WEEKLY PROGRESS UPDATE
FOR OCTOBER 9 – OCTOBER 13, 2000

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 October 9 to October 13, 2000.

1. SUMMARY OF ACTIONS TAKEN

Drilling progress as of October 13 is summarized in Table 1.

Table 1. Drilling progress as of October 13, 2000

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-130	J-2 Range (J2P-7)	330	225	
MW-15A	Impact Area Response Well P-32	260	149	124-134 144-154 163-173
MW-131	J-1 Range (J1P-3)	314	217	
MW-132	J-3 Range (J3P-1)	255	216	
MW-133	Impact Area Response Well P-37	92		
MW-134	Impact Area Response Well P-33	32		

bgs = below ground surface
bwt = below water table

Completed drilling and well installation on MW-15A (P-32). Completed drilling on MW-131 (J1P-3) and MW-132 (J3P-1). Commenced drilling on MW-133 (P-37) and MW-134 (P-33). Continued UXO avoidance at Targets and downhole clearance at P-37 and P-33. Development of newly installed wells continued. There was no work on Monday due to the Columbus Day holiday.

Samples collected during the reporting period are summarized in Table 2. Supplemental BIP grid soil samples were collected from four craters in the J-2 Range. Wipe samples were collected from UXO and UXORM at Test Plot 1 and 2 in the HUTA. Groundwater sampling was continued for the first round of Impact Area Response wells MW-108 through MW-113 and the second round of Impact Area response wells MW-85 through MW-107. Groundwater profile samples were collected during the drilling of MW-130, 131, and 132. Deep soil sampling was performed at the boring for MW-133 and MW-134. Soil samples were collected from Pre-BIP locations in Test Plot 1 and 2 at the HUTA. Soil samples were collected from ring grids around Targets 20 (Area 112), 22 (Area 113), 23 (Area 115), and 31 (Area 117). Pre-BIP soil, soil on the UXO, and soil from under the UXO were collected in the J-1Range as part of the munition survey.

The Guard, EPA, and MADEP had a meeting on October 12 to discuss technical issues, including the following:

- Tetra Tech provided an update on the Archive Search Report Integration and Enhancement Project. A one-page summary on the status of the ASR was distributed. MADEP and EPA have no comments on the draft approach letters to the military and contracts research. 10 interviews have been conducted; nine of which have been summarized and provided to the agencies. EPA requests copies

of the originals, in addition to the summaries. Two letters on USACE Rock Island Revised OE ASR and HTRW Preliminary Assessment Updates were also distributed: one, a list of accomplishments from August 23 through September 19, and one through October 3. In brief, these include: submittal of USACE Rock Island's research plan to the agencies; the completion of research at the National Personnel Records Center, the Naval Construction Battalion, and the New England Regional Archives; current research of all National Capitol Region archives (expecting to have documents by the end of October, one of critical importance was previously forwarded to the IAGS); current reformation of the March 1999 OE ASR (25% complete); production of plots of the firing fans (to be included in revised ASR and also forwarded to EPA, Ogden and Tetra Tech); review of Tetra Tech's Communication Plan; provided technical data for M117 series 750 lb. bomb to IAGS (8/30/00); provided unit information for 26th Infantry Division to Tetra Tech (8/31/00); provided a CD of all March 1999 OE ASR documents to Tetra Tech (including site photos, aerial photos, interviews, and reports: 9/15/00); and currently compiling latitude/longitude data for all former ranges, GPs, and MPs (to be provided in revised ASR). A list of the original aerial and site photos should be provided to EPA, Ogden and Tetra Tech. EPA requests that the lat/long data of targets be included in the ASR report.

The ASR update also included Military Historical Research. The Military History Museum in Worcester, MA was visited to collect file information that will help document military unit activity at MMR during the time period of interest. An extensive list of possible lines of communication has been developed and an Excel database has been organized, including names of units, civilian organizations, branches of service, and range usage. Research has also been done with the Coast Guard, producing no documents and only information of small arms range activities. A historical and informative summary will be produced. A Camp Edwards "Museum" may exist in a person's home; however, this will not be pursued until further notice.

Regarding contract research, the 104(e) responses have been obtained, copied, and reviewed for research-related materials. Tetra Tech is currently communicating with Picatinny to schedule contract records collection and interviews with personnel. Other sources of information may include annual reports and classified files. Legal issues have included the declassification of documents and formal requests for information. Army research is being held off until further information from Picatinny.

A meeting was held October 10 to discuss GIS integration, linkages, and use.

- Jacobs provided an update on the CS-19 Investigation. The MOR was distributed to the agencies on October 5. The final draft of the RI is waiting on comments and supplemental work information. AFCEE will be providing Jacobs with schedule information.

- Jacobs provided an update on the CS-18 Investigation. The official schedule has been distributed by AFCEE.

- EPA provided information on the Water Supply Study. ZOCs are tentative. Pumping rates are in the process of being finalized. A total of 10 chemical monitoring wells will be proposed to the state for water supply wells 1, 2, and 3. EPA indicated that the ZOC for site 2 and 3 may overlap with the J-Ranges and MW-57 is in the ZOC for site 1.

- Tetra Tech provided an update on the Munitions Survey. A one-page summary was distributed. In the J-1 Range, the Brontosaurus has cleared 30-35 acres and continues, following UXO surface clearance. Brush cutting/chipping continues in the J-2 range, with 83 of the 130 grids UXO surface cleared, and 47 fully brush cut. GP10, GP11, and Demo 1 validation is complete, and Pond

validation is awaiting direction on further validation procedures. Within the HUTA, excavation of topsoil (3") in TP1 is complete and UXO clearance is underway. Good results are reported on the screening plant operations, and 4 BIPs are scheduled for Tuesday (10/17). The interior road around TP2 is under construction and UXO classification is complete, with item removal being done upon sampling. Tetra Tech will be trying a new geophysics system next week, called "Gem3," which consists of a multispectral analysis machine based on a frequency domain. In other projects, this instrumentation has proven effective, and it will be compared to the geophysics system currently being used at MMR. Tetra Tech is requesting to keep part of the Impact Area open during the two weeks of hunting season. A hunting season conflict resolution meeting was held on October 11 and a follow-up is scheduled for Wednesday the 18th. Reports will be going out to EPA today or tomorrow.

- Ogden provided an update on the Rapid Response Action. A one-page summary was distributed. Regarding the Treatability Study, a mass balance type calculation and explanation of Brice Soil Washing TS Report was submitted to the Guard/AEC as requested by EPA. The "Draft" version of Envirogen's TS Report was also submitted. Further discussion on this matter is suggested during or after the 10/19/00 Tech Meeting. All previously excavated soils have been secured at the containment pad, and additional excavation is required at GP-7 and APC. Post-excavation soil sampling results have been received and a summary letter has been prepared for the Guard. Rainwater is being collected from soil staging portion of containment pad. The soil washing plant should be fully completed tomorrow (10/13) and washing will begin next week. Upcoming activities include additional post-excavation sampling and analysis of GP-7 and APC, as well as backfilling and restoration of excavation grids. APC grid backfilling and restoration is subject to coordination with Tetra Tech HUTA work activities. EPA requests the order in which the grids were excavated.

- Ogden provided an update on the Groundwater Field Investigation. A one-page summary was distributed. Well installation of MW-15A (P-32), MW-130 (J2P-7), and MW-132 (J3P-1) should be completed this week. MW-131 (J1P-3) has been drilled and is awaiting screen selection. Screens for MW-130 and MW-132 will be selected tomorrow (10/13) afternoon. Drilling of wells P-37, J2P-5, and P-33 will begin next week. Groundwater sampling of round two of Impact Area response wells and round one of interim supplemental Impact Area wells continues. Ogden continues to develop newly installed wells. UXO avoidance flagging at tank targets and clearance at supplemental BIP grids in the J-2 Range continues this week and next, as well as clearance of J2P-5 and J1P-2. Soil sampling continues at tank target grids, supplemental BIP grid sampling in J-2 Range, and grids at the J1P-2 pad.

- Ogden distributed unvalidated data for the supplemental BIP grids for Target 9 and P-19, unvalidated data of Demo 1 metal results, the newest detects, a map of the proposed locations of wells D1P2 and D1P1, and an updated map of all MMR groundwater wells. The agencies agreed with the location of D1P2.

- There was a brief discussion on "Step 1" of the Ogden's soil background approach. EPA requests further narrative explanation as to why Ogden chose this approach. This should also be forwarded to the TOSC group and the IART, and will be discussed in more detail at next week's technical meeting. Comments will be requested from TOSC as soon as possible.

- EPA commented on Ogden's CS-19 cross-sectional maps. Ogden should add dashes in appropriate areas to be consistent with previous CS-19 maps.

- There was a brief discussion on IART Action Item #6. Ogden has been communicating with JPO regarding this issue.

- Resolution meeting for Phase 2b FSP: EPA referred to a diagram of the Grenade Courts to indicate to Ogden where the grids should go. EPA requests an amendment for the current ASP for Phase 2b and a schedule for BIPs.

- A meeting will be held between EPA and Ogden during the week of October 30 to discuss revisions for the long-term monitoring plan of the next sampling round.

- Comment resolutions: EPA recently received Ogden's RCL dated 10/6/00, and requested more time to review it. EPA will send comments later and they will be discussed at next week's technical meeting (10/19).

- EPA presented their comments on the MOR for the Feasibility Study Workplan.
  1. Page 2 of 7; #27: EPA has two comments: first, EPA requests that Guard include a statement that indicated that at he accepted munitions failure rate is approximately 10%. Second, regarding the last part of the question, EPA requests that Guard reference general interview information and the USACE guidance document regarding historic burial of munitions.
  2. Page 3 of 7; #30: EPA would like Guard to add general information indicating that UXO has been found in poor condition throughout the Impact Area and Training Ranges, not just specifically at the J Ranges.
  3. Page 4 of 7; #40: EPA requested the word "authority" be substituted for "required" in the MOR response

- Ogden has sent EPA a revised document on the COC identification process. Ogden is still waiting on further EPA comments.

- There was a discussion on the updated schedules. A letter has been sent to EPA with the revised parts of the schedule, excluding Demo 1. The Demo 1 revised schedule has been previously submitted (9/21/00). Tetra Tech reports that the HUTA schedule of May 18 is on track, but still variable. Closure of the impact area for hunting will also interfere with previous deadline goals. There will be a meeting Wednesday, October 18 at 10:30am to discuss the closure of the impact area for hunting. In the Southeast corner of the ranges, increased investigation time is needed. When the previous schedule was prepared, Ogden lacked the full scope. Additional time is also needed based on drilling conflicts with UXO safety zones. The new schedule suggests completing stage 1 wells and waiting on stage 2 for completion of the Munitions Survey UXO clearance. There would be an exception for stage 2 off-base priority wells down-gradient of the J-Ranges. EPA would like to try to find a way to better coordinate activities and requests that Ogden and Tetra Tech further break down their proposed schedules into specific activities, including the necessary time for each to be completed. A meeting will be held Wednesday, October 18 at 10:00 with Ogden, Tetra Tech, and EPA to cover the specifics. EPA will respond separately to each of the areas after next week's technical 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:

- The groundwater samples from MW-100M1 and MW-94M2 had detections of RDX and HMX, which were verified by PDA spectra. These detections were similar to the previous sampling round.

- The groundwater samples from MW-100M2, MW-101M1, MW-101S, MW-112M1, MW-112M2, MW-90M1, MW-90S, MW-94S, MW-98M1, and MW-99M1 had detections of RDX, which were verified by PDA spectra. These detections were similar to the previous sampling round except MW-112M1/M2 and MW-94S. MW-112M1/M2 were sampled for the first time but the profile samples had similar detections. MW-94S was non-detect for the previous sampling round.

- The groundwater sample from MW-98S had a detection of 2a-DNT and 4a-DNT, which were verified by PDA spectra. The previous sampling round had a detection of 4a-DNT.

- The groundwater profile samples from MW-130 had detections of acetone (4 intervals), MEK (2 intervals), chloroform (5 intervals), PETN (1 interval), and picric acid (1 interval). The explosive detections were not verified by PDA spectra.

- The groundwater profile samples from MW-131 had detections of acetone (12 intervals), chloroform (18 intervals), MEK (3 intervals), chloroethane (2 intervals), ethylbenzene (2 intervals), MIBK (3 intervals), xylene (4 intervals), nitroglycerin (1 interval), and 2,6-DNT (2 intervals). The explosive detections were not verified by PDA spectra.

- The groundwater profile samples from MW-132 had detections of acetone (14 intervals), MEK (8 intervals), chloroform (10 intervals), 1,2,4-trichlorobenzene (1 interval), nitroglycerin (3 intervals), and HMX (1 interval). The HMX detection was verified by PDA spectra.

- The quality assurance profile rinsate samples from MW-130, MW-131, and MW-132 had detections of acetone. A quality assurance trip blank from MW-130 had a detection of carbon disulfide.

3. DELIVERABLES SUBMITTED

The following deliverables were submitted during the reporting period.

Monthly Progress Report #42 (September, 2000)	10/10/00
Weekly Progress Update (October 2-October 6)	10/13/00

4. SCHEDULED ACTIONS

Scheduled actions for the week of October 16 include well installation at MW-131 (J1P-3) and MW-132 (J3P-1); continue drilling MW-133 (P-37) and MW-134 (P-33); continue UXO avoidance at the Impact Area targets; continue collection of soil samples from grids at the Impact Area targets; collection of soil samples after SAR firing at the I and G ranges; excavation of the trenches at the Demo 1 burn pit; commence the deep soil borings in Demo 1; and continue groundwater sampling of the Impact Area response wells (MW-85 through MW-115).

5. SUMMARY OF ACTIVITIES FOR DEMO 1

The regulatory agencies have provided comments on the draft FS Workplan for AO3 (including Demo 1) and the draft technical memorandum for the Demo 1 response actions, and the Guard's responses to comments on both documents are being discussed with the agencies.

Validation of munitions survey results by excavation of selected anomalies was completed. Trenches were excavated and soil samples collected from the burn pit identified in the anomaly validation. The deep boring and sample collection commenced and will continue into next week.

Groundwater profile results for MW-129 (D1P-1), which is located south of MW-114 on the south side of Poccasset-Forestdale Road, indicate that the boring is located along the southern fringe of the Demo 1 RDX plume. Monitoring wells were installed at this location during the week and will be sampled following development. The proposed location for response well D1P-2 was agreed upon with the agencies based on the profile results.

TABLE 2
SAMPLING PROGRESS
10/8/2000-10/14/2000

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HDJ260MMS1	HDJ260MMS1	10/11/2000	CRATER GRID	0.00	0.25		
HDJ260MMS2	HDJ260MMS2	10/11/2000	CRATER GRID	0.00	0.25		
HDJ260MMS3	HDJ260MMS3	10/11/2000	CRATER GRID	0.00	0.25		
HDJ260MMS4	HDJ260MMS4	10/11/2000	CRATER GRID	0.00	0.25		
HDJ260MMS5	HDJ260MMS5	10/11/2000	CRATER GRID	0.00	0.25		
HDJ260MMS6	HDJ260MMS6	10/11/2000	CRATER GRID	0.00	0.25		
HDJ260MMS7	HDJ260MMS7	10/11/2000	CRATER GRID	0.00	0.25		
HDJ260MMS8	HDJ260MMS8	10/11/2000	CRATER GRID	0.00	0.25		
HDJ260MMS8D	HDJ260MMS8	10/11/2000	CRATER GRID	0.00	0.25		
HDJ281MM03S1	HDJ281MM03S1	10/11/2000	CRATER GRID	0.00	0.25		
HDJ281MM03S2	HDJ281MM03S2	10/11/2000	CRATER GRID	0.00	0.25		
HDJ281MM03S3	HDJ281MM03S3	10/11/2000	CRATER GRID	0.00	0.25		
HDJ281MM03S4	HDJ281MM03S4	10/11/2000	CRATER GRID	0.00	0.25		
HDJ281MM03S5	HDJ281MM03S5	10/11/2000	CRATER GRID	0.00	0.25		
HDJ281MM03S6	HDJ281MM03S6	10/11/2000	CRATER GRID	0.00	0.25		
HDJ281MM03S7	HDJ281MM03S7	10/11/2000	CRATER GRID	0.00	0.25		
HDJ281MM03S8	HDJ281MM03S8	10/11/2000	CRATER GRID	0.00	0.25		
HDJ281MM03S8D	HDJ281MM03S8	10/11/2000	CRATER GRID	0.00	0.25		
HDJ281MM2S1	HDJ281MM2S1	10/11/2000	CRATER GRID	0.00	0.25		
HDJ281MM2S2	HDJ281MM2S2	10/11/2000	CRATER GRID	0.00	0.25		
HDJ281MM2S3	HDJ281MM2S3	10/11/2000	CRATER GRID	0.00	0.25		
HDJ281MM2S4	HDJ281MM2S4	10/11/2000	CRATER GRID	0.00	0.25		
HDJ281MM2S5	HDJ281MM2S5	10/11/2000	CRATER GRID	0.00	0.25		
HDJ281MM2S6	HDJ281MM2S6	10/11/2000	CRATER GRID	0.00	0.25		
HDJ281MM2S7	HDJ281MM2S7	10/11/2000	CRATER GRID	0.00	0.25		
HDJ281MM2S8	HDJ281MM2S8	10/11/2000	CRATER GRID	0.00	0.25		
HDJ281MM2S8D	HDJ281MM2S8	10/11/2000	CRATER GRID	0.00	0.25		
HDJ2M7LAWES1	HDJ2M7LAWES1	10/11/2000	CRATER GRID	0.00	0.25		
HDJ2M7LAWES2	HDJ2M7LAWES2	10/11/2000	CRATER GRID	0.00	0.25		
HDJ2M7LAWES3	HDJ2M7LAWES3	10/11/2000	CRATER GRID	0.00	0.25		
HDJ2M7LAWES4	HDJ2M7LAWES4	10/11/2000	CRATER GRID	0.00	0.25		
HDJ2M7LAWES5	HDJ2M7LAWES5	10/11/2000	CRATER GRID	0.00	0.25		
HDJ2M7LAWES6	HDJ2M7LAWES6	10/11/2000	CRATER GRID	0.00	0.25		
HDJ2M7LAWES7	HDJ2M7LAWES7	10/11/2000	CRATER GRID	0.00	0.25		
HDJ2M7LAWES8	HDJ2M7LAWES8	10/11/2000	CRATER GRID	0.00	0.25		
HDJ2M7LAWES8D	HDJ2M7LAWES8	10/11/2000	CRATER GRID	0.00	0.25		
0.G.0.00019.0.T	FIELDQC	10/10/2000	FIELDQC	0.00	0.00		
0.G.0.00020.0.T	FIELDQC	10/13/2000	FIELDQC	0.00	0.00		
G130DSE	FIELDQC	10/10/2000	FIELDQC	0.00	0.00		
G130DXT	FIELDQC	10/10/2000	FIELDQC	0.00	0.00		
G131DKE	FIELDQC	10/11/2000	FIELDQC	0.00	0.00		
G131DTE	FIELDQC	10/12/2000	FIELDQC	0.00	0.00		
G131DTT	FIELDQC	10/12/2000	FIELDQC	0.00	0.00		

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

TABLE 2
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10/8/2000-10/14/2000

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC112B1CAE	FIELDQC	10/10/2000	FIELDQC	0.00	0.00		
HC113A1CAE	FIELDQC	10/12/2000	FIELDQC	0.00	0.00		
HC117A1AAE	FIELDQC	10/13/2000	FIELDQC	0.00	0.00		
HC117A1AAT	FIELDQC	10/13/2000	FIELDQC	0.00	0.00		
HDJ281MM2S8E	FIELDQC	10/11/2000	FIELDQC	0.00	0.00		
S133DAE	FIELDQC	10/12/2000	FIELDQC	0.00	0.00		
S134DAE	FIELDQC	10/13/2000	FIELDQC	0.00	0.00		
1.B.1.00494.3.0	1.B.1.00494.3.0	10/13/2000	GAUZE WIPE				
1.C.2.00313.3.0	1.C.2.00313.3.0	10/13/2000	GAUZE WIPE				
1.C.2.00314.2.S	1.C.2.00314.2.S	10/13/2000	GAUZE WIPE				
1.C.2.00314.3.D	1.C.2.00314.3.0	10/13/2000	GAUZE WIPE				
1.C.2.00316.3.0	1.C.2.00316.3.0	10/13/2000	GAUZE WIPE				
1.C.2.00318.3.0	1.C.2.00318.3.0	10/13/2000	GAUZE WIPE				
1.C.2.00320.3.0	1.C.2.00320.3.0	10/13/2000	GAUZE WIPE				
1.C.2.00321.3.0	1.C.2.00321.3.0	10/13/2000	GAUZE WIPE				
1.D.2.00315.3.0	1.D.2.00315.3.0	10/13/2000	GAUZE WIPE				
1.D.2.00317.3.0	1.D.2.00317.3.0	10/13/2000	GAUZE WIPE				
1.D.2.00319.3.0	1.D.2.00319.3.0	10/13/2000	GAUZE WIPE				
2.B.1.00461.3.0	2.B.1.00461.3.0	10/12/2000	GAUZE WIPE				
2.B.1.00481.3.0	2.B.1.00481.3.0	10/12/2000	GAUZE WIPE				
2.C.1.00459.3.0	2.C.1.00459.3.0	10/13/2000	GAUZE WIPE				
2.C.1.00460.3.0	2.C.1.00460.3.0	10/13/2000	GAUZE WIPE				
2.C.1.00463.3.0	2.C.1.00463.3.0	10/13/2000	GAUZE WIPE				
2.C.1.00465.3.0	2.C.1.00465.3.0	10/13/2000	GAUZE WIPE				
2.C.1.00466.3.0	2.C.1.00466.3.0	10/13/2000	GAUZE WIPE				
2.C.1.00480.3.0	2.C.1.00480.3.0	10/13/2000	GAUZE WIPE				
2.C.1.00482.3.0	2.C.1.00482.3.0	10/13/2000	GAUZE WIPE				
2.C.1.00483.3.0	2.C.1.00483.3.0	10/13/2000	GAUZE WIPE				
2.C.1.00491.3.0	2.C.1.00491.3.0	10/13/2000	GAUZE WIPE				
2.C.1.00492.3.0	2.C.1.00492.3.0	10/13/2000	GAUZE WIPE				
2.C.1.00493.3.0	2.C.1.00493.3.0	10/12/2000	GAUZE WIPE				
W109SSA	MW-109	10/11/2000	GROUNDWATER	89.00	99.00	0.00	10.00
W110M3A	MW-110	10/11/2000	GROUNDWATER	220.50	230.50	44.50	54.50
W111M1A	MW-111	10/10/2000	GROUNDWATER	224.00	234.00	88.80	78.80
W111M2A	MW-111	10/10/2000	GROUNDWATER	182.00	192.00	46.80	56.80
W111M3A	MW-111	10/10/2000	GROUNDWATER	165.00	175.00	29.80	39.80
W90M1A	MW-90	10/11/2000	GROUNDWATER	145.00	155.00	24.70	34.70
W90SSA	MW-90	10/11/2000	GROUNDWATER	118.00	128.00	0.00	10.00
W96SSA	MW-96	10/13/2000	GROUNDWATER	134.00	144.00	0.00	10.00
W96SSD	MW-96	10/13/2000	GROUNDWATER	134.00	144.00	0.00	10.00
DW1011	GAC WATER	10/11/2000	IDW				
G130DSA	MW-130	10/10/2000	PROFILE	280.00	280.00	175.20	175.20
G130DTA	MW-130	10/10/2000	PROFILE	290.00	290.00	185.20	185.20
G130DUA	MW-130	10/10/2000	PROFILE	300.00	300.00	195.20	195.20

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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

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SAMPLING PROGRESS
10/8/2000-10/14/2000

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G130DVA	MW-130	10/10/2000	PROFILE	310.00	310.00	205.20	205.20
G130DWA	MW-130	10/10/2000	PROFILE	320.00	320.00	215.20	215.20
G130DXA	MW-130	10/10/2000	PROFILE	330.00	330.00	225.20	225.20
G130DXD	MW-130	10/10/2000	PROFILE	330.00	330.00	225.20	225.20
G131DCA	MW-131	10/10/2000	PROFILE	120.00	120.00	23.00	23.00
G131DDA	MW-131	10/10/2000	PROFILE	130.00	130.00	33.00	33.00
G131DDD	MW-131	10/10/2000	PROFILE	130.00	130.00	33.00	33.00
G131DEA	MW-131	10/10/2000	PROFILE	140.00	140.00	43.00	43.00
G131DFA	MW-131	10/10/2000	PROFILE	150.00	150.00	53.00	53.00
G131DGA	MW-131	10/10/2000	PROFILE	160.00	160.00	63.00	63.00
G131DHA	MW-131	10/10/2000	PROFILE	170.00	170.00	73.00	73.00
G131DIA	MW-131	10/10/2000	PROFILE	180.00	180.00	83.00	83.00
G131DKA	MW-131	10/11/2000	PROFILE	200.00	200.00	103.00	103.00
G131DLA	MW-131	10/11/2000	PROFILE	210.00	210.00	113.00	113.00
G131DMA	MW-131	10/11/2000	PROFILE	220.00	220.00	123.00	123.00
G131DNA	MW-131	10/11/2000	PROFILE	230.00	230.00	133.00	133.00
G131DOA	MW-131	10/11/2000	PROFILE	240.00	240.00	143.00	143.00
G131DPA	MW-131	10/11/2000	PROFILE	250.00	250.00	153.00	153.00
G131DQA	MW-131	10/11/2000	PROFILE	260.00	260.00	163.00	163.00
G131DRA	MW-131	10/11/2000	PROFILE	270.00	270.00	173.00	173.00
G131DSA	MW-131	10/11/2000	PROFILE	280.00	280.00	183.00	183.00
G131DTA	MW-131	10/12/2000	PROFILE	290.00	290.00	193.00	193.00
G131DTD	MW-131	10/12/2000	PROFILE	290.00	290.00	193.00	193.00
G131DUA	MW-131	10/12/2000	PROFILE	300.00	300.00	203.00	203.00
G131DVA	MW-131	10/12/2000	PROFILE	310.00	310.00	213.00	213.00
G131DWA	MW-131	10/12/2000	PROFILE	314.00	314.00	223.00	223.00
G132DSA	MW-132	10/11/2000	PROFILE	230.00	230.00	190.90	190.90
G132DTA	MW-132	10/11/2000	PROFILE	240.00	240.00	200.90	200.90
G132DUA	MW-132	10/11/2000	PROFILE	248.00	248.00	208.90	208.90
S133DAA	MW-133	10/12/2000	SOIL BORING	0.00	0.50		
S133DAD	MW-133	10/12/2000	SOIL BORING	0.00	0.50		
S133DBA	MW-133	10/12/2000	SOIL BORING	1.50	2.00		
S133DCA	MW-133	10/12/2000	SOIL BORING	10.00	12.00		
S133DDA	MW-133	10/13/2000	SOIL BORING	20.00	22.00		
S133DEA	MW-133	10/13/2000	SOIL BORING	30.00	32.00		
S133DFA	MW-133	10/13/2000	SOIL BORING	40.00	42.00		
S133DGA	MW-133	10/13/2000	SOIL BORING	50.00	52.00		
S133DHA	MW-133	10/13/2000	SOIL BORING	60.00	62.00		
S133DIA	MW-133	10/13/2000	SOIL BORING	70.00	72.00		
S133DID	MW-133	10/13/2000	SOIL BORING	70.00	72.00		
S133DJA	MW-133	10/13/2000	SOIL BORING	80.00	82.00		
S133DKA	MW-133	10/13/2000	SOIL BORING	90.00	92.00		
S134DAA	MW-134	10/13/2000	SOIL BORING	0.00	0.50		
S134DBA	MW-134	10/13/2000	SOIL BORING	1.50	2.00		

Profiling methods include: Volatiles and Explosives
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Other Sample Types methods are variable
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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
10/8/2000-10/14/2000

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
S134DCA	MW-134	10/13/2000	SOIL BORING	10.00	12.00		
S134DEA	MW-134	10/13/2000	SOIL BORING	30.00	32.00		
1.A.1.00444.6.0	1.A.1.00444.6.0	10/09/2000	SOIL GRID				
1.B.1.00494.4.0	1.B.1.00494.4.0	10/11/2000	SOIL GRID				
2.A.1.00445.1.0	2.A.1.00445.1.0	10/12/2000	SOIL GRID				
2.A.1.00445.1.D	2.A.1.00445.1.0	10/12/2000	SOIL GRID				
2.A.1.00445.2.S	2.A.1.00445.2.S	10/12/2000	SOIL GRID				
2.A.1.00445.3.S	2.A.1.00445.3.S	10/12/2000	SOIL GRID				
2.A.1.00445.4.S	2.A.1.00445.4.S	10/12/2000	SOIL GRID				
2.A.1.00445.5.S	2.A.1.00445.5.S	10/12/2000	SOIL GRID				
2.A.1.00462.1.0	2.A.1.00462.1.0	10/12/2000	SOIL GRID				
2.A.1.00464.1.0	2.A.1.00464.1.0	10/12/2000	SOIL GRID				
2.B.1.00461.4.0	2.B.1.00461.4.0	10/12/2000	SOIL GRID				
2.B.1.00461.4.D	2.B.1.00461.4.0	10/12/2000	SOIL GRID				
2.B.1.00481.4.0	2.B.1.00481.4.0	10/12/2000	SOIL GRID				
2.C.1.00493.1.S	2.C.1.00493.1.S	10/12/2000	SOIL GRID				
HC112A1AAA	112A	10/10/2000	SOIL GRID	0.00	0.25		
HC112A1BAA	112A	10/10/2000	SOIL GRID	0.25	0.50		
HC112A1CAA	112A	10/10/2000	SOIL GRID	0.50	1.00		
HC112B1AAA	112B	10/10/2000	SOIL GRID	0.00	0.25		
HC112B1BAA	112B	10/10/2000	SOIL GRID	0.25	0.50		
HC112B1CAA	112B	10/10/2000	SOIL GRID	0.50	1.00		
HC113A1AAA	113A	10/12/2000	SOIL GRID	0.00	0.25		
HC113A1BAA	113A	10/12/2000	SOIL GRID	0.25	0.50		
HC113A1CAA	113A	10/12/2000	SOIL GRID	0.50	1.00		
HC113B1AAA	113B	10/12/2000	SOIL GRID	0.00	0.25		
HC113B1BAA	113B	10/12/2000	SOIL GRID	0.25	0.50		
HC113B1CAA	113B	10/12/2000	SOIL GRID	0.50	1.00		
HC115A1AAA	115A	10/12/2000	SOIL GRID	0.00	0.25		
HC115A1BAA	115A	10/12/2000	SOIL GRID	0.25	0.50		
HC115A1CAA	115A	10/12/2000	SOIL GRID	0.50	1.00		
HC115B1AAA	115B	10/13/2000	SOIL GRID	0.00	0.25		
HC115B1BAA	115B	10/13/2000	SOIL GRID	0.25	0.50		
HC115B1CAA	115B	10/13/2000	SOIL GRID	0.50	1.00		
HC115B1CAD	115B	10/13/2000	SOIL GRID	0.50	1.00		
HC117A1AAA	117A	10/13/2000	SOIL GRID	0.00	0.25		
HC117A1BAA	117A	10/13/2000	SOIL GRID	0.25	0.50		
HC117A1BAD	117A	10/13/2000	SOIL GRID	0.25	0.50		
HC117A1CAA	117A	10/13/2000	SOIL GRID	0.50	1.00		
HC117B1AAA	117B	10/13/2000	SOIL GRID	0.00	0.25		
HC117B1BAA	117B	10/13/2000	SOIL GRID	0.25	0.50		
HC117B1CAA	117B	10/13/2000	SOIL GRID	0.50	1.00		
HD112A1AAA	112A	10/10/2000	SOIL GRID	0.00	0.25		
HD112A1BAA	112A	10/10/2000	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
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
10/8/2000-10/14/2000

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD112A1CAA	112A	10/10/2000	SOIL GRID	0.50	1.00		
HD112A3AAA	112A	10/10/2000	SOIL GRID	0.00	0.25		
HD112A3BAA	112A	10/10/2000	SOIL GRID	0.25	0.50		
HD112A3CAA	112A	10/10/2000	SOIL GRID	0.50	1.00		
HD112A5AAA	112A	10/10/2000	SOIL GRID	0.00	0.25		
HD112A5BAA	112A	10/10/2000	SOIL GRID	0.25	0.50		
HD112A5CAA	112A	10/10/2000	SOIL GRID	0.50	1.00		
HD112A7AAA	112A	10/10/2000	SOIL GRID	0.00	0.25		
HD112A7BAA	112A	10/10/2000	SOIL GRID	0.25	0.50		
HD112A7CAA	112A	10/10/2000	SOIL GRID	0.50	1.00		
HD112B1AAA	112B	10/10/2000	SOIL GRID	0.00	0.25		
HD112B1AAD	112B	10/10/2000	SOIL GRID	0.00	0.25		
HD112B1BAA	112B	10/10/2000	SOIL GRID	0.25	0.50		
HD112B1CAA	112B	10/10/2000	SOIL GRID	0.50	1.00		
HD112B3AAA	112B	10/10/2000	SOIL GRID	0.00	0.25		
HD112B3BAA	112B	10/10/2000	SOIL GRID	0.25	0.50		
HD112B3BAD	112B	10/10/2000	SOIL GRID	0.25	0.50		
HD112B3CAA	112B	10/10/2000	SOIL GRID	0.50	1.00		
HD112B5AAA	112B	10/10/2000	SOIL GRID	0.00	0.25		
HD112B5BAA	112B	10/10/2000	SOIL GRID	0.25	0.50		
HD112B5CAA	112B	10/10/2000	SOIL GRID	0.50	1.00		
HD112B5CAD	112B	10/10/2000	SOIL GRID	0.50	1.00		
HD112B7AAA	112B	10/10/2000	SOIL GRID	0.00	0.25		
HD112B7BAA	112B	10/10/2000	SOIL GRID	0.25	0.50		
HD112B7CAA	112B	10/10/2000	SOIL GRID	0.50	1.00		
HD113A1AAA	113A	10/12/2000	SOIL GRID	0.00	0.25		
HD113A1AAD	113A	10/12/2000	SOIL GRID	0.00	0.25		
HD113A1BAA	113A	10/12/2000	SOIL GRID	0.25	0.50		
HD113A1CAA	113A	10/12/2000	SOIL GRID	0.50	1.00		
HD113A3AAA	113A	10/12/2000	SOIL GRID	0.00	0.25		
HD113A3BAA	113A	10/12/2000	SOIL GRID	0.25	0.50		
HD113A3BAD	113A	10/12/2000	SOIL GRID	0.25	0.50		
HD113A3CAA	113A	10/12/2000	SOIL GRID	0.50	1.00		
HD113A5AAA	113A	10/12/2000	SOIL GRID	0.00	0.25		
HD113A5BAA	113A	10/12/2000	SOIL GRID	0.25	0.50		
HD113A5CAA	113A	10/12/2000	SOIL GRID	0.50	1.00		
HD113A5CAD	113A	10/12/2000	SOIL GRID	0.50	1.00		
HD113A7AAA	113A	10/12/2000	SOIL GRID	0.00	0.25		
HD113A7BAA	113A	10/12/2000	SOIL GRID	0.25	0.50		
HD113A7CAA	113A	10/12/2000	SOIL GRID	0.50	1.00		
HD113B1AAA	113B	10/12/2000	SOIL GRID	0.00	0.25		
HD113B1BAA	113B	10/12/2000	SOIL GRID	0.25	0.50		
HD113B1CAA	113B	10/12/2000	SOIL GRID	0.50	1.00		
HD113B3AAA	113B	10/12/2000	SOIL GRID	0.00	0.25		

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TABLE 2
SAMPLING PROGRESS
10/8/2000-10/14/2000

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD113B3BAA	113B	10/12/2000	SOIL GRID	0.25	0.50		
HD113B3CAA	113B	10/12/2000	SOIL GRID	0.50	1.00		
HD113B5AAA	113B	10/12/2000	SOIL GRID	0.00	0.25		
HD113B5BAA	113B	10/12/2000	SOIL GRID	0.25	0.50		
HD113B5CAA	113B	10/12/2000	SOIL GRID	0.50	1.00		
HD113B7AAA	113B	10/12/2000	SOIL GRID	0.00	0.25		
HD113B7BAA	113B	10/12/2000	SOIL GRID	0.25	0.50		
HD113B7CAA	113B	10/12/2000	SOIL GRID	0.50	1.00		
HD115A1AAA	115A	10/12/2000	SOIL GRID	0.00	0.25		
HD115A1AAD	115A	10/12/2000	SOIL GRID	0.00	0.25		
HD115A1BAA	115A	10/12/2000	SOIL GRID	0.25	0.50		
HD115A1CAA	115A	10/12/2000	SOIL GRID	0.50	1.00		
HD115A3AAA	115A	10/12/2000	SOIL GRID	0.00	0.25		
HD115A3BAA	115A	10/12/2000	SOIL GRID	0.25	0.50		
HD115A3BAD	115A	10/12/2000	SOIL GRID	0.25	0.50		
HD115A3CAA	115A	10/12/2000	SOIL GRID	0.50	1.00		
HD115A5AAA	115A	10/12/2000	SOIL GRID	0.00	0.25		
HD115A5BAA	115A	10/12/2000	SOIL GRID	0.25	0.50		
HD115A5CAA	115A	10/12/2000	SOIL GRID	0.50	1.00		
HD115A5CAD	115A	10/12/2000	SOIL GRID	0.50	1.00		
HD115A7AAA	115A	10/12/2000	SOIL GRID	0.00	0.25		
HD115A7BAA	115A	10/12/2000	SOIL GRID	0.25	0.50		
HD115A7CAA	115A	10/12/2000	SOIL GRID	0.50	1.00		
HD115B1AAA	115B	10/13/2000	SOIL GRID	0.00	0.25		
HD115B1BAA	115B	10/13/2000	SOIL GRID	0.25	0.50		
HD115B1CAA	115B	10/13/2000	SOIL GRID	0.50	1.00		
HD115B3AAA	115B	10/13/2000	SOIL GRID	0.00	0.25		
HD115B3BAA	115B	10/13/2000	SOIL GRID	0.25	0.50		
HD115B3CAA	115B	10/13/2000	SOIL GRID	0.50	1.00		
HD115B5AAA	115B	10/13/2000	SOIL GRID	0.00	0.25		
HD115B5BAA	115B	10/13/2000	SOIL GRID	0.25	0.50		
HD115B5CAA	115B	10/13/2000	SOIL GRID	0.50	1.00		
HD115B7AAA	115B	10/13/2000	SOIL GRID	0.00	0.25		
HD115B7BAA	115B	10/13/2000	SOIL GRID	0.25	0.50		
HD115B7CAA	115B	10/13/2000	SOIL GRID	0.50	1.00		
HD117A1AAA	117A	10/13/2000	SOIL GRID	0.00	0.25		
HD117A1AAD	117A	10/13/2000	SOIL GRID	0.00	0.25		
HD117A1BAA	117A	10/13/2000	SOIL GRID	0.25	0.50		
HD117A1CAA	117A	10/13/2000	SOIL GRID	0.50	1.00		
HD117A3AAA	117A	10/13/2000	SOIL GRID	0.00	0.25		
HD117A3BAA	117A	10/13/2000	SOIL GRID	0.25	0.50		
HD117A3BAD	117A	10/13/2000	SOIL GRID	0.25	0.50		
HD117A3CAA	117A	10/13/2000	SOIL GRID	0.50	1.00		
HD117A5AAA	117A	10/13/2000	SOIL GRID	0.00	0.25		

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TABLE 2
SAMPLING PROGRESS
10/8/2000-10/14/2000

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD117A5BAA	117A	10/13/2000	SOIL GRID	0.25	0.50		
HD117A5CAA	117A	10/13/2000	SOIL GRID	0.50	1.00		
HD117A7AAA	117A	10/13/2000	SOIL GRID	0.00	0.25		
HD117A7BAA	117A	10/13/2000	SOIL GRID	0.25	0.50		
HD117A7CAA	117A	10/13/2000	SOIL GRID	0.50	1.00		
HD117B1AAA	117B	10/13/2000	SOIL GRID	0.00	0.25		
HD117B1BAA	117B	10/13/2000	SOIL GRID	0.25	0.50		
HD117B1CAA	117B	10/13/2000	SOIL GRID	0.50	1.00		
HD117B1CAD	117B	10/13/2000	SOIL GRID	0.50	1.00		
HD117B3AAA	117B	10/13/2000	SOIL GRID	0.00	0.25		
HD117B3BAA	117B	10/13/2000	SOIL GRID	0.25	0.50		
HD117B3CAA	117B	10/13/2000	SOIL GRID	0.50	1.00		
HD117B5AAA	117B	10/13/2000	SOIL GRID	0.00	0.25		
HD117B5BAA	117B	10/13/2000	SOIL GRID	0.25	0.50		
HD117B5CAA	117B	10/13/2000	SOIL GRID	0.50	1.00		
HD117B5CAD	117B	10/13/2000	SOIL GRID	0.50	1.00		
HD117B7AAA	117B	10/13/2000	SOIL GRID	0.00	0.25		
HD117B7BAA	117B	10/13/2000	SOIL GRID	0.25	0.50		
HD117B7CAA	117B	10/13/2000	SOIL GRID	0.50	1.00		
J1.A.2.00086.3.0	J1.A.2.00086.3.0	10/09/2000	SOIL GRID				
J1.A.2.00087.3.0	J1.A.2.00087.3.0	10/09/2000	SOIL GRID				
J1.A.2.00099.3.0	J1.A.2.00099.3.0	10/09/2000	SOIL GRID				
J1.B.2.00063.1.0	J1.B.2.00063.1.0	10/13/2000	SOIL GRID				
J1.B.2.00063.2.0	J1.B.2.00063.2.0	10/13/2000	SOIL GRID				

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 9/24/00-10/14/00

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G130DSE	FIELDQC	10/10/2000	FIELDQC	0.00	0.00			OC21V	ACETONE	
G130DXT	FIELDQC	10/10/2000	FIELDQC	0.00	0.00			OC21V	CARBON DISULFIDE	
G131DKE	FIELDQC	10/11/2000	FIELDQC	0.00	0.00			OC21V	ACETONE	
G131DTE	FIELDQC	10/12/2000	FIELDQC	0.00	0.00			OC21V	ACETONE	
G132DAE	FIELDQC	10/04/2000	FIELDQC	0.00	0.00			OC21V	ACETONE	
W100M1A	MW-100	10/02/2000	GROUNDWATER	179.00	189.00	44.10	54.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W100M1A	MW-100	10/02/2000	GROUNDWATER	179.00	189.00	44.10	54.10	8330N	OCTAHYDRO-1,3,5,7-TETRANITF	YES
W100M2A	MW-100	10/02/2000	GROUNDWATER	164.00	174.00	29.35	39.35	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W101M1A	MW-101	10/02/2000	GROUNDWATER	158.00	168.00	28.90	38.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W101SSA	MW-101	10/02/2000	GROUNDWATER	131.00	141.00	0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W112M1A	MW-112	09/26/2000	GROUNDWATER	195.00	205.00	54.35	64.35	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W112M2A	MW-112	09/26/2000	GROUNDWATER	165.00	175.00	24.20	34.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W90M1A	MW-90	10/11/2000	GROUNDWATER	145.00	155.00	24.70	34.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W90SSA	MW-90	10/11/2000	GROUNDWATER	118.00	128.00	0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W94M2A	MW-94	10/03/2000	GROUNDWATER	140.00	150.00	13.70	23.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W94M2A	MW-94	10/03/2000	GROUNDWATER	140.00	150.00	13.70	23.70	8330N	OCTAHYDRO-1,3,5,7-TETRANITF	YES
W94SSA	MW-94	10/04/2000	GROUNDWATER	124.00	134.00	0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W98M1A	MW-98	09/29/2000	GROUNDWATER	164.00	174.00	24.58	34.58	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W98SSA	MW-98	09/29/2000	GROUNDWATER	137.00	147.00	0.00	10.00	8330N	2-AMINO-4,6-DINITROTOLUENE	YES
W98SSA	MW-98	09/29/2000	GROUNDWATER	137.00	147.00	0.00	10.00	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
W99M1A	MW-99	09/29/2000	GROUNDWATER	195.00	205.00	59.20	69.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G130DSA	MW-130	10/10/2000	PROFILE	280.00	280.00	175.20	175.20	OC21V	ACETONE	
G130DTA	MW-130	10/10/2000	PROFILE	290.00	290.00	185.20	185.20	OC21V	ACETONE	
G130DTA	MW-130	10/10/2000	PROFILE	290.00	290.00	185.20	185.20	OC21V	CHLOROFORM	
G130DUA	MW-130	10/10/2000	PROFILE	300.00	300.00	195.20	195.20	OC21V	CHLOROFORM	
G130DVA	MW-130	10/10/2000	PROFILE	310.00	310.00	205.20	205.20	OC21V	CHLOROFORM	
G130DWA	MW-130	10/10/2000	PROFILE	320.00	320.00	215.20	215.20	OC21V	ACETONE	
G130DWA	MW-130	10/10/2000	PROFILE	320.00	320.00	215.20	215.20	OC21V	CHLOROFORM	
G130DWA	MW-130	10/10/2000	PROFILE	320.00	320.00	215.20	215.20	OC21V	METHYL ETHYL KETONE (2-BUT.	
G130DXA	MW-130	10/10/2000	PROFILE	330.00	330.00	225.20	225.20	OC21V	ACETONE	
G130DXA	MW-130	10/10/2000	PROFILE	330.00	330.00	225.20	225.20	OC21V	CHLOROFORM	
G130DXD	MW-130	10/10/2000	PROFILE	330.00	330.00	225.20	225.20	8330N	PENTAERYTHRITOL TETRANITR	NO
G130DXD	MW-130	10/10/2000	PROFILE	330.00	330.00	225.20	225.20	8330N	PICRIC ACID	NO

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 9/24/00-10/14/00

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G130DXD	MW-130	10/10/2000	PROFILE	330.00	330.00	225.20	225.20	OC21V	ACETONE	
G130DXD	MW-130	10/10/2000	PROFILE	330.00	330.00	225.20	225.20	OC21V	CHLOROFORM	
G130DXD	MW-130	10/10/2000	PROFILE	330.00	330.00	225.20	225.20	OC21V	METHYL ETHYL KETONE (2-BUT.	
G131DAA	MW-131	10/06/2000	PROFILE	100.00	100.00	3.00	3.00	8330N	2,6-DINITROTOLUENE	NO
G131DAA	MW-131	10/06/2000	PROFILE	100.00	100.00	3.00	3.00	OC21V	ACETONE	
G131DAA	MW-131	10/06/2000	PROFILE	100.00	100.00	3.00	3.00	OC21V	CHLOROFORM	
G131DAA	MW-131	10/06/2000	PROFILE	100.00	100.00	3.00	3.00	OC21V	METHYL ETHYL KETONE (2-BUT.	
G131DBA	MW-131	10/06/2000	PROFILE	110.00	110.00	13.00	13.00	OC21V	ACETONE	
G131DBA	MW-131	10/06/2000	PROFILE	110.00	110.00	13.00	13.00	OC21V	CHLOROFORM	
G131DCA	MW-131	10/10/2000	PROFILE	120.00	120.00	23.00	23.00	OC21V	ACETONE	
G131DCA	MW-131	10/10/2000	PROFILE	120.00	120.00	23.00	23.00	OC21V	CHLOROFORM	
G131DDA	MW-131	10/10/2000	PROFILE	130.00	130.00	33.00	33.00	OC21V	ACETONE	
G131DDD	MW-131	10/10/2000	PROFILE	130.00	130.00	33.00	33.00	OC21V	ACETONE	
G131DEA	MW-131	10/10/2000	PROFILE	140.00	140.00	43.00	43.00	OC21V	ACETONE	
G131DEA	MW-131	10/10/2000	PROFILE	140.00	140.00	43.00	43.00	OC21V	CHLOROFORM	
G131DGA	MW-131	10/10/2000	PROFILE	160.00	160.00	63.00	63.00	OC21V	CHLOROFORM	
G131DHA	MW-131	10/10/2000	PROFILE	170.00	170.00	73.00	73.00	OC21V	CHLOROFORM	
G131DIA	MW-131	10/10/2000	PROFILE	180.00	180.00	83.00	83.00	OC21V	ACETONE	
G131DKA	MW-131	10/11/2000	PROFILE	200.00	200.00	103.00	103.00	OC21V	ACETONE	
G131DKA	MW-131	10/11/2000	PROFILE	200.00	200.00	103.00	103.00	OC21V	CHLOROETHANE	
G131DKA	MW-131	10/11/2000	PROFILE	200.00	200.00	103.00	103.00	OC21V	ETHYLBENZENE	
G131DKA	MW-131	10/11/2000	PROFILE	200.00	200.00	103.00	103.00	OC21V	METHYL ETHYL KETONE (2-BUT.	
G131DKA	MW-131	10/11/2000	PROFILE	200.00	200.00	103.00	103.00	OC21V	METHYL ISOBUTYL KETONE (4-M	
G131DKA	MW-131	10/11/2000	PROFILE	200.00	200.00	103.00	103.00	OC21V	XYLENES, TOTAL	
G131DLA	MW-131	10/11/2000	PROFILE	210.00	210.00	113.00	113.00	8330N	2,6-DINITROTOLUENE	NO
G131DLA	MW-131	10/11/2000	PROFILE	210.00	210.00	113.00	113.00	8330N	NITROGLYCERIN	NO
G131DLA	MW-131	10/11/2000	PROFILE	210.00	210.00	113.00	113.00	OC21V	ACETONE	
G131DLA	MW-131	10/11/2000	PROFILE	210.00	210.00	113.00	113.00	OC21V	CHLOROETHANE	
G131DLA	MW-131	10/11/2000	PROFILE	210.00	210.00	113.00	113.00	OC21V	CHLOROFORM	
G131DLA	MW-131	10/11/2000	PROFILE	210.00	210.00	113.00	113.00	OC21V	ETHYLBENZENE	
G131DLA	MW-131	10/11/2000	PROFILE	210.00	210.00	113.00	113.00	OC21V	METHYL ETHYL KETONE (2-BUT.	
G131DLA	MW-131	10/11/2000	PROFILE	210.00	210.00	113.00	113.00	OC21V	METHYL ISOBUTYL KETONE (4-M	
G131DLA	MW-131	10/11/2000	PROFILE	210.00	210.00	113.00	113.00	OC21V	XYLENES, TOTAL	

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 9/24/00-10/14/00

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G131DMA	MW-131	10/11/2000	PROFILE	220.00	220.00	123.00	123.00	OC21V	ACETONE	
G131DMA	MW-131	10/11/2000	PROFILE	220.00	220.00	123.00	123.00	OC21V	CHLOROFORM	
G131DMA	MW-131	10/11/2000	PROFILE	220.00	220.00	123.00	123.00	OC21V	METHYL ISOBUTYL KETONE (4-M	
G131DNA	MW-131	10/11/2000	PROFILE	230.00	230.00	133.00	133.00	OC21V	CHLOROFORM	
G131DOA	MW-131	10/11/2000	PROFILE	240.00	240.00	143.00	143.00	OC21V	ACETONE	
G131DOA	MW-131	10/11/2000	PROFILE	240.00	240.00	143.00	143.00	OC21V	CHLOROFORM	
G131DPA	MW-131	10/11/2000	PROFILE	250.00	250.00	153.00	153.00	OC21V	CHLOROFORM	
G131DQA	MW-131	10/11/2000	PROFILE	260.00	260.00	163.00	163.00	OC21V	CHLOROFORM	
G131DRA	MW-131	10/11/2000	PROFILE	270.00	270.00	173.00	173.00	OC21V	ACETONE	
G131DRA	MW-131	10/11/2000	PROFILE	270.00	270.00	173.00	173.00	OC21V	CHLOROFORM	
G131DSA	MW-131	10/11/2000	PROFILE	280.00	280.00	183.00	183.00	OC21V	CHLOROFORM	
G131DTA	MW-131	10/12/2000	PROFILE	290.00	290.00	193.00	193.00	OC21V	ACETONE	
G131DTA	MW-131	10/12/2000	PROFILE	290.00	290.00	193.00	193.00	OC21V	CHLOROFORM	
G131DTA	MW-131	10/12/2000	PROFILE	290.00	290.00	193.00	193.00	OC21V	XYLENES, TOTAL	
G131DTD	MW-131	10/12/2000	PROFILE	290.00	290.00	193.00	193.00	OC21V	ACETONE	
G131DTD	MW-131	10/12/2000	PROFILE	290.00	290.00	193.00	193.00	OC21V	CHLOROFORM	
G131DUA	MW-131	10/12/2000	PROFILE	300.00	300.00	203.00	203.00	OC21V	CHLOROFORM	
G131DVA	MW-131	10/12/2000	PROFILE	310.00	310.00	213.00	213.00	OC21V	CHLOROFORM	
G131DWA	MW-131	10/12/2000	PROFILE	314.00	314.00	223.00	223.00	OC21V	CHLOROFORM	
G131DWA	MW-131	10/12/2000	PROFILE	314.00	314.00	223.00	223.00	OC21V	XYLENES, TOTAL	
G132DAA	MW-132	10/04/2000	PROFILE	50.00	50.00	10.90	10.90	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G132DAA	MW-132	10/04/2000	PROFILE	50.00	50.00	10.90	10.90	OC21V	ACETONE	
G132DAA	MW-132	10/04/2000	PROFILE	50.00	50.00	10.90	10.90	OC21V	METHYL ETHYL KETONE (2-BUT.	
G132DBA	MW-132	10/05/2000	PROFILE	60.00	60.00	20.90	20.90	OC21V	ACETONE	
G132DBA	MW-132	10/05/2000	PROFILE	60.00	60.00	20.90	20.90	OC21V	METHYL ETHYL KETONE (2-BUT.	
G132DBD	MW-132	10/05/2000	PROFILE	60.00	60.00	20.90	20.90	OC21V	ACETONE	
G132DBD	MW-132	10/05/2000	PROFILE	60.00	60.00	20.90	20.90	OC21V	METHYL ETHYL KETONE (2-BUT.	
G132DCA	MW-132	10/05/2000	PROFILE	70.00	70.00	30.90	30.90	OC21V	ACETONE	
G132DCA	MW-132	10/05/2000	PROFILE	70.00	70.00	30.90	30.90	OC21V	METHYL ETHYL KETONE (2-BUT.	
G132DDA	MW-132	10/05/2000	PROFILE	80.00	80.00	40.90	40.90	OC21V	CHLOROFORM	
G132DEA	MW-132	10/05/2000	PROFILE	90.00	90.00	50.90	50.90	OC21V	ACETONE	
G132DEA	MW-132	10/05/2000	PROFILE	90.00	90.00	50.90	50.90	OC21V	CHLOROFORM	
G132DED	MW-132	10/05/2000	PROFILE	90.00	90.00	50.90	50.90	OC21V	ACETONE	

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SAMPLES COLLECTED 9/24/00-10/14/00

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G132DED	MW-132	10/05/2000	PROFILE	90.00	90.00	50.90	50.90	OC21V	CHLOROFORM	
G132DFA	MW-132	10/05/2000	PROFILE	100.00	100.00	60.90	60.90	OC21V	ACETONE	
G132DFA	MW-132	10/05/2000	PROFILE	100.00	100.00	60.90	60.90	OC21V	CHLOROFORM	
G132DGA	MW-132	10/05/2000	PROFILE	110.00	110.00	70.90	70.90	OC21V	CHLOROFORM	
G132DHA	MW-132	10/05/2000	PROFILE	120.00	120.00	80.90	80.90	OC21V	CHLOROFORM	
G132DIA	MW-132	10/05/2000	PROFILE	130.00	130.00	90.90	90.90	OC21V	ACETONE	
G132DIA	MW-132	10/05/2000	PROFILE	130.00	130.00	90.90	90.90	OC21V	CHLOROFORM	
G132DIA	MW-132	10/05/2000	PROFILE	130.00	130.00	90.90	90.90	OC21V	METHYL ETHYL KETONE (2-BUT.	
G132DJA	MW-132	10/05/2000	PROFILE	140.00	140.00	100.90	100.90	OC21V	CHLOROFORM	
G132DKA	MW-132	10/05/2000	PROFILE	150.00	150.00	110.90	110.90	OC21V	ACETONE	
G132DKA	MW-132	10/05/2000	PROFILE	150.00	150.00	110.90	110.90	OC21V	CHLOROFORM	
G132DMA	MW-132	10/05/2000	PROFILE	170.00	170.00	130.90	130.90	OC21V	ACETONE	
G132DNA	MW-132	10/06/2000	PROFILE	180.00	180.00	140.90	140.90	OC21V	ACETONE	
G132DPA	MW-132	10/06/2000	PROFILE	200.00	200.00	160.90	160.90	8330N	NITROGLYCERIN	NO
G132DPA	MW-132	10/06/2000	PROFILE	200.00	200.00	160.90	160.90	OC21V	ACETONE	
G132DPA	MW-132	10/06/2000	PROFILE	200.00	200.00	160.90	160.90	OC21V	METHYL ETHYL KETONE (2-BUT.	
G132DQA	MW-132	10/06/2000	PROFILE	210.00	210.00	170.90	170.90	8330N	NITROGLYCERIN	NO
G132DQA	MW-132	10/06/2000	PROFILE	210.00	210.00	170.90	170.90	OC21V	ACETONE	
G132DQA	MW-132	10/06/2000	PROFILE	210.00	210.00	170.90	170.90	OC21V	CHLOROFORM	
G132DQA	MW-132	10/06/2000	PROFILE	210.00	210.00	170.90	170.90	OC21V	METHYL ETHYL KETONE (2-BUT.	
G132DRA	MW-132	10/06/2000	PROFILE	220.00	220.00	180.90	180.90	OC21V	ACETONE	
G132DRA	MW-132	10/06/2000	PROFILE	220.00	220.00	180.90	180.90	OC21V	CHLOROFORM	
G132DRA	MW-132	10/06/2000	PROFILE	220.00	220.00	180.90	180.90	OC21V	METHYL ETHYL KETONE (2-BUT.	
G132DSA	MW-132	10/11/2000	PROFILE	230.00	230.00	190.90	190.90	8330N	NITROGLYCERIN	NO
G132DSA	MW-132	10/11/2000	PROFILE	230.00	230.00	190.90	190.90	OC21V	1,2,4-TRICHLOROBENZENE	
G132DSA	MW-132	10/11/2000	PROFILE	230.00	230.00	190.90	190.90	OC21V	ACETONE	
G132DSA	MW-132	10/11/2000	PROFILE	230.00	230.00	190.90	190.90	OC21V	METHYL ETHYL KETONE (2-BUT.	
G132DTA	MW-132	10/11/2000	PROFILE	240.00	240.00	200.90	200.90	OC21V	ACETONE	

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Groundwater Wells at MMR

LEGEND

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

0 0.5 1 Miles

See Inset A

See Inset B

N

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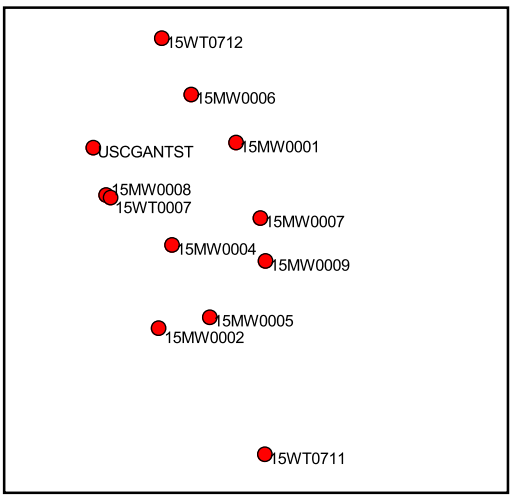
G:\MMR\rdx_response_maps_june_mtg.apr
October 9, 2000

Groundwater Wells at MMR - Insets



Inset A

0 100 200 Feet

N

Inset B

0 400 800 Feet

N

J3P-1
J1P-3
TEXTRONPW-1
90MW0029B
90LWA0007
90WT0006
MW-45
MW-30
LP-3
90WT0003
LP-4
90MW0013
90MW0051
90MW0021
90WT0019
90LWA0002
90WT0013
90WT0004
J3P-5
90WT0015
J3P-10
90MW0014
90LWA0003
J3P-4
J3P-7
90MW0061
LP-2
J3P-3
90MW0038
90MW0041
90MW0037
J3P-6
90MW0022
90MW0019
J3P-2
Greenway Rd
90MW0034
90MW0036
90MW0001
90MW0062
90MW0052
90WT0005
J3P-8
90MW0004
90MW0070
90MW0063
90MW0071
Greenway Rd By Pass
90MW0005
90MW0054
96GMW0058
90MW0035
90MW0072A
90MW0080
RS0007RACC
DP-6
96MP0059B
90MW0006
90MW0012
90MW0044
90PZ0211
90MW0009
90MW0018
90MW0060
Raccoon Ln
90PZ0209
90MW0033
90WT0010
RS0005RACC
RS0008RACC
90PZ0201
90PZ0203
90MW0010
SAPWSSMR1
90PZ0202
90PZ0204
90MW0020
90PZ0207
90PZ0205
ECPZSNP03B
90MW0059
90MW0024
RS0003RACC
90PZ0208
RS0039ARND
ECMWSNP02
90MW0000A
90MW0086A
RS0033ARND
90PZ01A01
90MW0025
ECPZSNP04B
90MW0027
90MW0026
ECMWSNP01
RS0040ARND
90MW0028
RS0034ARND
90MW0049
90MW0067
RS0024ARND
RS0036ARND
ECPZSNP01
90MW0042
90WT0008
ECMWSNP03
ECPZSNP05B
ECPZSNP01A
90MW0P05
90MW0P03
RS0015ARND
90MW0065
RS0018OSNK
ECPZSNP12
ECPZSNP09B
90MW0040
90MW0P02
90MW0079A
90MW0087A
Arnold Rd
ECPZSNP06D
90MW0050
90MW0P06
90MW0053
RS0003ARND
90MW0P06A
96MW0002
90MW0088A
RS0014ARND
90MW0082A
Old Snake Pond Rd
RS0010ARND
ECPZSNP02
90MW0077
RS0012OSNK
90MW0078
ECPZSNP17
90MW0047
90MW0068
RS0006OSNK
90MW0056
90MW0083
90MW0089A
21GMW0058
ECPZSNP13
90MW0057
90MW0085A
96MW0006A
RS0004OSNK
90MW0090A
RS0011OSNK
ECPZSNP16
RS0002OSNK
90MW0091A
96MW0012
ECPZSNP02B
To Sndwch. Gate
RS0021GRAC
96MW0020
ECPZWK01
ECPZSNP15
4261000-05G
Route 130

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October 9, 2000