WEEKLY PROGRESS UPDATE
FOR DECEMBER 3 – DECEMBER 7, 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 December 3 to December 7, 2001.

1. SUMMARY OF ACTIONS TAKEN

Drilling progress as of December 7 is summarized in Table 1.

Table 1. Drilling progress as of December 7, 2001

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-192	J-1 Range Well (J1P-14)	322	212	115-125, 135-145, 195-205
MW-193	J-3 Range Well (J3P-12)	85	53	
MW-194	J-3 Range Well (J3P-13)	60	3	
MW-195	J-3 Range Well (J3P-14)	40		
MW-196	J-3 Range Well (J3P-15)	140	107	
MW-197	J-3 Range Well (J3P-11)	125	105	
MW-198	J-3 Range Well (J3P-16)	105	85	
MW-199	Central Impact Area Well (CIAP-18)	324	190	

bgs = below ground surface
bwt = below water table

Completed well installation of MW-192 (J1P-14). Completed drilling of MW-192 (J1P-14), MW-193 (J3P-12), MW-196 (J3P-15), and MW-199 (CIAP-18). Continued drilling of MW-195 (J3P-14), and MW-197 (J3P-15). Commenced drilling of MW-198 (J3P-16). Well development continued for newly installed Demo 1 and J-2 Range wells.

Samples collected during the reporting period are summarized in Table 2. Groundwater profile samples were collected from MW-193, MW-198, and MW-199. Groundwater samples were collected as part of the December Long Term Groundwater Monitoring round, including from wells near Snake Pond. Water samples were collected from the influent and effluent of the PW-1 (Pump Test well) treatment unit for the mini pump test, from the FS-12 treatment system and from the GAC treatment system. Background soil samples were collected for herbicide analysis in Shawme-Crowell State Forest and Four Ponds Conservation Area. Soil samples were collected from soil cuttings at recently installed monitoring wells. Soil sampling for dye analysis was completed in the J-2 Range.

As part of the Munitions Survey Project, soil samples were collected from Transects 1 and 5 in the Central Impact Area. Post-detonation soil samples were collected from Transects 1, 3, and 5. Wipe and soil samples were collected from UXO in Transect 1.

The Guard, EPA, and MADEP had a meeting on December 6 to discuss technical issues, including the following:

Attendees

Ben Gregson (IAGWSPO)
Karen Wilson (IAGWSPO)
Jane Dolan (EPA)
Len Pinaud (MADEP)
Ed Wise (ACE)
Rob Foti (ACE)
Scott Veenstra (AMEC – phone)
Herbert Colby (AMEC - phone)
Raye Lahti (Tetra Tech)
Susan Stewart (Tetra Tech)
Don Walter (USGS)
CPT Bill Myer (IAGWSPO)
Bill Gallagher (IAGWSPO)
Mike Jasinski (EPA)
Mark Panni (MADEP)
Heather Sullivan (ACE)
John McPherson (ACE)
John Rice (AMEC - phone)
Leo Montroy (Tetra Tech)
Doug Lam (Tetra Tech)
Carla Buriks (Tetra Tech)
Adam Balogh (TRC - phone)
Tina Dolen (IAGWSPO)
Todd Borci (EPA)
Desiree Moyer (EPA)
Darrell Deleppo (ACE)
Gina Tyo (ACE)
Marc Grant (AMEC)
Kim Harriz (AMEC)
Larry Hudgins (Tetra Tech)
James Forrelli (Tetra Tech)
Dave Williams (MDPH)

Punchlist Items

#1 Verify Snake Pond wells (AFCEE). Verification possible in Winter-Spring 2002.
#2 Access 90PZ208 (Corps). Ray Cottengaim (ACE) sent property owner on 11/29, an additional certified letter indicating that this will be the Corps final contact attempt and that the Commonwealth will attempt contact, hereafter. No response received from property owner to date.
#7 Schedule site visits with Interviewee's 24 and 30 (Corps). Site visit set up with Witness #30, today 12/6; Site visit with #24 scheduled for next week.
#9 Provide Table of wells being sampled for Perchlorate (AMEC). Table provided prior to meeting. Recommendation letter for additional wells for perchlorate sampling will be provided 12/10. This letter will include recommendations for J1/J3/L Range downgradient wells for Perchlorate sampling for December 2001 round. Additional sampling recommendation/schedule to be included in Workplan submittal.
#13 Provide update on Mortar Target 9 post-excavation samples (Corps). Results will be available next week, possibly sooner. Todd Borci (EPA) reminded the Guard that PDA-confirmed results should be made available as received, should not be held for validation.
#14 Provide soil results from ASP (Corps). Results will be available Monday, 12/10. J-1 Vehicle Pull soil samples results are available and will be provided later today, 12/6.
#17 Provide copies of ASR appendices as requested (Corps). Provided earlier in week.
#18 Provide RCL to EPA & DEP comments on Demo 1 GW FS (AMEC). EPA to provide comment on task list provided by Guard on 12/10.
#19 Provide full list of AirMag picks (Corps). List will be included in AirMag Workplan. Corps will also pull table out of Workplan today 12/6, and provide to agencies.
#20 Provide input for MW-181 profile sample RAD analysis (EPA). Agenda item.
#21 Provide Snake Pond diffuser sample validation results (AMEC). Agenda item.
#22 Provide outstanding lab data (Corps). Tetra Tech provided a data status table. AMEC to check and verify status of all data. AMEC distributed table of outstanding BIP soil sampling results.

ASR Update

Gina Tyo (Corps) distributed packet of materials including monthly ASR update, Summary of Interview #9 site visit, Draft Advertisement copy for solicitating information on Camp Edwards.

- EPA and MADEP approved Ad copy, 1-inch Ad to be purchased for 6 weeks.

- An electronic copy of all interviews, interview summaries and list of interviewee's and specific areas of knowledge has been prepared.
- Six interviewee names remain on the original "to be" interviewed list. Ms. Tyo requested that the agencies review extra list of names (provided during interviews) and prioritize. Private investigator will be ready to set up interviews with individuals on the "second" list soon. Witness list prioritization to be added as an agenda item.
- Jane Dolan (EPA) requested that Ben Gregson (IAGWSPO) contact counsel regarding scheduling an interview with Witness #19. To be added as a punchlist item.

Munitions Survey Project Update

Rob Foti (Corps) provided an update on the MSP.

- HUTA1. Backfill approval from the agencies had been received via email. Backfilling will proceed as time permits.
- Mortar Target 9. Nurturing of vegetation complete.
- AirMag. Workplan to be submitted12/11.
- HUTA2. Transects 1 & 5 have been sampled. Intrusive investigation at Transect 1 has been started. Brush cutting commenced at Transect 3. Three 105mm projectile HEAT will be BIPed on Friday 12/7. These projectiles were uncovered in the Transect 3 access path.
- J Range Polygons. Investigation started on 12/5. Almost 3 polygons completed at J-1 Range. AMEC to start surface sampling next week. Jane Dolan requested that Marc Grant (AMEC) check to determine if AMEC personnel understand sampling requirements.
- Eastern MSP sites. Sites are being surveyed. Preparing ROAs for Karen Wilson's (IAGWSPO) approval. Also working with Ms. Wilson on J-Range polygon ROAs.
- BA-1 Disposal Site. Excavation of the anomaly 20 square feet by 6 feet deep is complete. List of findings distributed. No rad detections and no soil staining were observed in the excavation. 17 or 18 nearby anomalies were also investigated. These included scrap metal and one additional electronic component. Two, more distant, anomalies are also being looked at (1680 and 1462) 200m to the northwest and 100m to the southeast of the excavation, respectively. Anomaly 1680 coincided with surface scrap. A cable was found at Anomaly 1462.
- Jim Forrelli (Tetra Tech) reviewed items uncovered at the BA-1 disposal site. 34 items were uncovered. 2 were lots of multiple components. Items included: 36 electron tubes (these are the metal boxes mentioned last week), 12 magnetic assemblies, 2 batteries, 1 lamp-type tube assembly, 2 electronic components. 33 tubes were found to be BOMAC 1B58 manufactured by BOMAC in Beverly, MA. Company is now owned by (and called) Communication Power Industries. These components were part of a radar system and are still being manufactured. The components are not supposed to have liquid in them. Liquid in the one tube may be infiltrated rainwater. The tubes do have <1uCi radioactivity due to cobalt 60. Cobalt 60 has a half-life of 5.3 years. Since the components were probably manufactured in the 70's, this may be why radiation from the tubes was not detected by the radiation screening meters. Raytheon manufactured the magnet assemblies call Magnetrons. The Magnetrons are high power microwave oscillators used to generate microwaves. Raytheon indicated that they contain nothing hazardous. Tetra Tech continues to follow-up with outstanding items, including the one tube with the liquid substance as it is slightly different from the other tubes. Todd Borci questioned that the liquid was rainwater since it appeared to be oily. Inquiry has revealed that the tubes are exempt from NRC regulation, and are considered analogous to a domestic smoke detector. Additional markings are being searched for so that a date of manufacture might be identified in order to calculate the isotope decay. In the interim, the items have been stockpiled at the site, along with the excavation gravel.

Central Impact Area/HUTA2 Scoping

AMEC provided a map of MSP exclusion zones overlaid on a map of Central Impact Area proposed well sites.

- Heather Sullivan (ACE) indicated that approved Central Impact Area drilling locations were sufficient to keep contractors busy through the end of January.
- Todd Borci requested that proposed well numbers (i.e. CIAP-X) for each well be included with the numerical well number on the weekly email update.
- Mr. Borci also requested that CIAP-7 and CIAP-21 locations be reviewed, since they will likely require considerable road building to site. These wells were proposed to fill data gaps and need to be looked at so that they do not hold up the process later, in light of developments at the Demo Area 1.
- Mr. Borci reiterated that CIAP-16 should be placed on the particle track from MW-164. And that particle track should be double-checked. John Rice (AMEC) explained that different particle tracks plotted from MW-164 had been for different screen depths.
- Phone call set for 12/19 in morning to discuss Central Impact Area wells. Heather Sullivan to coordinate. No Tech meeting to be scheduled for 12/20 or 12/27.

Central Impact Area Pump Test

John Rice (AMEC) summarized the pump test activities.

- The mini-test was conducted yesterday 12/4. Everything went well except that the flow meter was broken. Samples were fedexed to laboratory.
- Heather Sullivan to coordinate results discussion on 12/12.
- Desiree Moyer (EPA) indicated that NPDES exclusion probably won't be required. Ms. Moyer to contact OSC representatives for their opinion, by the end of today 12/6.

Snake Pond Diffusion Sampling

- Ben Gregson (IAGWSPO) reported that the USGS indicated that the dialysis bags degraded, which is why most of the 22 samples were not analyzed for explosives.
- USGS proposed to put drive points in Snake Pond at 4 locations where confirmed detections of explosives were found, starting Tuesday. The southerly-most location would be too deep to access with a drive point.
- Jane Dolan requested that additional locations be placed around the spit, particularly at location 57. EPA approved the drive point installation and sampling, asking for more drive points/samples (extra day) if possible.
- Tina Dolen (IAGWSPO) to provide new release, neighborhood notice; draft to agencies on Friday 12/7.
- Mr. Gregson to request expedited letter report from USGS at the agencies' request.

MW-181 Profile Sample Analysis

- Heather Sullivan indicated that the original profile sample analyzed for gross alpha would be analyzed by Gamma Spectroscopy. This would be a qualitative test to identify the radioactive isotope. EPA approved the analysis.
- Two day TAT was requested. Results available on Monday, 12/10.

Miscellaneous

- EPA requested that Punchlist item be added for AMEC to provide a new revised schedule for the groundwater LTM based on new well/analysis requests.

- Todd Borci requested more information on the prescribed burn to be conducted at Camp Edwards, possibly in the vicinity of Pave Paws. Ben Gregson to request that Mike Ciaranca (MAARNG) provide a briefing at the 12/13 Tech meeting. Len Pinaud (MADEP) indicated that DEP has to approve a permit for the burn. Mr. Pinaud to coordinate with the Guard and EPA prior to issuing the permit.
- Mr. Borci requested a copy of the Military Features Report.
- Jane Dolan inquired about the scrap metal contractor. John MacPherson (ACE) indicated that the contractor is looking for a subcontractor for the disposition of scrap OE. An addendum is being prepared for the Scrap Workplan to specify details. Targets are scheduled to be pulled out on 1/7/02.
- Ms. Dolan indicated that Textron's drum removal at J-3 Range was scheduled for 12/17 and 12/18. The workplan for this removal had been provided earlier. Ms. Dolan requested that the Guard collect splits and complete a Rad survey during the drum removal. Textron also was planning to presample building interiors, septics/drywells at J-3 Range. A Workplan was being sent this week that described the sampling. Ms. Dolan also requested that splits be collected in conjunction with this sampling. Gina Tyo stressed that all contractors needed to coordinate fieldwork through the Corps.

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 from MW-01M2 (Central Impact Area), MW-91M1 (Central Impact Area), MW-93M2 (Central Impact Area), MW-100M1 (Central Impact Area), and MW-107M2 and duplicate (Central Impact Area) had detections of RDX and HMX that were confirmed by PDA spectra. The detections were similar to previous sampling rounds, except that HMX was not previously detected in MW-01M2.

- Groundwater samples from MW-27S (Central Impact Area), MW-38M3 and duplicate (Central Impact Area), MW-38M4 (Central Impact Area), MW-40M1 (Central Impact Area), MW-86M2 and MW-86S (Central Impact Area), MW-93M1 (Central Impact Area), MW-96M2 (Central Impact Area), MW-101M1 (Central Impact Area), MW-107M1 (Central Impact Area), and MW-112M2 (Central Impact Area) had detections of RDX that were confirmed by PDA spectra. The detections were similar to previous sampling rounds, except that RDX had not been detected in the last four sampling rounds in MW-38M4.

- Groundwater samples from MW-40S (Central Impact Area) had detections of TNT, 2A-DNT, and 4A-DNT that were confirmed by PDA spectra. The detections were similar to previous sampling rounds.

- Groundwater samples from MW-98S (Central Impact Area) had a detection of 4A-DNT that was confirmed by PDA spectra. The detection was similar to previous sampling rounds.

- Influent samples from the Mini Pump Test GAC treatment system had detections of perchlorate.

- Groundwater profile samples from MW-193 (J3P-12) had detections of RDX (1 interval), nitroglycerin (2 intervals), HMX (2 intervals), acetone (2 intervals), and toluene (1 interval). Detections of RDX and HMX were confirmed by PDA spectra.

- Groundwater profile samples from MW-197 (J3P-11) had detections of RDX (1 interval), HMX (1 interval), and chloroform (1 interval). The detections of explosives were confirmed by PDA spectra.

- Groundwater profile samples from MW-198 (J3P-16) had detections of nitroglycerin (4 intervals), chloroform (5 intervals), and chloromethane (1 interval). None of the nitroglycerin detections were confirmed by PDA spectra.

- Groundwater profile samples from MW-199 (CIAP-18) had detections of RDX (2 intervals), nitroglycerin (5 intervals), HMX (1 interval), 1,3,5-trinitrobenzene (1 interval), 1,3-dinitrobenzene (3 intervals), 2,4-DNT (5 intervals), 3-nitrotoluene (2 intervals), 4-nitrotoluene (2 intervals), and picric acid (5 intervals). The detection of HMX was confirmed by PDA spectra. One detection of RDX was not confirmed by PDA spectra but with interference.

3. DELIVERABLES SUBMITTED

Draft J-2 Range Additional Delineation Workplan #2	12/03/01
Weekly Progress Update, November 26 - November 30, 2001	12/07/01
November 2001 Monthly Progress Report	12/07/01

4. SCHEDULED ACTIONS

Continue Third Quarter 2001 Long Term Groundwater Monitoring. Commence soil sampling of polygons in J-1 and J-2 Ranges. Continue drilling of MW-193 (J3P-12), MW-194 (J3P-13), MW-195 (J3P-14), MW-196 (J3P-15), MW-197 (J3P-11), and MW-198 (J3P-16). Commence drilling of MW-200 (CIAP-8).

5. SUMMARY OF ACTIVITIES FOR DEMO 1

The Demo 1 Soil Report is being revised and will be submitted December 10. The next monitoring well (D1P-9) will be located approximately 600 feet west of Frank Perkins Road at the projected centerline of the plume. Additional monitoring well locations will be identified based on results of the first location. Responses to EPA comments on the Draft Feasibility Study for the Groundwater Operable Unit are being prepared.

TABLE 2
SAMPLING PROGRESS
12/1/2001-12/7/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
T1.B.0E.002.3.0	T1.0E.002.O	12/07/2001	CRATER GRID	0.50	0.75		
T1.B.0E.002.4.0	T1.0E.002.O	12/07/2001	CRATER GRID	1.00	1.50		
T1.B.0I.030.3.0	T1.0I.030.O	12/07/2001	CRATER GRID	0.50	0.75		
T1.B.0I.030.4.0	T1.0I.030.O	12/07/2001	CRATER GRID	1.00	1.50		
T1.B.0I.033.3.0	T1.0I.033.O	12/07/2001	CRATER GRID	0.75	1.25		
T1.B.0I.033.4.0	T1.0I.033.O	12/07/2001	CRATER GRID	1.75	2.25		
T3.A.AR.001.1.0	T3.AR.001.R	12/07/2001	CRATER GRID	0.50	0.75		
T3.A.AR.001.2.0	T3.AR.001.R	12/07/2001	CRATER GRID	0.50	0.75		
T3.A.AR.001.3.0	T3.AR.001.R	12/07/2001	CRATER GRID	0.50	0.75		
T3.A.AR.002.1.0	T3.AR.002.R	12/07/2001	CRATER GRID	0.50	0.75		
T3.A.AR.002.2.0	T3.AR.002.R	12/07/2001	CRATER GRID	0.50	0.75		
T3.A.AR.002.3.0	T3.AR.002.R	12/07/2001	CRATER GRID	0.50	0.75		
T3.A.AR.003.1.0	T3.AR.003.R	12/07/2001	CRATER GRID	0.17	0.67		
T3.A.AR.003.2.0	T3.AR.003.R	12/07/2001	CRATER GRID	0.17	0.67		
T3.A.AR.003.3.0	T3.AR.003.R	12/07/2001	CRATER GRID	0.17	0.67		
T5.B.0B.005.3.0	T5.0B.005.O	12/04/2001	CRATER GRID	0.50	0.75		
T5.B.0B.005.4.0	T5.0B.005.O	12/04/2001	CRATER GRID	1.00	1.50		
B41FAE	FIELDQC	12/07/2001	FIELDQC	0.00	0.00		
B42DAE	FIELDQC	12/06/2001	FIELDQC	0.00	0.00		
B42KBE	FIELDQC	12/05/2001	FIELDQC	0.00	0.00		
DS101A4AAE	FIELDQC	12/05/2001	FIELDQC	0.00	0.00		
G193DFT	FIELDQC	12/04/2001	FIELDQC	0.00	0.00		
G198DEE	FIELDQC	12/05/2001	FIELDQC	0.00	0.00		
G199DEE	FIELDQC	12/03/2001	FIELDQC	0.00	0.00		
G199DRE	FIELDQC	12/05/2001	FIELDQC	0.00	0.00		
HC101NA1AAE	FIELDQC	12/03/2001	FIELDQC	0.00	0.00		
HC101NA1AAE	FIELDQC	12/04/2001	FIELDQC	0.00	0.00		
HC101NA1AAF	FIELDQC	12/05/2001	FIELDQC	0.00	0.00		
SC17401E	FIELDQC	12/06/2001	FIELDQC	0.00	0.00		
SC18302E	FIELDQC	12/07/2001	FIELDQC	0.00	0.00		
W135M1F	FIELDQC	12/05/2001	FIELDQC	0.00	0.00		
W135M1T	FIELDQC	12/05/2001	FIELDQC	0.00	0.00		
W15M2T	FIELDQC	12/03/2001	FIELDQC	0.00	0.00		
W53DDT	FIELDQC	12/07/2001	FIELDQC	0.00	0.00		
W87M3T	FIELDQC	12/06/2001	FIELDQC	0.00	0.00		
T1.B.0E.002.2.0	T1.0E.002.O	12/07/2001	GAUZE WIPE	0.50	0.50		
T1.B.0I.030.2.0	T1.0I.030.O	12/07/2001	GAUZE WIPE	0.50	0.50		
T1.B.0I.033.2.0	T1.0I.033.O	12/07/2001	GAUZE WIPE	0.25	0.25		
T5.B.0B.005.2.0	T5.0B.005.O	12/04/2001	GAUZE WIPE	0.50	0.50		
90MW0034	90MW0034	12/07/2001	GROUNDWATER	94.00	99.00	28.57	33.57
90MW0041	90MW0041	12/06/2001	GROUNDWATER	125.00	130.00	31.50	36.50
W02SSA	MW-2	12/01/2001	GROUNDWATER	137.00	147.00	0.00	10.00
W03DDA	MW-03	12/01/2001	GROUNDWATER	262.00	267.00	219.00	224.00

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

TABLE 2
SAMPLING PROGRESS
12/1/2001-12/7/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W07DDA	MW-07	12/01/2001	GROUNDWATER	332.00	342.00	227.00	237.00
W07M1A	MW-07	12/03/2001	GROUNDWATER	240.00	245.00	135.00	140.00
W102M1A	MW-102	12/05/2001	GROUNDWATER	267.00	277.00	123.00	133.00
W102M2A	MW-102	12/06/2001	GROUNDWATER	137.00	147.00	93.00	103.00
W103M1A	MW-103	12/05/2001	GROUNDWATER	298.00	308.00	156.00	166.00
W103M1D	MW-103	12/05/2001	GROUNDWATER	298.00	308.00	156.00	166.00
W103M2A	MW-103	12/05/2001	GROUNDWATER	282.00	292.00	140.00	150.00
W108DDA	MW-108	12/06/2001	GROUNDWATER	317.00	327.00	153.00	163.00
W108M1A	MW-108	12/06/2001	GROUNDWATER	297.00	307.00	133.00	143.00
W108M2A	MW-108	12/06/2001	GROUNDWATER	282.00	292.00	118.00	128.00
W108M3A	MW-108	12/05/2001	GROUNDWATER	262.00	272.00	98.00	108.00
W108M4A	MW-108	12/05/2001	GROUNDWATER	240.00	250.00	76.00	86.00
W10DDA	MW-10	12/04/2001	GROUNDWATER	351.50	361.50	204.00	214.00
W110M1A	MW-110	12/05/2001	GROUNDWATER	315.50	325.50	142.00	152.00
W110M2A	MW-110	12/05/2001	GROUNDWATER	248.50	258.50	75.00	85.00
W110M3A	MW-110	12/05/2001	GROUNDWATER	220.50	230.50	47.00	57.00
W111M1A	MW-111	12/04/2001	GROUNDWATER	224.00	234.00	92.00	102.00
W111M2A	MW-111	12/04/2001	GROUNDWATER	182.00	192.00	50.00	60.00
W111M3A	MW-111	12/04/2001	GROUNDWATER	182.00	192.00	50.00	60.00
W113M1A	MW-113	12/01/2001	GROUNDWATER	240.00	250.00	98.00	108.00
W113M2A	MW-113	12/01/2001	GROUNDWATER	190.00	200.00	48.00	58.00
W123M1A	MW-123	12/06/2001	GROUNDWATER	291.00	301.00	153.00	163.00
W123M2A	MW-123	12/06/2001	GROUNDWATER	236.00	246.00	98.00	108.00
W124M1A	MW-124	12/06/2001	GROUNDWATER	234.00	244.00	98.00	108.00
W124M2A	MW-124	12/06/2001	GROUNDWATER	219.00	229.00	83.00	93.00
W126M1A	MW-126	12/03/2001	GROUNDWATER	118.00	128.00	19.00	29.00
W126SSA	MW-126	12/01/2001	GROUNDWATER	99.00	109.00	0.00	10.00
W135M1A	MW-135	12/05/2001	GROUNDWATER	319.00	329.00	133.00	143.00
W135M2A	MW-135	12/05/2001	GROUNDWATER	280.00	290.00	94.00	104.00
W135M3A	MW-135	12/04/2001	GROUNDWATER	239.00	249.00	53.00	63.00
W15M1A	MW-15	12/03/2001	GROUNDWATER	163.00	173.00	55.00	65.00
W15M2A	MW-15	12/03/2001	GROUNDWATER	144.00	154.00	36.00	46.00
W15M3A	MW-15	12/03/2001	GROUNDWATER	124.00	134.00	16.00	26.00
W23DDA	MW-23	12/07/2001	GROUNDWATER	272.00	282.00	149.00	159.00
W23M1A	MW-23	12/06/2001	GROUNDWATER	225.00	235.00	103.00	113.00
W23M2A	MW-23	12/06/2001	GROUNDWATER	189.00	194.00	67.00	72.00
W25SSA	MW-25	12/01/2001	GROUNDWATER	108.00	118.00	0.00	10.00
W37M1A	MW-37	12/01/2001	GROUNDWATER	181.00	191.00	62.00	72.00
W37M2A	MW-37	12/01/2001	GROUNDWATER	145.00	155.00	26.00	36.00
W37M3A	MW-37	12/01/2001	GROUNDWATER	130.00	140.00	11.00	21.00
W50DDA	MW-50	12/04/2001	GROUNDWATER	237.00	247.00	119.00	129.00
W50M1A	MW-50	12/04/2001	GROUNDWATER	207.00	217.00	89.00	99.00
W50M2A	MW-50	12/04/2001	GROUNDWATER	177.00	187.00	59.00	69.00
W50M3A	MW-50	12/04/2001	GROUNDWATER	147.00	157.00	29.00	39.00

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

TABLE 2
SAMPLING PROGRESS
12/1/2001-12/7/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W51M3A	MW-51	12/06/2001	GROUNDWATER	173.00	183.00	28.00	38.00
W52M3A	MW-52	12/07/2001	GROUNDWATER	210.00	215.00	59.00	64.00
W53DDA	MW-53	12/07/2001	GROUNDWATER	283.00	293.00	158.00	168.00
W53DDD	MW-53	12/07/2001	GROUNDWATER	283.00	293.00	158.00	168.00
W53M1A	MW-53	12/07/2001	GROUNDWATER	224.00	234.00	99.00	109.00
W54M1A	MW-54	12/07/2001	GROUNDWATER	230.00	240.00	79.00	89.00
W54M2A	MW-54	12/07/2001	GROUNDWATER	210.00	220.00	59.00	69.00
W72SSA	MW-72	12/06/2001	GROUNDWATER	106.00	116.00	0.00	10.00
W87M1A	MW-87	12/03/2001	GROUNDWATER	194.00	204.00	62.00	72.00
W87M2A	MW-87	12/07/2001	GROUNDWATER	169.00	179.00	37.00	47.00
W87M3A	MW-87	12/06/2001	GROUNDWATER	140.00	150.00	8.00	18.00
W87M3D	MW-87	12/06/2001	GROUNDWATER	140.00	150.00	8.00	18.00
W88M1A	MW-88	12/04/2001	GROUNDWATER	233.00	243.00	92.00	102.00
W88M2A	MW-88	12/04/2001	GROUNDWATER	213.00	223.00	72.00	82.00
W88M3A	MW-88	12/04/2001	GROUNDWATER	173.00	183.00	32.00	42.00
W89M1A	MW-89	12/04/2001	GROUNDWATER	234.00	244.00	92.00	102.00
W89M2A	MW-89	12/03/2001	GROUNDWATER	214.00	224.00	72.00	82.00
W89M3A	MW-89	12/01/2001	GROUNDWATER	174.00	184.00	32.00	42.00
W89M3D	MW-89	12/01/2001	GROUNDWATER	174.00	184.00	32.00	42.00
DW120401	GAC WATER	12/04/2001	IDW	0.00	0.00		
DW120701	GAC WATER	12/07/2001	IDW	0.00	0.00		
PW1MTEFF1A	GAC WATER	12/05/2001	IDW	0.00	0.00		
PW1MTEFF1B	GAC WATER	12/05/2001	IDW	0.00	0.00		
PW1MTEFF2A	GAC WATER	12/05/2001	IDW	0.00	0.00		
PW1MTEFF2B	GAC WATER	12/05/2001	IDW	0.00	0.00		
PW1MTINF1	GAC WATER	12/05/2001	IDW	0.00	0.00		
PW1MTINF2	GAC WATER	12/05/2001	IDW	0.00	0.00		
FS12TSEF	FS12TSEF	12/04/2001	PROCESS WATEF	0.00	0.00		
FS12TSIN	FS12TSIN	12/04/2001	PROCESS WATEF	0.00	0.00		
G193DAA	MW-193	12/03/2001	PROFILE	33.00	35.00	0.00	2.70
G193DBA	MW-193	12/03/2001	PROFILE	40.00	45.00	7.70	12.70
G193DBD	MW-193	12/03/2001	PROFILE	40.00	45.00	7.70	12.70
G193DCA	MW-193	12/03/2001	PROFILE	50.00	55.00	17.70	22.70
G193DDA	MW-193	12/03/2001	PROFILE	60.00	65.00	27.70	32.70
G193DEA	MW-193	12/04/2001	PROFILE	70.00	75.00	37.70	42.70
G193DFA	MW-193	12/04/2001	PROFILE	80.00	85.00	47.70	52.70
G198DAA	MW-198	12/04/2001	PROFILE	20.00	25.00	0.00	4.60
G198DBA	MW-198	12/04/2001	PROFILE	30.00	35.00	9.60	14.60
G198DBD	MW-198	12/04/2001	PROFILE	30.00	35.00	9.60	14.60
G198DCA	MW-198	12/05/2001	PROFILE	40.00	45.00	19.60	24.60
G198DDA	MW-198	12/05/2001	PROFILE	50.00	55.00	29.60	34.60
G198DFA	MW-198	12/05/2001	PROFILE	70.00	75.00	49.60	54.60
G198DGA	MW-198	12/05/2001	PROFILE	80.00	85.00	69.60	74.60
G198DGD	MW-198	12/05/2001	PROFILE	80.00	85.00	59.60	64.60

Profiling methods include: Volatiles and Explosives
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
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TABLE 2
SAMPLING PROGRESS
12/1/2001-12/7/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G198DHA	MW-198	12/05/2001	PROFILE	90.00	95.00	79.60	84.60
G198DIA	MW-198	12/05/2001	PROFILE	100.00	105.00	89.60	94.60
G198GEA	MW-198	12/05/2001	PROFILE	60.00	65.00	39.60	44.60
G199DEA	MW-199	12/03/2001	PROFILE	190.00	190.00	55.50	55.50
G199DFA	MW-199	12/03/2001	PROFILE	200.00	200.00	65.50	65.50
G199DGA	MW-199	12/03/2001	PROFILE	210.00	210.00	75.50	75.50
G199DHA	MW-199	12/03/2001	PROFILE	220.00	220.00	85.50	85.50
G199DIA	MW-199	12/03/2001	PROFILE	230.00	230.00	95.50	95.50
G199DJA	MW-199	12/03/2001	PROFILE	240.00	240.00	105.50	105.50
G199DKA	MW-199	12/03/2001	PROFILE	250.00	250.00	115.50	115.50
G199DLA	MW-199	12/03/2001	PROFILE	260.00	260.00	125.50	125.50
G199DMA	MW-199	12/03/2001	PROFILE	270.00	270.00	135.50	135.50
G199DNA	MW-199	12/03/2001	PROFILE	280.00	280.00	145.50	145.50
G199DOA	MW-199	12/03/2001	PROFILE	290.00	290.00	155.50	155.50
G199DOD	MW-199	12/03/2001	PROFILE	290.00	290.00	155.50	155.50
G199DRA	MW-199	12/05/2001	PROFILE	320.00	320.00	185.50	185.50
T1.B.0E.002.1.0	T1.0E.002.O	12/07/2001	SOIL BRUSHING	0.50	0.50		
T1.B.0I.030.1.0	T1.0I.030.O	12/07/2001	SOIL BRUSHING	0.50	0.50		
T1.B.0I.033.1.0	T1.0I.033.O	12/07/2001	SOIL BRUSHING	0.25	0.25		
T5.B.0B.005.1.0	T5.0B.005.O	12/04/2001	SOIL BRUSHING	0.50	0.50		
SC17201	IDW	12/06/2001	SOIL CUTTINGS	0.00	0.00		
SC17202	IDW	12/06/2001	SOIL CUTTINGS	0.00	0.00		
SC17301	IDW	12/06/2001	SOIL CUTTINGS	0.00	0.00		
SC17302	IDW	12/06/2001	SOIL CUTTINGS	0.00	0.00		
SC17401	IDW	12/06/2001	SOIL CUTTINGS	0.00	0.00		
SC17402	IDW	12/06/2001	SOIL CUTTINGS	0.00	0.00		
SC17501	IDW	12/06/2001	SOIL CUTTINGS	0.00	0.00		
SC17502	IDW	12/06/2001	SOIL CUTTINGS	0.00	0.00		
SC17601	IDW	12/07/2001	SOIL CUTTINGS	0.00	0.00		
SC17602	IDW	12/07/2001	SOIL CUTTINGS	0.00	0.00		
SC17701	IDW	12/07/2001	SOIL CUTTINGS	0.00	0.00		
SC17702	IDW	12/07/2001	SOIL CUTTINGS	0.00	0.00		
SC17801	IDW	12/07/2001	SOIL CUTTINGS	0.00	0.00		
SC17802	IDW	12/07/2001	SOIL CUTTINGS	0.00	0.00		
SC17802D	IDW	12/07/2001	SOIL CUTTINGS	0.00	0.00		
SC18201	IDW	12/07/2001	SOIL CUTTINGS	0.00	0.00		
SC18202	IDW	12/07/2001	SOIL CUTTINGS	0.00	0.00		
SC18301	IDW	12/07/2001	SOIL CUTTINGS	0.00	0.00		
SC18302	IDW	12/07/2001	SOIL CUTTINGS	0.00	0.00		
SC18601	IDW	12/06/2001	SOIL CUTTINGS	0.00	0.00		
SC18602	IDW	12/06/2001	SOIL CUTTINGS	0.00	0.00		
B41BAA	41B	12/07/2001	SOIL GRID	0.00	0.50		
B41BBA	41B	12/07/2001	SOIL GRID	1.50	2.00		
B41EAA	41E	12/07/2001	SOIL GRID	0.00	0.50		

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TABLE 2
SAMPLING PROGRESS
12/1/2001-12/7/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
B41EBA	41E	12/07/2001	SOIL GRID	1.50	2.00		
B41FAA	41F	12/07/2001	SOIL GRID	0.00	0.50		
B41FBA	41F	12/07/2001	SOIL GRID	1.50	2.00		
B42DAA	42D	12/06/2001	SOIL GRID	0.00	0.50		
B42DBA	42D	12/06/2001	SOIL GRID	1.50	2.00		
B42GAA	42G	12/06/2001	SOIL GRID	0.00	0.50		
B42GAD	42G	12/06/2001	SOIL GRID	0.00	0.50		
B42GBA	42G	12/06/2001	SOIL GRID	1.50	2.00		
B42IAA	42I	12/06/2001	SOIL GRID	0.00	0.50		
B42IBA	42I	12/06/2001	SOIL GRID	1.50	2.00		
B42JAA	42J	12/06/2001	SOIL GRID	0.00	0.50		
B42JBA	42J	12/06/2001	SOIL GRID	1.50	2.00		
B42KAA	42K	12/05/2001	SOIL GRID	0.00	0.50		
B42KBA	42K	12/05/2001	SOIL GRID	1.50	2.00		
DS101A1AAA	101A1	12/05/2001	SOIL GRID	0.00	0.50		
DS101A2AAA	101A2	12/05/2001	SOIL GRID	0.00	0.50		
DS101A3AAA	101A3	12/05/2001	SOIL GRID	0.00	0.50		
DS101A4AAA	101A4	12/05/2001	SOIL GRID	0.00	0.50		
HC101NA1AAA	101NA	12/04/2001	SOIL GRID	0.00	0.50		
HC101NB1AAA	101NB	12/04/2001	SOIL GRID	0.00	0.50		
HC101NC1AAA	101NC	12/04/2001	SOIL GRID	0.00	0.50		
HC101ND1AAA	101ND	12/03/2001	SOIL GRID	0.00	0.50		
HC101NE1AAA	101NE	12/04/2001	SOIL GRID	0.00	0.50		
HC101NF1AAA	101NF	12/03/2001	SOIL GRID	0.00	0.50		
HC101NF1BAA	101NF	12/03/2001	SOIL GRID	1.50	2.00		
HC101NG1AAA	101NG	12/04/2001	SOIL GRID	0.00	0.50		
HC101NH1AAA	101NH	12/03/2001	SOIL GRID	0.00	0.50		
HC101NH1BAA	101NH	12/03/2001	SOIL GRID	1.50	2.00		
HC101NH1BAD	101NH	12/03/2001	SOIL GRID	1.50	2.00		
HC101NI1AAA	101NI	12/04/2001	SOIL GRID	0.00	0.50		
HC101NJ1AAA	101NJ	12/03/2001	SOIL GRID	0.00	0.50		
HC101NK1AAA	101NK	12/03/2001	SOIL GRID	0.00	0.50		
HC101NK1AAD	101NK	12/03/2001	SOIL GRID	0.00	0.50		
HC101OC1AAA	101OC	12/03/2001	SOIL GRID	0.00	0.50		
HC101OC1AAD	101OC	12/03/2001	SOIL GRID	0.00	0.50		
HC101OG1AAA	101OG	12/03/2001	SOIL GRID	0.00	0.50		
HC101OI1AAA	101OI	12/03/2001	SOIL GRID	0.00	0.50		
HD101A5AAA	101A5	12/05/2001	SOIL GRID	0.00	0.50		
HD101A6AAA	101A6	12/05/2001	SOIL GRID	0.00	0.25		
T1.F.0A.HRZ.1.0	Transect 1 Grid A	12/03/2001	SOIL GRID	0.00	0.25		
T1.F.0A.HRZ.2.0	Transect 1 Grid A	12/03/2001	SOIL GRID	0.50	1.00		
T1.F.0H.HRZ.1.0	Transect 1 Grid H	12/03/2001	SOIL GRID	0.00	0.25		
T1.F.0H.HRZ.2.0	Transect 1 Grid H	12/03/2001	SOIL GRID	0.50	1.00		
T1.F.0M.LRZ.1.0	Transect 1 Grid M	12/03/2001	SOIL GRID	0.00	0.25		

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TABLE 2
SAMPLING PROGRESS
12/1/2001-12/7/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
T1.F.0N.HRZ.1.0	Transect 1 Grid N	12/03/2001	SOIL GRID	0.00	0.25		
T1.F.0N.HRZ.1.D	Transect 1 Grid N	12/03/2001	SOIL GRID	0.00	0.25		
T1.F.0N.HRZ.2.0	Transect 1 Grid N	12/03/2001	SOIL GRID	0.50	1.00		
T1.F.0O.HRZ.1.0	Transect 1 Grid O	12/03/2001	SOIL GRID	0.00	0.25		
T1.F.0O.HRZ.2.0	Transect 1 Grid O	12/03/2001	SOIL GRID	0.50	1.00		
T1.F.0P.LRZ.1.0	Transect 1 Grid P	12/03/2001	SOIL GRID	0.00	0.25		
T1.F.0Q.LRZ.1.0	Transect 1 Grid Q	12/03/2001	SOIL GRID	0.00	0.25		
T1.F.0R.LRZ.1.0	Transect 1 Grid R	12/03/2001	SOIL GRID	0.00	0.25		
T1.F.0S.LRZ.1.0	Transect 1 Grid S	12/03/2001	SOIL GRID	0.00	0.25		
T1.F.0T.LRZ.1.0	Transect 1 Grid T	12/03/2001	SOIL GRID	0.00	0.25		
T1.F.0U.HRZ.1.0	Transect 1 Grid U	12/03/2001	SOIL GRID	0.00	0.25		
T1.F.0U.HRZ.2.0	Transect 1 Grid U	12/03/2001	SOIL GRID	0.50	1.00		
T1.F.0V.LRZ.1.0	Transect 1 Grid V	12/03/2001	SOIL GRID	0.00	0.25		
T1.F.0W.LRZ.1.0	Transect 1 Grid W	12/03/2001	SOIL GRID	0.00	0.25		
T1.F.0X.LRZ.1.0	Transect 1 Grid X	12/03/2001	SOIL GRID	0.00	0.25		
T1.F.0Y.LRZ.1.0	Transect 1 Grid Y	12/03/2001	SOIL GRID	0.00	0.25		
T1.F.0Z.LRZ.1.0	Transect 1 Grid Z	12/03/2001	SOIL GRID	0.00	0.25		
T1.F.AA.LRZ.1.0	Transect 1 Grid AA	12/03/2001	SOIL GRID	0.00	0.25		
T1.F.BB.HRZ.1.0	Transect 1 Grid BB	12/03/2001	SOIL GRID	0.00	0.25		
T1.F.BB.HRZ.2.0	Transect 1 Grid BB	12/03/2001	SOIL GRID	0.50	1.00		
T5.F.KK.LRZ.1.0	Transect 5 Grid KK	12/03/2001	SOIL GRID	0.00	0.25		
T5.F.KK.LRZ.1.D	Transect 5 Grid KK	12/03/2001	SOIL GRID	0.00	0.25		

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 11/17/01-12/7/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
W01M2A	MW-01	11/30/2001	GROUNDWATER	160.00	165.00	44.00	49.00	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W01M2A	MW-01	11/30/2001	GROUNDWATER	160.00	165.00	44.00	49.00	8330NX	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W100M1A	MW-100	11/27/2001	GROUNDWATER	179.00	189.00	45.00	55.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W100M1A	MW-100	11/27/2001	GROUNDWATER	179.00	189.00	45.00	55.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W101M1A	MW-101	11/28/2001	GROUNDWATER	158.00	168.00	27.00	37.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W107M1A	MW-107	11/29/2001	GROUNDWATER	155.00	165.00	35.00	45.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W107M2A	MW-107	11/29/2001	GROUNDWATER	125.00	135.00	5.00	15.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W107M2A	MW-107	11/29/2001	GROUNDWATER	125.00	135.00	5.00	15.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W107M2D	MW-107	11/29/2001	GROUNDWATER	125.00	135.00	5.00	15.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W107M2D	MW-107	11/29/2001	GROUNDWATER	125.00	135.00	5.00	15.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W112M2A	MW-112	11/27/2001	GROUNDWATER	165.00	175.00	26.00	36.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W27SSA	MW-27	11/30/2001	GROUNDWATER	117.00	127.00	0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W38M3A	MW-38	11/29/2001	GROUNDWATER	170.00	180.00	52.00	62.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W38M3D	MW-38	11/29/2001	GROUNDWATER	170.00	180.00	52.00	62.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W38M4A	MW-38	11/29/2001	GROUNDWATER	132.00	142.00	14.00	24.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W40M1A	MW-40	11/29/2001	GROUNDWATER	132.50	142.50	13.00	23.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W40SSA	MW-40	11/30/2001	GROUNDWATER	115.50	125.50	0.00	10.00	8330N	2,4,6-TRINITROTOLUENE	YES
W40SSA	MW-40	11/30/2001	GROUNDWATER	115.50	125.50	0.00	10.00	8330N	2-AMINO-4,6-DINITROTOLUENE	YES
W40SSA	MW-40	11/30/2001	GROUNDWATER	115.50	125.50	0.00	10.00	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
W86M2A	MW-86	11/30/2001	GROUNDWATER	158.00	168.00	16.00	26.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W86SSA	MW-86	11/30/2001	GROUNDWATER	143.00	153.00	1.00	11.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W91M1A	MW-91	11/29/2001	GROUNDWATER	170.00	180.00	45.00	55.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W91M1A	MW-91	11/29/2001	GROUNDWATER	170.00	180.00	45.00	55.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W93M1A	MW-93	11/28/2001	GROUNDWATER	185.00	195.00	56.00	66.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W93M2A	MW-93	11/28/2001	GROUNDWATER	145.00	155.00	16.00	26.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W93M2A	MW-93	11/28/2001	GROUNDWATER	145.00	155.00	16.00	26.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W96M2A	MW-96	11/29/2001	GROUNDWATER	160.00	170.00	24.00	34.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W98SSA	MW-98	11/28/2001	GROUNDWATER	137.00	147.00	0.00	10.00	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
PW1MTINF1	GAC WATER	12/05/2001	IDW	0.00	0.00			E314.0	PERCHLORATE	
PW1MTINF2	GAC WATER	12/05/2001	IDW	0.00	0.00			E314.0	PERCHLORATE	
G193DAA	MW-193	12/03/2001	PROFILE	33.00	35.00	0.70	2.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G193DAA	MW-193	12/03/2001	PROFILE	33.00	35.00	0.70	2.70	8330N	NITROGLYCERIN	NO

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 11/17/01-12/7/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G193DAA	MW-193	12/03/2001	PROFILE	33.00	35.00	0.70	2.70	OC21V	ACETONE	
G193DAA	MW-193	12/03/2001	PROFILE	33.00	35.00	0.70	2.70	OC21V	TOLUENE	
G193DBA	MW-193	12/03/2001	PROFILE	40.00	45.00	7.70	12.70	OC21V	ACETONE	
G193DCA	MW-193	12/03/2001	PROFILE	50.00	55.00	17.70	22.70	8330N	NITROGLYCERIN	NO
G193DCA	MW-193	12/03/2001	PROFILE	50.00	55.00	17.70	22.70	8330N	OCTAHYDRO-1,3,5,7-TETRANITI	YES
G193DDA	MW-193	12/03/2001	PROFILE	60.00	65.00	27.70	32.70	8330N	OCTAHYDRO-1,3,5,7-TETRANITI	YES
G197DAA	MW-197	11/27/2001	PROFILE	20.00	25.00	0.00	4.60	OC21V	CHLOROFORM	
G197DKA	MW-197	11/29/2001	PROFILE	120.00	125.00	99.60	104.60	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
G197DKA	MW-197	11/29/2001	PROFILE	120.00	125.00	99.60	104.60	8330N	OCTAHYDRO-1,3,5,7-TETRANITI	YES
G198DAA	MW-198	12/04/2001	PROFILE	20.00	25.00	0.00	4.60	8330N	NITROGLYCERIN	NO
G198DAA	MW-198	12/04/2001	PROFILE	20.00	25.00	0.00	4.60	OC21V	CHLOROFORM	
G198DBA	MW-198	12/04/2001	PROFILE	30.00	35.00	9.60	14.60	8330N	NITROGLYCERIN	NO
G198DBA	MW-198	12/04/2001	PROFILE	30.00	35.00	9.60	14.60	OC21V	CHLOROFORM	
G198DBD	MW-198	12/04/2001	PROFILE	30.00	35.00	9.60	14.60	8330N	NITROGLYCERIN	NO
G198DBD	MW-198	12/04/2001	PROFILE	30.00	35.00	9.60	14.60	OC21V	CHLOROFORM	
G198DCA	MW-198	12/05/2001	PROFILE	40.00	45.00	19.60	24.60	OC21V	CHLOROFORM	
G198DCA	MW-198	12/05/2001	PROFILE	40.00	45.00	19.60	24.60	OC21V	CHLOROMETHANE	
G198DDA	MW-198	12/05/2001	PROFILE	50.00	55.00	29.60	34.60	8330N	NITROGLYCERIN	NO
G198DDA	MW-198	12/05/2001	PROFILE	50.00	55.00	29.60	34.60	OC21V	CHLOROFORM	
G198GEA	MW-198	12/05/2001	PROFILE	60.00	65.00	39.60	44.60	8330N	NITROGLYCERIN	NO
G198GEA	MW-198	12/05/2001	PROFILE	60.00	65.00	39.60	44.60	OC21V	CHLOROFORM	
G199DAA	MW-199	11/29/2001	PROFILE	150.00	150.00	15.50	15.50	8330N	1,3-DINITROBENZENE	NO
G199DAA	MW-199	11/29/2001	PROFILE	150.00	150.00	15.50	15.50	8330N	2,4-DINITROTOLUENE	NO
G199DAA	MW-199	11/29/2001	PROFILE	150.00	150.00	15.50	15.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO*
G199DAA	MW-199	11/29/2001	PROFILE	150.00	150.00	15.50	15.50	8330N	NITROGLYCERIN	NO
G199DAA	MW-199	11/29/2001	PROFILE	150.00	150.00	15.50	15.50	8330N	OCTAHYDRO-1,3,5,7-TETRANITI	YES
G199DAA	MW-199	11/29/2001	PROFILE	150.00	150.00	15.50	15.50	8330N	PICRIC ACID	NO
G199DBA	MW-199	11/30/2001	PROFILE	160.00	160.00	25.50	25.50	8330N	2,4-DINITROTOLUENE	NO
G199DBA	MW-199	11/30/2001	PROFILE	160.00	160.00	25.50	25.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO
G199DBA	MW-199	11/30/2001	PROFILE	160.00	160.00	25.50	25.50	8330N	NITROGLYCERIN	NO
G199DBA	MW-199	11/30/2001	PROFILE	160.00	160.00	25.50	25.50	8330N	PICRIC ACID	NO
G199DCA	MW-199	11/30/2001	PROFILE	170.00	170.00	35.50	35.50	8330N	2,4-DINITROTOLUENE	NO

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DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 11/17/01-12/7/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G199DCA	MW-199	11/30/2001	PROFILE	170.00	170.00	35.50	35.50	8330N	NITROGLYCERIN	NO
G199DCA	MW-199	11/30/2001	PROFILE	170.00	170.00	35.50	35.50	8330N	PICRIC ACID	NO
G199DCD	MW-199	11/30/2001	PROFILE	170.00	170.00	35.50	35.50	8330N	NITROGLYCERIN	NO
G199DCD	MW-199	11/30/2001	PROFILE	170.00	170.00	35.50	35.50	8330N	PICRIC ACID	NO
G199DDA	MW-199	11/30/2001	PROFILE	180.00	180.00	45.50	45.50	8330N	1,3,5-TRINITROBENZENE	NO
G199DDA	MW-199	11/30/2001	PROFILE	180.00	180.00	45.50	45.50	8330N	1,3-DINITROBENZENE	NO
G199DDA	MW-199	11/30/2001	PROFILE	180.00	180.00	45.50	45.50	8330N	2,4-DINITROTOLUENE	NO
G199DDA	MW-199	11/30/2001	PROFILE	180.00	180.00	45.50	45.50	8330N	3-NITROTOLUENE	NO
G199DDA	MW-199	11/30/2001	PROFILE	180.00	180.00	45.50	45.50	8330N	4-NITROTOLUENE	NO
G199DDA	MW-199	11/30/2001	PROFILE	180.00	180.00	45.50	45.50	8330N	NITROGLYCERIN	NO
G199DDA	MW-199	11/30/2001	PROFILE	180.00	180.00	45.50	45.50	8330N	PICRIC ACID	NO
G199DEA	MW-199	12/03/2001	PROFILE	190.00	190.00	55.50	55.50	8330N	1,3-DINITROBENZENE	NO
G199DEA	MW-199	12/03/2001	PROFILE	190.00	190.00	55.50	55.50	8330N	2,4-DINITROTOLUENE	NO
G199DEA	MW-199	12/03/2001	PROFILE	190.00	190.00	55.50	55.50	8330N	3-NITROTOLUENE	NO
G199DEA	MW-199	12/03/2001	PROFILE	190.00	190.00	55.50	55.50	8330N	4-NITROTOLUENE	NO
G199DEA	MW-199	12/03/2001	PROFILE	190.00	190.00	55.50	55.50	8330N	NITROGLYCERIN	NO
G199DEA	MW-199	12/03/2001	PROFILE	190.00	190.00	55.50	55.50	8330N	PICRIC ACID	NO

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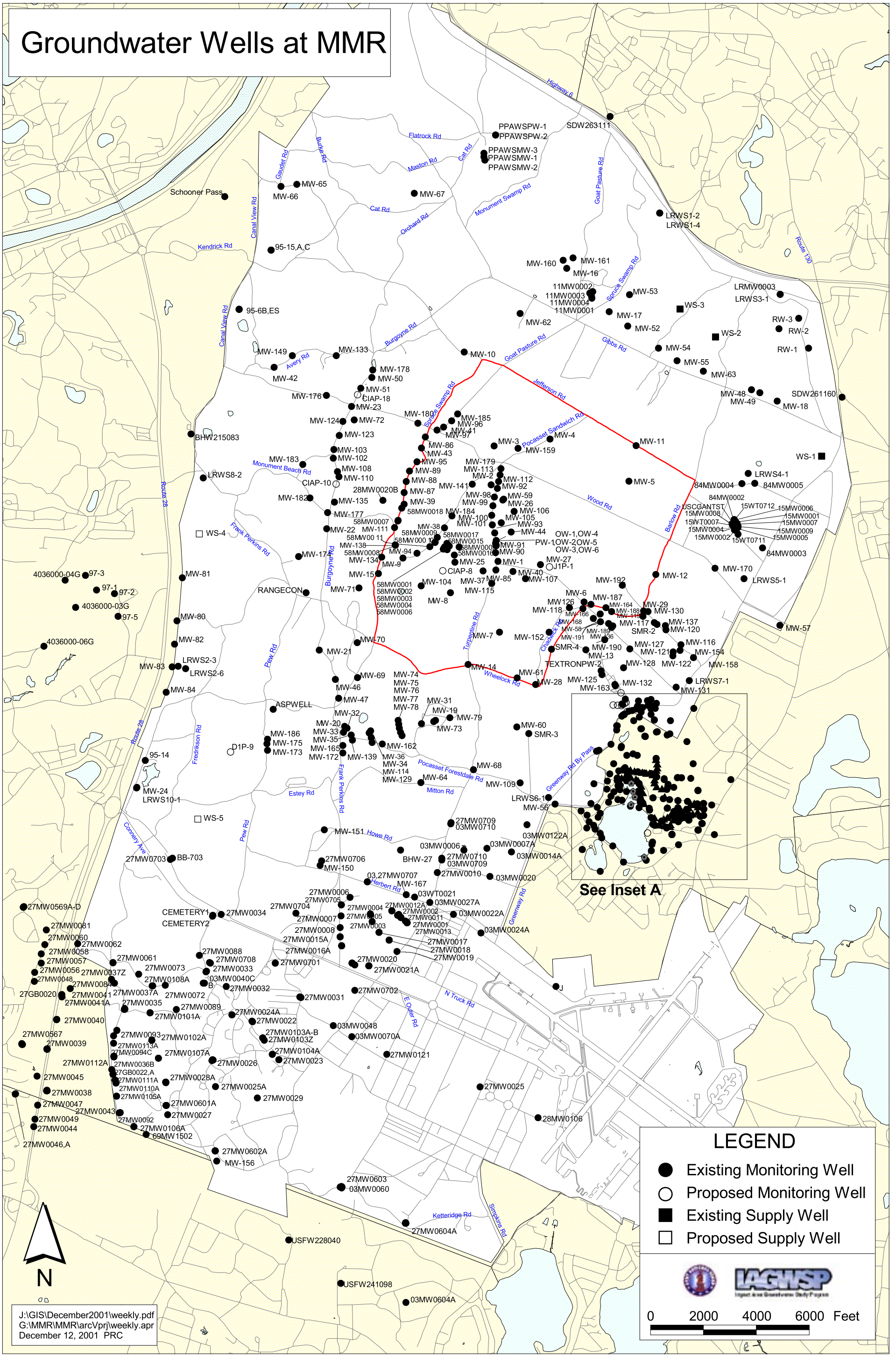
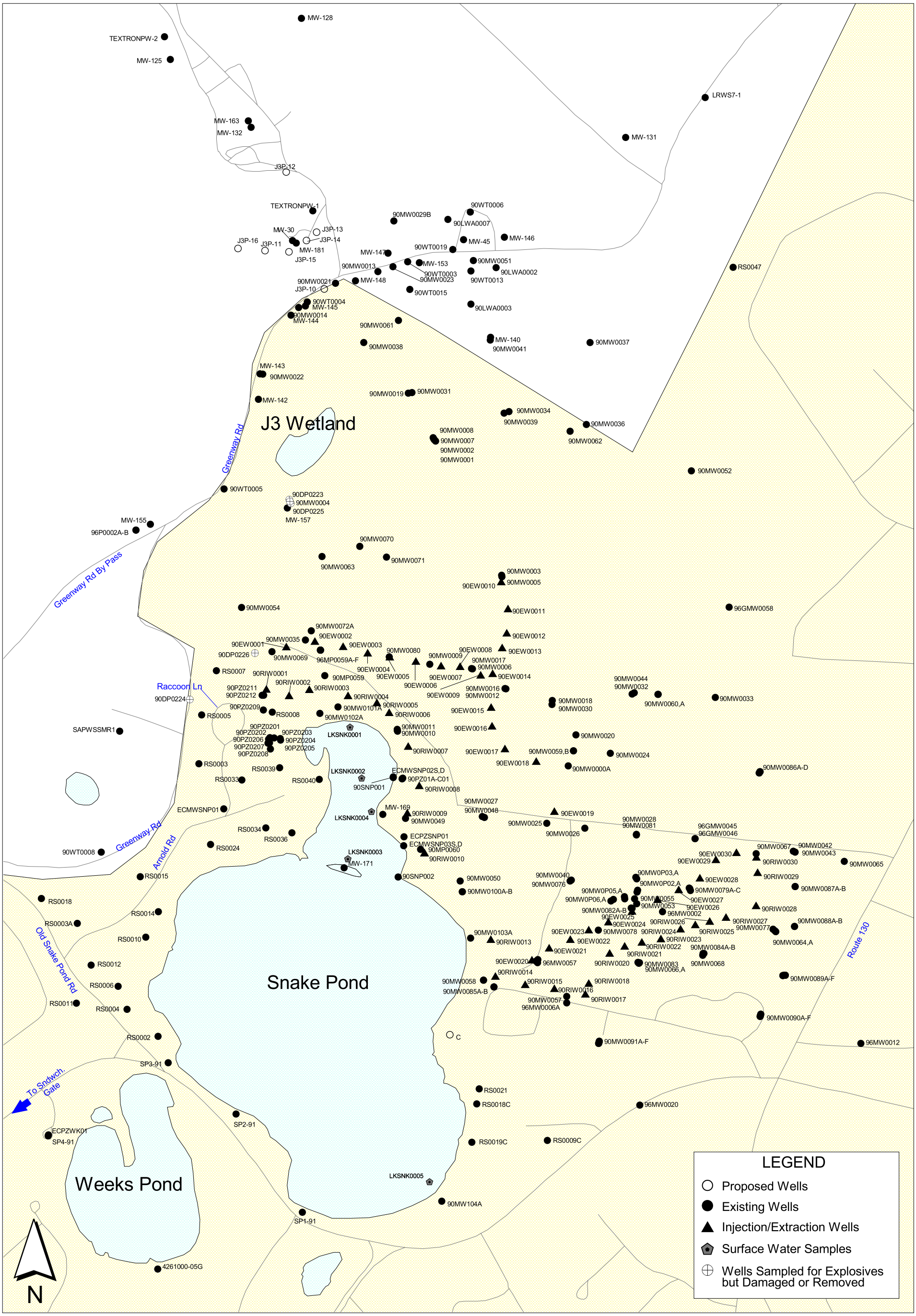
Groundwater Wells at MMR





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