
HD132P1AAA	132P	03/20/2001	SOIL GRID	0.00	0.25		
HD132P1BAA	132P	03/20/2001	SOIL GRID	0.25	0.50		
HD132P1CAA	132P	03/20/2001	SOIL GRID	0.50	1.00		
HD132Q1AAA	132Q	03/20/2001	SOIL GRID	0.00	0.25		
HD132Q1BAA	132Q	03/20/2001	SOIL GRID	0.25	0.50		
HD132Q1CAA	132Q	03/20/2001	SOIL GRID	0.50	1.00		
HD132S1AAA	132S	03/20/2001	SOIL GRID	0.00	0.25		
HD132S1BAA	132S	03/20/2001	SOIL GRID	0.25	0.50		
HD132S1CAA	132S	03/20/2001	SOIL GRID	0.50	1.00		
HD132T1AAA	132T	03/20/2001	SOIL GRID	0.00	0.25		
HD132T1BAA	132T	03/20/2001	SOIL GRID	0.25	0.50		
HD132T1CAA	132T	03/20/2001	SOIL GRID	0.50	1.00		
HD87E1AAA	87E	03/22/2001	SOIL GRID				
HD87E1BAA	87E	03/22/2001	SOIL GRID				
HD87E1CAA	87E	03/22/2001	SOIL GRID				
HD87E1CAD	87E	03/22/2001	SOIL GRID				
HD87E1DAA	87E	03/22/2001	SOIL GRID				
HD87E3AAA	87E	03/22/2001	SOIL GRID				
HD87E3BAA	87E	03/22/2001	SOIL GRID				
HD87E3BAD	87E	03/22/2001	SOIL GRID				
HD87E3CAA	87E	03/22/2001	SOIL GRID				

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SAMPLING PROGRESS
3/17/2001-3/23/2001

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HD87E3DAA	87E	03/22/2001	SOIL GRID				
HD87E5AAA	87E	03/22/2001	SOIL GRID				
HD87E5BAA	87E	03/22/2001	SOIL GRID				
HD87E5BAD	87E	03/22/2001	SOIL GRID				
HD87E5CAA	87E	03/22/2001	SOIL GRID				
HD87E5DAA	87E	03/22/2001	SOIL GRID				
HD87E7AAA	87E	03/22/2001	SOIL GRID				
HD87E7BAA	87E	03/22/2001	SOIL GRID				
HD87E7CAA	87E	03/22/2001	SOIL GRID				
HD87E7CAD	87E	03/22/2001	SOIL GRID				
HD87E7DAA	87E	03/22/2001	SOIL GRID				

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 3/3/01-3/23/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
W114M1A	MW-114	03/14/2001	GROUNDWATE	180.00	190.00	96.50	106.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W114M2A	MW-114	03/14/2001	GROUNDWATE	120.00	130.00	36.50	46.50	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
W114M2A	MW-114	03/14/2001	GROUNDWATE	120.00	130.00	36.50	46.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W114M2A	MW-114	03/14/2001	GROUNDWATE	120.00	130.00	36.50	46.50	8330N	OCTAHYDRO-1,3,5,7-TETRANITI	YES
W129M1A	MW-129	03/14/2001	GROUNDWATE	136.00	146.00	62.94	72.94	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W129M2A	MW-129	03/14/2001	GROUNDWATE	116.00	126.00	42.90	52.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G159DAA	MW-159	03/15/2001	PROFILE	130.00	130.00	1.50	1.50	8330N	2,6-DIAMINO-4-NITROTOLUENE	NO
G159DAA	MW-159	03/15/2001	PROFILE	130.00	130.00	1.50	1.50	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G159DAA	MW-159	03/15/2001	PROFILE	130.00	130.00	1.50	1.50	8330N	NITROGLYCERIN	NO
G159DAA	MW-159	03/15/2001	PROFILE	130.00	130.00	1.50	1.50	8330N	PICRIC ACID	NO
G159DFA	MW-159	03/20/2001	PROFILE	180.00	180.00	51.50	51.50	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G159DFA	MW-159	03/20/2001	PROFILE	180.00	180.00	51.50	51.50	8330N	PICRIC ACID	NO
GSB24AA	B-24	03/20/2001	PROFILE	36.50	36.50	4.50	4.50	OC21V	ACETONE	
GSB24AA	B-24	03/20/2001	PROFILE	36.50	36.50	4.50	4.50	OC21V	CHLOROFORM	
GSB24AA	B-24	03/20/2001	PROFILE	36.50	36.50	4.50	4.50	OC21V	CHLOROMETHANE	
GSB24AA	B-24	03/20/2001	PROFILE	36.50	36.50	4.50	4.50	OC21V	TOLUENE	
GSB25AA	B-25	03/21/2001	PROFILE	36.00	36.00	4.00	4.00	OC21V	ACETONE	
GSB25AA	B-25	03/21/2001	PROFILE	36.00	36.00	4.00	4.00	OC21V	CARBON DISULFIDE	
GSB25AA	B-25	03/21/2001	PROFILE	36.00	36.00	4.00	4.00	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

Groundwater Wells at MMR

LEGEND

- Existing Monitoring Well
- Proposed Monitoring Well
- Proposed Supply Well

0 0.5 1 Miles

See Inset A

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G:\MMR\MMR\arcVprj\all_wells.apr
March 27, 2001 PRC

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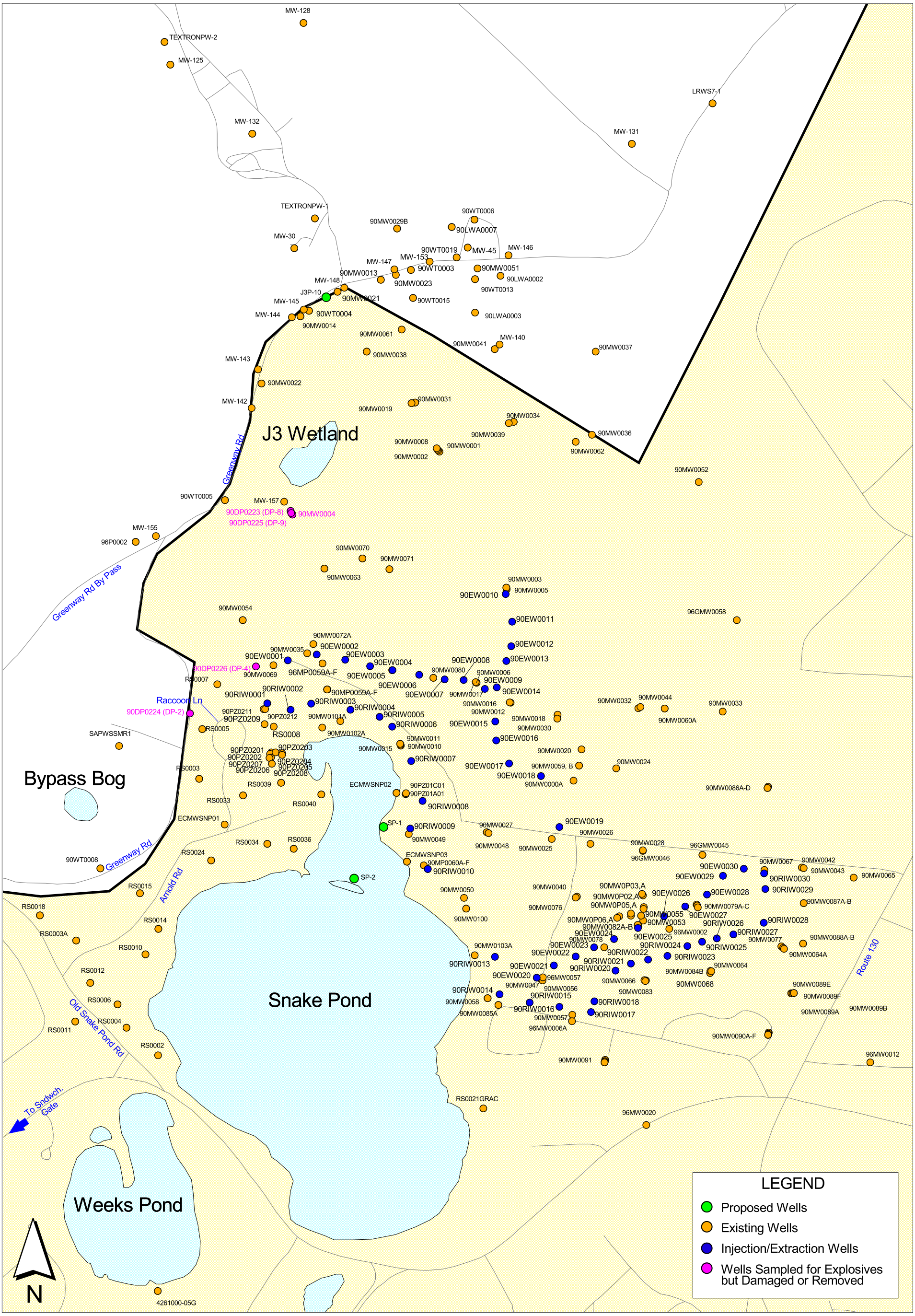

0 600 1200 Feet

Inset A

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March 27, 2001 PRC