WEEKLY PROGRESS UPDATE
FOR OCTOBER 15 – OCTOBER 19, 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 October 15 to October 19, 2001.

1. SUMMARY OF ACTIONS TAKEN

Drilling progress as of October 19 is summarized in Table 1.

Table 1. Drilling progress as of October 19, 2001

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-185	Central Impact Area Well (CIAP-2)	340	208	
B-30	J-2 Range Boring (J2P-11)	95	4	

Bgs = below ground surface
Bwt = below water table

Completed drilling of MW-185 (CIAP-2) and commenced well installation. Completed drilling boring B-30 (J-2P11); no well screens were installed at this location. Well development was continued for newly installed wells.

Samples collected during the reporting period are summarized in Table 2. Groundwater profile samples were collected from MW-185 (CIAP-2). Groundwater samples were collected as part of the August Long Term Groundwater Monitoring round. Soil samples were collected from grids on J-3 and L Ranges and from post-detonation craters in the Central Impact Area near PW-1 and at the Gravity Range. Soil Samples were also collected from a pit at the former J1P-14 well pad location.

The Guard, EPA, and MADEP had a meeting on October 18 to discuss technical issues, including the following:

Attendees

Ben Gregson (IAGWSPO)
COL Albert Bleakley (JPO)
Jane Dolan (EPA)
Jim Murphy (EPA)
Darrell Deleppo (ACE)
John McPherson (ACE)
Bill Gallagher (IAGWSPO)
LTC Bill FitzPatrick (MAARNG)
Mike Jasinski (EPA)
Len Pinaud (MADEP)
Gina Tyo (ACE)
Ellen Iorio (ACE)
Karen Wilson (IAGWSPO)
Todd Borci (EPA)
Desiree Moyer (EPA)
Mark Panni (MADEP)
Heather Sullivan (ACE)
Ed Wise (ACE)

Rob Foti (ACE)	Nick Iaiennaro (ACE)	Marc Grant (AMEC)
John Rice (AMEC)	Ben Rice (AMEC-phone)	Jay Clausen (AMEC-phone)
Scott Veenstra (AMEC–phone)	Herb Colby (AMEC)	Kim Harriz (AMEC)
Larry Hudgins (Tetra Tech)	Susan Stewart (Tetra Tech–phone)	Leo Montroy (Tetra Tech-phone)
Doug Lam (Tetra Tech)	Carla Buriks (Tetra Tech – phone)	Dave Williams (MDPH)
Adam Balogh (TRC)	Ken Gaynor (Jacobs)	

Punch List Items

2. Obtain access to 90PZ208 (Corps). Ray Cottengaim (ACE) is working with agencies to obtain access. Corps to provide name/address to Mike Jasinski (EPA) by end of day 10/18. Provide documentation of access requests to Mark Panni (MADEP). Agencies to pursue further contact.
6. Provide Comments on Dyes sampling scope (EPA). Bias grids (3 grids scoped) to locations in Demo Area 1 where flares were discovered (2 locations). Other grid can be placed on south-side of area for overall coverage. EPA comments to be documented in email.
8. Provide PLM Lab Data (AMEC). Raw data distributed. Interpreted results to be provided by next week.
10. Provide unvalidated results for Perchlorate at Schooner Pass well (AMEC). Results distributed. Non-detect for Perchlorate. EPA requested that explosive/perchlorate analysis of Schooner Pass well be added to the Long Term Monitoring program for December.
12. Provide BEHP/Chloroform maps (AMEC). Will be available next week.
13. Provide list showing profile result reversals during validation (AMEC). 2001-year reversals to be provided by next week. Remaining years to be provided shortly thereafter.
16. Provide validation schedule for Snake Pond Diffusion surface water samples (AMEC). Data was validated and provided to agencies. Recent set of diffusion samplers pulled from Snake Pond Wednesday 10/17.
17. Provide approval for HUTA1 Backfill (EPA). Will be provided next week.
20. Provide dyes toxicity information (AMEC). Reviewing/summarizing information from publications of DOD study. Will provide next week.
21. Provide schedule for J-2 Range Workplan (AMEC). Close to determining schedule for workplan/report. Looking at data that came in 10/17 from laboratory. Data to be forwarded to EPA by Monday 10/22.
22. Provide list of AirMag features being field investigated (Corps). List distributed at meeting to agencies. List included all information on AirMag anomalies visually inspected, as of 10/16/01. To be emailed to remaining interested parties.
23. Provide comments on size/coverage of monthly and IART maps (EPA). Comments to be provided by end of day 10/18.

MW-7/MW-80 Perchlorate Detections

- Marc Grant (AMEC) distributed a map showing forward and backward particle tracks from MW-7 and MW-80, which had recent detections of perchlorate. Particle tracks are based on 1993 average conditions. Forward particle tracks show a travel-time of 5 to 10 years until water at MW-80 reaches sentry wells in Bourne.
- Heather Sullivan (ACE) indicated that based on this information, Bourne wells (97 series) would be sampled for perchlorate.
- Todd Borci (EPA) asked that this item be added to next week's agenda to give him time to review screen depths of wells MW-70 and MW-152, which fall on or near particle tracks.

- Discussion ensued about a possible press release. Based on Len Pinaud's (MADEP) recommendation, the team decided to wait for Bourne well data to decide if a press release was necessary. For comparison, Mr. Pinaud stated that the IRP protocol is that a press release is issued if a detection above a health advisory level occurs in a public water supply well. Mr. Pinaud stated that it was appropriate to notify the IART at the next meeting.

J2P-11 Profile Data

- Herb Colby (AMEC) explained that Boring 30 (J2P-11), a proposed well location immediately downgradient of the J-2 Range Melt/Pour Building, was sampled at the water table. Data show that no explosives or perchlorate were detected in these profile samples, as shown on table provided. A second well (MW-122S) that was located within 100 feet of this location, but not directly downgradient of the building, also showed no detections. Mr. Colby recommended that a well not be set at this location.
- Jane Dolan (EPA) agreed that a well was not needed at this location.

CS-19 Update

- Ken Gaynor (Jacobs) indicated that Jacobs would be doing a presentation on the IRP vadose zone modeling approach at CS-19 using SESOIL and VLEACH at the IRP Tech meeting Wednesday 10/24 at 9 am. Interested parties are welcome to attend.
- Borings are being completed at CS-19 next week; profile samples will be analyzed for VOCs and explosives. Forward and backward particle tracks from any detections would be used to determine screen settings for up and downgradient wells.

J-Range Plume Maps

Herb Colby (AMEC) distributed new draft of J-Range plume maps (RDX, HMX, perchlorate) and memo explaining rationale for drawing plumes. The new maps incorporated the following changes:

  - Narrower discontinuous plumes limited by detections.
  - Extraction wells added, only those that intercepted particle tracks from detections for simplification.
  - Added groundwater contours.
  - Added text stating latest data only used for plume boundaries.

- Jane Dolan (EPA) asked that X-sections of plumes be provided by 10/25 to review in conjunction with the plan view maps.
- Mike Jasinski (EPA) pointed out that based on the tentative well schedule that showed J-Range proposed wells being installed in November and December, this data could not be used to further delineate plumes for presentation to the December IART.
- Ben Gregson (IAGWSPO) preferred that in the initial presentation, the plume maps be shown only as an overhead and not provided as a handout for the IART, similar to what had been done for the Central Impact Area plume map. Plume maps would become available for public distribution when they were published in the report.
- Mark Panni (MADEP) asked why the particle tracks were not perpendicular to the groundwater contours. Mr. Colby explained that the particle tracks are based on average conditions (1993 model) whereas groundwater contours are based on the most current water level data. The closer the particle tracks are to the top of the mound the greater the disparity between the particle tracks and the groundwater contours.
- COL Bleakley (JPO) pointed out that having the capture zone for the FS-12 extraction system on the maps was confusing, since the edge of the capture zone was not a vertical plane. This gives the impression that water would be captured at one location when it isn't actually, because although the surface or shallow groundwater is captured, the deeper groundwater at the same location may not be captured. Len Pinaud (MADEP) pointed out

that even if stream lines from particular wells weren't captured (such as those in vicinity of Snake Pond with RDX contamination) this doesn't mean that RDX containing water in the vicinity was not captured.

- Ben Gregson (IAGWSPO) indicated that he was in favor of removing the FS-12 capture zone. Mr. Pinaud (MADEP) indicated that there might be some use in depicting the zone.
- Ms. Dolan offered the following comments:
  - Add greater than 10 ppb contour for RDX detection at MW-164.
  - Did not like that the western HMX plume was split into northern and southern plumelets since the HMX plume should mirror the RDX plume.
  - Add greater than 10 ppb contour for perchlorate plume.
  - Draw RDX, HMX and perchlorate plumelet same length at MW-132.
  - More comments to be provided after reviewing cross-section depictions.
- In response to Ms. Dolan's inquiry as to why the western HMX plume was split into a north and south half, while RDX plume was left intact, Mr. Colby pointed out the there were no HMX detections in wells from the central part of the plume, although there were RDX detections. Mark Panni (MADEP) also stated that he preferred that the plume not be drawn in this area if there were no documented detections.
- Ben Gregson (IAGWSPO) pointed out that the perchlorate isoconcentration contour for non detect needed to be based on the reporting limit, regardless if that was greater or less than the EPA limit of 1.5 ppb. Todd Borci (EPA) agreed that that was a valid point, thought that the limit was 1.8 ppb, but has asked that it be lower, so will check on current limit.
- Dave Williams (MDPH) asked if the zones of contribution for the water supply wells intersect the northern plume on some level. Mr. Borci replied probably. Mr. Colby indicated that there was not enough information provided on the ZOCs three-dimensional shape to depict them in the cross-sections.
- Darrell Deleppo developed the following review/comment schedule for the J Range plume maps to allow them to be finalized by the December 4 IART meeting.
  - X-sections due 10/25
  - Final comments 11/8
  - Comment resolution 11/15
  - Hard copy for report, late Dec-early January

BOMARC HTRW Site Scoping

Ellen Iorio (ACE) provided a background document on potential wastes at the BOMARC site and preliminary scope of work for investigation of this anomaly.

- Nick Iaiennaro (ACE) indicated that currently he was still not certain if all hazards were adequately identified at the site. This concern was partially based on information received last week indicating that radioactive tubes may be part of the waste materials. Information was being requested from BOEING on the actual components, and at a minimum another week was needed to further evaluate the hazards. Mr. Iaiennaro indicated that he was particularly concerned about hazards posed by weapons systems, which the IRP had not encountered in their investigations. The anomaly was approximately 20 ft by 20 ft, but because of the presence of magnets, the magnetometers "rang off" from some distance away from the anomaly.
- Todd Borci (EPA) requested that instead of collecting six composite samples from the excavation base, that some of these samples be used for waste characterization. Ms. Iorio indicated that one composite sample from the base of the excavation was likely sufficient; the remaining five could be used for waste materials.
- Mr. Borci further requested that the schedule be expedited. Once Mr. Iaiennaro obtained necessary information (2 weeks time), the Workplan should be finalized. The background information and scope of work that were just distributed at the meeting were sufficient for his

review prior to seeing the draft workplan. Mr. Borci would provide comments by 10/23; no major comments were envisioned as a cursory review suggested that everything looked good. The background information and scope should be consolidated into one document to serve as the Workplan. Requested that draft Workplan be provided 11/01.

- Len Pinaud (MADEP) requested a location map for the anomaly to facilitate their review. Corps to provide.

Phase IIb Additional Workplan Delineation

- Len Pinaud (MADEP) indicated that MADEP has prepared comments on the draft Report. However, these comments will be reviewed in association with the revised draft Report received 10/18. Ben Rice (AMEC) indicated that comments on revised draft are due 11/8.
- Discussion ensued on how the Phase IIb Report and Phase IIb Supplemental Report (report of additional tasks and areas considered as Phase IIb areas) would be handled. The original intent was to finalize the Phase IIb Report as revised in early January and draft the Phase IIb Supplemental Report as a separate document. Bill Gallagher (IAGWSPO) indicated that he thought the agreement was that the revised draft Phase IIb would remain as a draft until the ongoing activities were completed, then all the information would be redrafted as a comprehensive Phase IIb Report. Todd Borci (EPA) reasoned that that would be too large of a report and suggested that the Report be split into a Phase IIb Report and Small Arms Ranges Report.
- Mr. Rice indicated that the reconnaissance visits for the additional sites would be scheduled on eight consecutive Wednesdays, beginning 10/31. Mr. Rice to draft schedule of site visits by 10/19. Other sites could be visited first, followed by Small Arms Ranges. Mr. Borci indicated that they might want to discuss Mock Village first. The schedule/attendees should be discussed at 10/25 Tech meeting.

Long Term Monitoring for VOCs

Todd Borci (EPA) provided a list of well screens that EPA was requesting to be sampled for VOCs in conjunction with the December sampling round. Once these results were received, further discussion should be conducted regarding future sampling status.
Mr. Borci requested that feedback on this list be provided by the 10/25 Tech meeting. And yes he understood that some of these screens would be sampled by AFCEE in the coming weeks, but he was still requesting that the Guard's contractors sample these screens. Approximately 30 well screens were selected. Wells such as Central Impact Area Response wells MW-91, MW-93, and MW-101 were selected because of perchlorate detections.

Draft Combined Schedule

Todd Borci (EPA) emailed a conditional approval on the Draft Combined schedule on 10/17. This schedule included 2½ pages of modifications. Issues (Phase IIb/Gun & Mortar) could be discussed next week so that a final schedule could be resolved by 10/30.

Demo 2/Former A Range EM61 Anomalies

Ellen Iorio (ACE) distributed an EM61 map of Demo 2 that showed only the signal strength above 45mv. An accompanying table listed all anomalies with coordinates and the anomalies that had been excavated. Four separate dig maps for Former A Range were also distributed. These maps showed the EM61 anomalies and Tetra Tech's recommendations for excavation.

- Ellen Iorio (ACE) pointed out that Tetra Tech/ACE/EPA reviewed procedures for selecting anomalies as picks on 10/15; it is based on more than just the signal strength. At Demo 2, a 45-mv signal strength was used as a threshold value.
- Todd Borci (EPA) indicated that this information would be reviewed; EPA will look at areas that they would have liked to have had validated but were not given the opportunity to

provide input. Mr. Borci preferred the maps provided at the 10/11 Tech meeting that used gray coloring to depict residual vegetative covering. Doug Lam (Tetra Tech) indicated that this information could be added to these maps.

- Mr. Lam reviewed EM61 anomaly maps of Former A Range. Four distinct grids (A-D) were surveyed at the range targets. Grid A is along the steep slope of one backstop. There has been some sloughing of material, maybe small frag toward the base. Grid B is the down slope of the backstop, near the railroad tracks. Increased signal intensity occurs near the tracks. Signal also likely represents a lot of small frag in the shallow subsurface. Grid C consists of square grids and paths through trees. This is the upper part of the second back slope, that is not as sloped as the A grid, so the same sloughing effect of small frag is not observed. Grid D is the lower portion of the second backstop, some washing effect (from runoff) is also observed in this grid. Again this is likely small frag.
- Mike Jasinski (EPA) requested a list and location/depth of emplaced (inert 2.5 inch rockets) items.
- Mr. Lam indicated that caches of rockets (two groups) were discovered in the roadway cleared for target access.
- EPA reviewed anomaly maps for each grid. For Grid D, EPA requested that trench proposed to validate anomalies 68/67 be extended south toward next magnetic anomaly.
- For Area C, Mr. Jasinski asked why anomaly 59 was selected but not larger and stronger signal anomalies south and east of anomaly 59. Mr. Lam indicated that anomaly 59 had longer decay rate, more "staying power".
- For Area B, Mr. Lam pointed out that there was a lot of surface scrap that may be masking the area. Tetra Tech was proposing to trench in the polygon area.
- For Area A, Mr. Jasinski pointed out that some proposed work was trenches while other work wasn't. Mr. Lam indicated that anomaly 59 was a broad signal and it was difficult to select specific points in such a "noisy" area. Mr. Borci requested that trench at anomaly 99 be extended or that a point of validation be added in the broader area around anomalies 59/99 into road, since the large anomaly was indicated in road. Mr. Lam indicated that shallow trenches could be extended 5 meters on either side of both anomalies.
- Mr. Borci further requested that during validation, careful notes be taken regarding frag.

N Range Mortar Discovery

- Nick Iaiennaro (ACE) notified the Tech team that a 81mm mortar cache had just been discovered 20 feet south of N Range firing line, coincident with AirMag anomalies 32886/32862. So far, 8 partially exposed mortars were uncovered. One was visibly marked as an M73 dummy and the fuze was exposed.
- Engineering controls were being reviewed because of the proximity of the cache to areas of public access, such as partitioning off the area with sand filled roll-off containers. Tina Dolen (IAGWSPO) was making the appropriate official notifications.
- COL Bleakley (JPO) asked if a different process could be utilized to determine if the rounds were inert, to avoid excessive precautions and associated activities. Mr. Iaiennaro indicated that purchase of a field portable Small Parcel Explosive Detection System (SP-EDS) unit using Thermal Neutron Analysis technology was being considered. But regardless, the rounds still would need to be excavated and the appropriate protocols followed.
- Jane Dolan (EPA) indicated that no more validation should proceed prior to workplan submittal/approval. AMEC should be included in comment review. Mr. Borci indicated that surface soil samples need to be collected prior to initiating excavation.
- Anomaly verification (non intrusive) was approved to be continued.
- EPA requested that the anomaly validation protocol be discussed at the 10/25 Tech meeting.

Miscellaneous

- Jane Dolan (EPA) requested that the Guard's attorney contact Textron's attorney to arrange the interview with Witness 19.
- Todd Borci (EPA) indicated that comments on the advertisement copy (soliciting information on Camp Edwards) for submission to military magazines were provided late last night via email. Ms. Dolan asked why the 448-character restriction was specified. Carla Buriks (Tetra Tech) indicated that the 448-character restriction was due to the price of a 1-inch ad. Corps to fax advertisement price schedule to EPA.
- Ms. Dolan requested a copy of the USGS groundwater age-dating proposal, as requested previously.
- Ms. Dolan requested that Ben Gregson (IAGWSPO) draft a written request to COL Bleakley at the Joint Program Office to provide a water supply update at the 10/25 Tech meeting. COL Bleakley had earlier requested a written request from EPA based on Ms. Dolan's request.
- Mr. Borci noted that his base pass expires on 10/31 and asked how he would get another pass.
- Demo 1 Soil Scoping Meeting was set for Tuesday 10/23 at 1 pm.
- Ms. Dolan requested an update on the number of sampling rounds per parameter for J Range area wells.
- Ellen Iorio (ACE) indicated that the MSP2 scopes of work and HUTA2 concept and statement of work had been sent to the agencies. Ms. Iorio asked if it was OK to start on the required record of actions. Mike Jasinski (EPA) indicated that work for the Gun and Mortar sites should be held since EPA would like to see additional trails surveyed. Mr. Borci indicated that 4 of 5 sites in the HUTA2 scope were OK, but wanted to check on exact location of the 5 corners site. Ms. Iorio indicated that the Corps will notify agencies when clearing and grubbing activities commence in these areas, but will assume approval to proceed unless they hear otherwise.
- Marc Grant (AMEC) requested a date for the resolution meeting on Central Impact Area GW PSI Workplan. Mr. Jasinski indicated that a meeting wasn't needed. Only comment was a clarification to Comment Response 3 regarding adequacy of groundwater treatment. This could be discussed following Demo 1 scoping meeting on 10/23.
- Ms. Dolan asked about the status of copies of the NRC files (Archive Search Report Deliverable) that were to be provided in conjunction on 10/15.

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:

- A groundwater sample from 90MW0034 (FS-12) had a detection of nitroglycerin that was not confirmed by PDA. This compound has never been a valid detection in 90MW0034.

- Groundwater samples from MW-90S (Central Impact Area), MW-157M2 (J-3 Range) and MW-161S (Demo Area 2) had detections of RDX that were confirmed by PDA spectra. The detections of RDX were similar to the previous sampling rounds.

- Groundwater samples form MW-91 (Central Impact Area) had detections of 2A-DNT, 4A-DNT, RDX, and HMX that were confirmed by PDA spectra. The detections were similar to previous sampling rounds.

- Groundwater profile samples from MW-185 (Central Impact Area) had detections of 1,3,5-trinitrobenzene (6 intervals), 1,3-dinitrobenzene (8 intervals), 2,4-DANT (2 intervals), 2,4-DNT (8 intervals), 2,6-DNT (1 interval), 2-nitrotoluene (3 intervals), 3-nitrotoluene (1 interval), 4-nitrotoluene (4 intervals), nitrobenzene (4 intervals), nitroglycerin (9 intervals), PETN (1 interval), and picric acid (5 intervals). One detection of 1,3,5-trinitrobenzene and one detection of 2,4-DANT were confirmed by PDA spectra. Three detections of nitrobenzene were confirmed by PDA spectra but with interference.

3. DELIVERABLES SUBMITTED

Revised Draft Phase II (b) Report (Technical Memo 01-15)	10/17/01
Weekly Progress Update, October 8 – October 12, 2001	10/19/01

4. SCHEDULED ACTIONS

Scheduled actions for the week of October 22 include well installation of MW-185 (CIAP-2), commence drilling the Central Impact area Pump Test well (PW-1) and observation wells; and commence drilling of Demo 1 well D1P-8. Soil samples will be collected from L Range and H Range grids. Groundwater sampling will continue for the August LTM round and from wells in Bourne. Excavation of UXO detonation craters will continue.

5. SUMMARY OF ACTIVITIES FOR DEMO 1

An additional downgradient well location (D1P-8) on Pew Road will be drilled next week. The Demo 1 Soil Report is being revised and will be submitted in November. Additional monitoring wells are being scoped to define the downgradient edge of the groundwater plume.

TABLE 2
SAMPLING PROGRESS
10/13/2001-10/19/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HDA10160101AA	A10160101	10/19/2001	CRATER GRAB	0.00	0.25		
HDA10170101AA	A10170101	10/18/2001	CRATER GRAB	0.00	0.25		
HDA10170101AA	A10170101	10/19/2001	CRATER GRAB	0.00	0.25		
HDA10170101AD	A10170101	10/19/2001	CRATER GRAB	0.00	0.25		
GTR.A.2.00029.1.0	GTR.2.00029.R	10/19/2001	CRATER GRID	0.25	0.50		
GTR.A.2.00029.2.0	GTR.2.00029.R	10/19/2001	CRATER GRID	0.25	0.50		
0.G.0.00122.0.T	TRIP BLANK 122	10/19/2001	FIELDQC	0.00	0.00		
G185DTE	FIELDQC	10/15/2001	FIELDQC	0.00	0.00		
G185DUE	FIELDQC	10/16/2001	FIELDQC	0.00	0.00		
HC102PA1DAE	FIELDQC	10/16/2001	FIELDQC	0.00	0.00		
HC102VC1DAE	FIELDQC	10/15/2001	FIELDQC	0.00	0.00		
HC102VC1DAT	FIELDQC	10/16/2001	FIELDQC	0.00	0.00		
HC103BFA1BAE	FIELDQC	10/19/2001	FIELDQC	0.00	0.00		
HD103BCA1AAE	FIELDQC	10/18/2001	FIELDQC	0.00	0.00		
HD103BD5DAE	FIELDQC	10/17/2001	FIELDQC	0.00	0.00		
W143M1T	FIELDQC	10/17/2001	FIELDQC	0.00	0.00		
W144SST	FIELDQC	10/18/2001	FIELDQC	0.00	0.00		
W145M1T	FIELDQC	10/19/2001	FIELDQC	0.00	0.00		
W158M1T	FIELDQC	10/15/2001	FIELDQC	0.00	0.00		
W142M1A	MW-142	10/17/2001	GROUNDWATER	225.00	235.00	180.96	190.96
W142M2A	MW-142	10/17/2001	GROUNDWATER	140.00	150.00	95.90	105.90
W142SSA	MW-142	10/17/2001	GROUNDWATER	42.00	52.00	0.00	10.00
W143M1A	MW-143	10/17/2001	GROUNDWATER	144.00	154.00	110.60	120.60
W143M1D	MW-143	10/17/2001	GROUNDWATER	144.00	154.00	110.60	120.60
W143M2A	MW-143	10/17/2001	GROUNDWATER	117.00	122.00	83.60	88.60
W143M3A	MW-143	10/17/2001	GROUNDWATER	107.00	112.00	73.60	78.60
W144M1A	MW-144	10/18/2001	GROUNDWATER	189.00	193.00	164.25	168.25
W144M2A	MW-144	10/18/2001	GROUNDWATER	130.00	140.00	105.25	115.25
W144SSA	MW-144	10/17/2001	GROUNDWATER	26.00	36.00	1.20	10.20
W145M1A	MW-145	10/19/2001	GROUNDWATER	125.00	135.00	93.90	103.90
W145M1D	MW-145	10/19/2001	GROUNDWATER	125.00	135.00	93.90	103.90
W145SSA	MW-145	10/18/2001	GROUNDWATER	30.00	40.00	0.00	10.00
W146M1A	MW-146	10/19/2001	GROUNDWATER	166.00	171.00	71.30	76.30
W146SSA	MW-146	10/19/2001	GROUNDWATER	92.00	102.00	0.00	10.00
W148M1A	MW-148	10/18/2001	GROUNDWATER	90.00	100.00	25.90	35.90
W148SSA	MW-148	10/18/2001	GROUNDWATER	61.00	71.00	0.00	10.00
W152M1A	MW-152	10/16/2001	GROUNDWATER	250.00	260.00	144.00	154.00
W152M2A	MW-152	10/16/2001	GROUNDWATER	154.00	164.00	48.00	58.00
W153M2A	MW-153	10/19/2001	GROUNDWATER	144.00	154.00	50.20	60.20
W155M1A	MW-155	10/18/2001	GROUNDWATER	124.00	134.00	96.00	106.00
W155M2A	MW-155	10/18/2001	GROUNDWATER	45.00	55.00	16.90	26.90
W158M1A	MW-148	10/15/2001	GROUNDWATER	176.50	186.50	89.00	89.00
W158M1A	MW-158	10/15/2001	GROUNDWATER	176.50	186.50	89.00	89.00

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
10/13/2001-10/19/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G185DQA	MW-185	10/15/2001	PROFILE	300.00	300.00	168.00	168.00
G185DQD	MW-185	10/15/2001	PROFILE	300.00	300.00	168.00	168.00
G185DRA	MW-185	10/15/2001	PROFILE	310.00	310.00	178.00	178.00
G185DSA	MW-185	10/15/2001	PROFILE	320.00	320.00	188.00	188.00
G185DTA	MW-185	10/15/2001	PROFILE	330.00	330.00	198.00	198.00
G185DUA	MW-185	10/16/2001	PROFILE	340.00	340.00	208.00	208.00
HCJ1P14DS1A	J1P-14	10/15/2001	SOIL GRAB	0.25	0.50		
HCJ1P14DS2A	J1P-14	10/15/2001	SOIL GRAB	0.25	0.50		
HC102DA1DAA	102DA	10/15/2001	SOIL GRID	1.50	2.00		
HC102DB1AAA	102DB	10/15/2001	SOIL GRID	0.00	0.25		
HC102DB1BAA	102DB	10/15/2001	SOIL GRID	0.25	0.50		
HC102DB1CAA	102DB	10/15/2001	SOIL GRID	0.50	1.00		
HC102DB1DAA	102DB	10/15/2001	SOIL GRID	1.50	2.00		
HC102DC1AAA	102DC	10/16/2001	SOIL GRID	0.00	0.25		
HC102DC1BAA	102DC	10/16/2001	SOIL GRID	0.25	0.50		
HC102DC1CAA	102DC	10/16/2001	SOIL GRID	0.50	1.00		
HC102DC1DAA	102DC	10/16/2001	SOIL GRID	1.50	2.00		
HC102EB1DAA	102EB	10/16/2001	SOIL GRID	1.50	2.00		
HC102ED1AAA	102ED	10/16/2001	SOIL GRID	0.00	0.25		
HC102ED1BAA	102ED	10/16/2001	SOIL GRID	0.25	0.50		
HC102ED1CAA	102ED	10/16/2001	SOIL GRID	0.50	1.00		
HC102ED1DAA	102ED	10/16/2001	SOIL GRID	1.50	2.00		
HC102EE1AAA	102EE	10/16/2001	SOIL GRID	0.00	0.25		
HC102EE1BAA	102EE	10/16/2001	SOIL GRID	0.25	0.50		
HC102EE1CAA	102EE	10/16/2001	SOIL GRID	0.50	1.00		
HC102EE1DAA	102EE	10/16/2001	SOIL GRID	1.50	2.00		
HC102PA1DAA	102PA	10/16/2001	SOIL GRID	1.50	2.00		
HC102VB1CAA	102VB	10/16/2001	SOIL GRID	0.50	1.00		
HC102VC1AAA	102VC	10/15/2001	SOIL GRID	0.00	0.25		
HC102VC1BAA	102VC	10/15/2001	SOIL GRID	0.25	0.50		
HC102VC1CAA	102VC	10/15/2001	SOIL GRID	0.50	1.00		
HC102VC1DAA	102VC	10/15/2001	SOIL GRID	1.50	2.00		
HC102VD1CAA	102VD	10/16/2001	SOIL GRID	0.50	1.00		
HC102VF1AAA	102VF	10/15/2001	SOIL GRID	0.00	0.25		
HC102VF1BAA	102VF	10/15/2001	SOIL GRID	0.25	0.50		
HC102VF1CAA	102VF	10/15/2001	SOIL GRID	0.50	1.00		
HC102VF1DAA	102VF	10/15/2001	SOIL GRID	1.50	2.00		
HC102VI1AAA	102VI	10/15/2001	SOIL GRID	0.00	0.25		
HC102VI1BAA	102VI	10/15/2001	SOIL GRID	0.25	0.50		
HC102VI1CAA	102VI	10/15/2001	SOIL GRID	0.50	1.00		
HC102VI1DAA	102VI	10/15/2001	SOIL GRID	1.50	2.00		
HC102VI1DAD	102VI	10/15/2001	SOIL GRID	1.50	2.00		
HC103BB1DAA	103BB	10/17/2001	SOIL GRID	1.50	2.00		
HC103BB1DAD	103BB	10/17/2001	SOIL GRID	1.50	2.00		

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

TABLE 2
SAMPLING PROGRESS
10/13/2001-10/19/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC103BBA1AAA	103BBA	10/17/2001	SOIL GRID	0.00	0.25		
HC103BBA1BAA	103BBA	10/17/2001	SOIL GRID	0.25	0.50		
HC103BBA1CAA	103BBA	10/17/2001	SOIL GRID	0.50	1.00		
HC103BBA1DAA	103BBA	10/17/2001	SOIL GRID	1.50	2.00		
HC103BC1DAA	103BC	10/17/2001	SOIL GRID	1.50	2.00		
HC103BCA1AAA	103BCA	10/18/2001	SOIL GRID	0.00	0.25		
HC103BCA1BAA	103BCA	10/18/2001	SOIL GRID	0.25	0.50		
HC103BCA1CAA	103BCA	10/18/2001	SOIL GRID	0.50	1.00		
HC103BCA1DAA	103BCA	10/18/2001	SOIL GRID	1.50	2.00		
HC103BD1DAA	103BD	10/17/2001	SOIL GRID	1.50	2.00		
HC103BDA1AAA	103BDA	10/18/2001	SOIL GRID	0.00	0.25		
HC103BDA1BAA	103BDA	10/18/2001	SOIL GRID	0.25	0.50		
HC103BDA1CAA	103BDA	10/18/2001	SOIL GRID	0.50	1.00		
HC103BDA1DAA	103BDA	10/18/2001	SOIL GRID	1.50	2.00		
HC103BEA1AAA	103BEA	10/18/2001	SOIL GRID	0.00	0.25		
HC103BEA1BAA	103BEA	10/18/2001	SOIL GRID	0.25	0.50		
HC103BFA1AAA	103BFA	10/18/2001	SOIL GRID	0.50	1.00		
HC103BFA1BAA	103BFA	10/19/2001	SOIL GRID	0.25	0.50		
HC103BGA1CAA	103BGA	10/19/2001	SOIL GRID	0.50	1.00		
HD102PA1DAA	102PA	10/16/2001	SOIL GRID	1.50	2.00		
HD103BB1DAA	103BB	10/17/2001	SOIL GRID	1.50	2.00		
HD103BB3DAA	103BB	10/17/2001	SOIL GRID	1.50	2.00		
HD103BB5DAA	103BB	10/17/2001	SOIL GRID	1.50	2.00		
HD103BB7DAA	103BB	10/17/2001	SOIL GRID	1.50	2.00		
HD103BBA1AAA	103BBA	10/17/2001	SOIL GRID	0.00	0.25		
HD103BBA1BAA	103BBA	10/17/2001	SOIL GRID	0.25	0.50		
HD103BBA1CAA	103BBA	10/17/2001	SOIL GRID	0.50	1.00		
HD103BBA1DAA	103BBA	10/17/2001	SOIL GRID	1.50	2.00		
HD103BBA1DAD	103BBA	10/17/2001	SOIL GRID	1.50	2.00		
HD103BBA3AAA	103BBA	10/17/2001	SOIL GRID	0.00	0.25		
HD103BBA3BAA	103BBA	10/17/2001	SOIL GRID	0.25	0.50		
HD103BBA3CAA	103BBA	10/17/2001	SOIL GRID	0.50	1.00		
HD103BBA3DAA	103BBA	10/17/2001	SOIL GRID	1.50	2.00		
HD103BBA5AAA	103BBA	10/17/2001	SOIL GRID	0.00	0.25		
HD103BBA5BAA	103BBA	10/17/2001	SOIL GRID	0.25	0.50		
HD103BBA5CAA	103BBA	10/17/2001	SOIL GRID	0.50	1.00		
HD103BBA5DAA	103BBA	10/17/2001	SOIL GRID	1.50	2.00		
HD103BBA5DAD	103BBA	10/17/2001	SOIL GRID	1.50	2.00		
HD103BBA7AAA	103BBA	10/17/2001	SOIL GRID	0.00	0.25		
HD103BBA7BAA	103BBA	10/17/2001	SOIL GRID	0.25	0.50		
HD103BBA7CAA	103BBA	10/17/2001	SOIL GRID	0.50	1.00		
HD103BBA7DAA	103BBA	10/17/2001	SOIL GRID	1.50	2.00		
HD103BC1DAA	103BB	10/17/2001	SOIL GRID	1.50	2.00		
HD103BC3DAA	103BB	10/17/2001	SOIL GRID	1.50	2.00		

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

TABLE 2
SAMPLING PROGRESS
10/13/2001-10/19/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD103BC5DAA	103BB	10/17/2001	SOIL GRID	1.50	2.00		
HD103BC7DAA	103BB	10/17/2001	SOIL GRID	1.50	2.00		
HD103BCA1BAA	103BCA	10/18/2001	SOIL GRID	0.25	0.50		
HD103BCA1CAA	103BCA	10/18/2001	SOIL GRID	0.50	1.00		
HD103BCA1DAA	103BCA	10/18/2001	SOIL GRID	1.50	2.00		
HD103BCA1DAD	103BCA	10/18/2001	SOIL GRID	1.50	2.00		
HD103BCA3AAA	103BCA	10/18/2001	SOIL GRID	0.00	0.25		
HD103BCA3BAA	103BCA	10/18/2001	SOIL GRID	0.25	0.50		
HD103BCA3CAA	103BCA	10/18/2001	SOIL GRID	0.50	1.00		
HD103BCA3DAA	103BCA	10/18/2001	SOIL GRID	1.50	2.00		
HD103BCA5AAA	103BCA	10/18/2001	SOIL GRID	0.00	0.25		
HD103BCA5BAA	103BCA	10/18/2001	SOIL GRID	0.25	0.50		
HD103BCA5CAA	103BCA	10/18/2001	SOIL GRID	0.50	1.00		
HD103BCA5DAA	103BCA	10/18/2001	SOIL GRID	1.50	2.00		
HD103BCA5DAD	103BCA	10/18/2001	SOIL GRID	1.50	2.00		
HD103BCA7AAA	103BCA	10/18/2001	SOIL GRID	0.00	0.25		
HD103BCA7BAA	103BCA	10/18/2001	SOIL GRID	0.25	0.50		
HD103BCA7CAA	103BCA	10/18/2001	SOIL GRID	0.50	1.00		
HD103BCA7DAA	103BCA	10/18/2001	SOIL GRID	1.50	2.00		
HD103BD1DAA	103BD	10/17/2001	SOIL GRID	1.50	2.00		
HD103BD3DAA	103BD	10/17/2001	SOIL GRID	1.50	2.00		
HD103BD5DAA	103BD	10/17/2001	SOIL GRID	1.50	2.00		
HD103BD7DAA	103BD	10/17/2001	SOIL GRID	1.50	2.00		
HD103BD7DAD	103BD	10/17/2001	SOIL GRID	1.50	2.00		
HD103BDA1AAA	103BDA	10/18/2001	SOIL GRID	0.00	0.25		
HD103BDA1BAA	103BDA	10/18/2001	SOIL GRID	0.25	0.50		
HD103BDA1CAA	103BDA	10/18/2001	SOIL GRID	0.50	1.00		
HD103BDA1DAA	103BDA	10/18/2001	SOIL GRID	1.50	2.00		
HD103BDA1DAD	103BDA	10/18/2001	SOIL GRID	1.50	2.00		
HD103BDA3AAA	103BDA	10/18/2001	SOIL GRID	0.00	0.25		
HD103BDA3BAA	103BDA	10/18/2001	SOIL GRID	0.25	0.50		
HD103BDA3DAA	103BDA	10/18/2001	SOIL GRID	1.50	2.00		
HD103BDA5AAA	103BDA	10/18/2001	SOIL GRID	0.00	0.25		
HD103BDA5BAA	103BDA	10/18/2001	SOIL GRID	0.25	0.50		
HD103BDA5CAA	103BDA	10/18/2001	SOIL GRID	0.50	1.00		
HD103BDA5DAA	103BDA	10/18/2001	SOIL GRID	1.50	2.00		
HD103BDA5DAD	103BDA	10/18/2001	SOIL GRID	1.50	2.00		
HD103BDA7AAA	103BDA	10/18/2001	SOIL GRID	0.00	0.25		
HD103BDA7BAA	103BDA	10/18/2001	SOIL GRID	0.25	0.50		
HD103BDA7CAA	103BDA	10/18/2001	SOIL GRID	0.50	1.00		
HD103BEA1AAA	103BEA	10/18/2001	SOIL GRID	0.00	0.25		
HD103BEA1BAA	103BEA	10/18/2001	SOIL GRID	0.25	0.50		
HD103BEA3AAA	103BEA	10/18/2001	SOIL GRID	0.00	0.25		
HD103BEA3BAA	103BEA	10/18/2001	SOIL GRID	0.25	0.50		

Profiling methods include: Volatiles and Explosives
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
Other Sample Types methods are variable
SBD = Sample Begin Depth, measured in feet bgs
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BWTS = Depth below water table, start depth, measured in feet
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TABLE 2
SAMPLING PROGRESS
10/13/2001-10/19/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD103BEA5AAA	103BEA	10/18/2001	SOIL GRID	0.00	0.25		
HD103BEA5BAA	103BEA	10/18/2001	SOIL GRID	0.25	0.50		
HD103BEA7AAA	103BEA	10/18/2001	SOIL GRID	0.00	0.25		
HD103BEA7BAA	103BEA	10/18/2001	SOIL GRID	0.25	0.50		
HD103BFA1AAA	103BFA	10/18/2001	SOIL GRID	0.00	0.25		
HD103BFA1BAA	103BFA	10/19/2001	SOIL GRID	0.25	0.50		
HD103BFA3AAA	103BFA	10/18/2001	SOIL GRID	0.00	0.25		
HD103BFA3BAA	103BFA	10/19/2001	SOIL GRID	0.25	0.50		
HD103BFA4BAA	103BFA	10/19/2001	SOIL GRID	0.25	0.50		
HD103BFA5AAA	103BFA	10/18/2001	SOIL GRID	0.00	0.25		
HD103BFA5BAA	103BFA	10/19/2001	SOIL GRID	0.25	0.50		
HD103BFA6BAA	103BFA	10/19/2001	SOIL GRID	0.25	0.50		
HD103BFA7AAA	103BFA	10/18/2001	SOIL GRID	0.00	0.25		
HD103BFA7BAA	103BFA	10/19/2001	SOIL GRID	0.25	0.50		
HD103BGA1AAA	103BGA	10/19/2001	SOIL GRID	0.00	0.25		
HD103BGA1BAA	103BGA	10/19/2001	SOIL GRID	0.25	0.50		
HD103BGA1CAA	103BGA	10/19/2001	SOIL GRID	0.50	1.00		
HD103BGA3AAA	103BGA	10/19/2001	SOIL GRID	0.00	0.25		
HD103BGA3BAA	103BGA	10/19/2001	SOIL GRID	0.25	0.50		
HD103BGA3CAA	103BGA	10/19/2001	SOIL GRID	0.50	1.00		
HD103BGA5AAA	103BGA	10/19/2001	SOIL GRID	0.00	0.25		
HD103BGA5BAA	103BGA	10/19/2001	SOIL GRID	0.25	0.50		
HD103BGA5CAA	103BGA	10/19/2001	SOIL GRID	0.50	1.00		
HD103BGA7AAA	103BGA	10/19/2001	SOIL GRID	0.00	0.25		
HD103BGA7BAA	103BGA	10/19/2001	SOIL GRID	0.25	0.50		
HD103BGA7CAA	103BGA	10/19/2001	SOIL GRID	0.50	1.00		

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
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BWTE = Depth below water table, end depth, measured in feet

TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 9/29/01-10/19/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
90MW0034	90MW0034	10/08/2001	GROUNDWATER	94.00	99.00	28.57	33.57	8330N	NITROGLYCERIN	NO
W157M2A	MW-157	10/10/2001	GROUNDWATER	110.00	120.00	96.50	106.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W157M2D	MW-157	10/10/2001	GROUNDWATER	110.00	120.00	96.50	106.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W90SSA	MW-90	10/09/2001	GROUNDWATER	118.00	128.00	0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W91SSA	MW-91	10/09/2001	GROUNDWATER	124.00	134.00	0.00	10.00	8330N	2-AMINO-4,6-DINITROTOLUENE	YES
W91SSA	MW-91	10/09/2001	GROUNDWATER	124.00	134.00	0.00	10.00	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
W91SSA	MW-91	10/09/2001	GROUNDWATER	124.00	134.00	0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W91SSA	MW-91	10/09/2001	GROUNDWATER	124.00	134.00	0.00	10.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W161SSA	MW-161	10/08/2001	GROUNDWATER	145.00	155.00	0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G185DLA	MW-185	10/12/2001	PROFILE	250.00	250.00	118.00	118.00	8330N	1,3,5-TRINITROBENZENE	NO
G185DLA	MW-185	10/12/2001	PROFILE	250.00	250.00	118.00	118.00	8330N	1,3-DINITROBENZENE	NO
G185DLA	MW-185	10/12/2001	PROFILE	250.00	250.00	118.00	118.00	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G185DLA	MW-185	10/12/2001	PROFILE	250.00	250.00	118.00	118.00	8330N	2,4-DINITROTOLUENE	NO
G185DLA	MW-185	10/12/2001	PROFILE	250.00	250.00	118.00	118.00	8330N	2-NITROTOLUENE	NO
G185DLA	MW-185	10/12/2001	PROFILE	250.00	250.00	118.00	118.00	8330N	3-NITROTOLUENE	NO
G185DLA	MW-185	10/12/2001	PROFILE	250.00	250.00	118.00	118.00	8330N	4-NITROTOLUENE	NO
G185DLA	MW-185	10/12/2001	PROFILE	250.00	250.00	118.00	118.00	8330N	NITROBENZENE	YES*
G185DLA	MW-185	10/12/2001	PROFILE	250.00	250.00	118.00	118.00	8330N	NITROGLYCERIN	NO
G185DLA	MW-185	10/12/2001	PROFILE	250.00	250.00	118.00	118.00	8330N	PENTAERYTHRITOL TETRANITR	NO
G185DLA	MW-185	10/12/2001	PROFILE	250.00	250.00	118.00	118.00	8330N	PICRIC ACID	NO
G185DNA	MW-185	10/12/2001	PROFILE	270.00	270.00	138.00	138.00	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G185DNA	MW-185	10/12/2001	PROFILE	270.00	270.00	138.00	138.00	8330N	2,4-DINITROTOLUENE	NO
G185DNA	MW-185	10/12/2001	PROFILE	270.00	270.00	138.00	138.00	8330N	4-NITROTOLUENE	NO
G185DNA	MW-185	10/12/2001	PROFILE	270.00	270.00	138.00	138.00	8330N	NITROBENZENE	YES*
G185DNA	MW-185	10/12/2001	PROFILE	270.00	270.00	138.00	138.00	8330N	NITROGLYCERIN	NO
G185DNA	MW-185	10/12/2001	PROFILE	270.00	270.00	138.00	138.00	8330N	PICRIC ACID	NO
G185DOA	MW-185	10/12/2001	PROFILE	280.00	280.00	148.00	148.00	8330N	1,3,5-TRINITROBENZENE	NO
G185DOA	MW-185	10/12/2001	PROFILE	280.00	280.00	148.00	148.00	8330N	1,3-DINITROBENZENE	NO
G185DOA	MW-185	10/12/2001	PROFILE	280.00	280.00	148.00	148.00	8330N	2,4-DINITROTOLUENE	NO
G185DOA	MW-185	10/12/2001	PROFILE	280.00	280.00	148.00	148.00	8330N	2-NITROTOLUENE	NO
G185DOA	MW-185	10/12/2001	PROFILE	280.00	280.00	148.00	148.00	8330N	4-NITROTOLUENE	NO
G185DOA	MW-185	10/12/2001	PROFILE	280.00	280.00	148.00	148.00	8330N	NITROGLYCERIN	NO

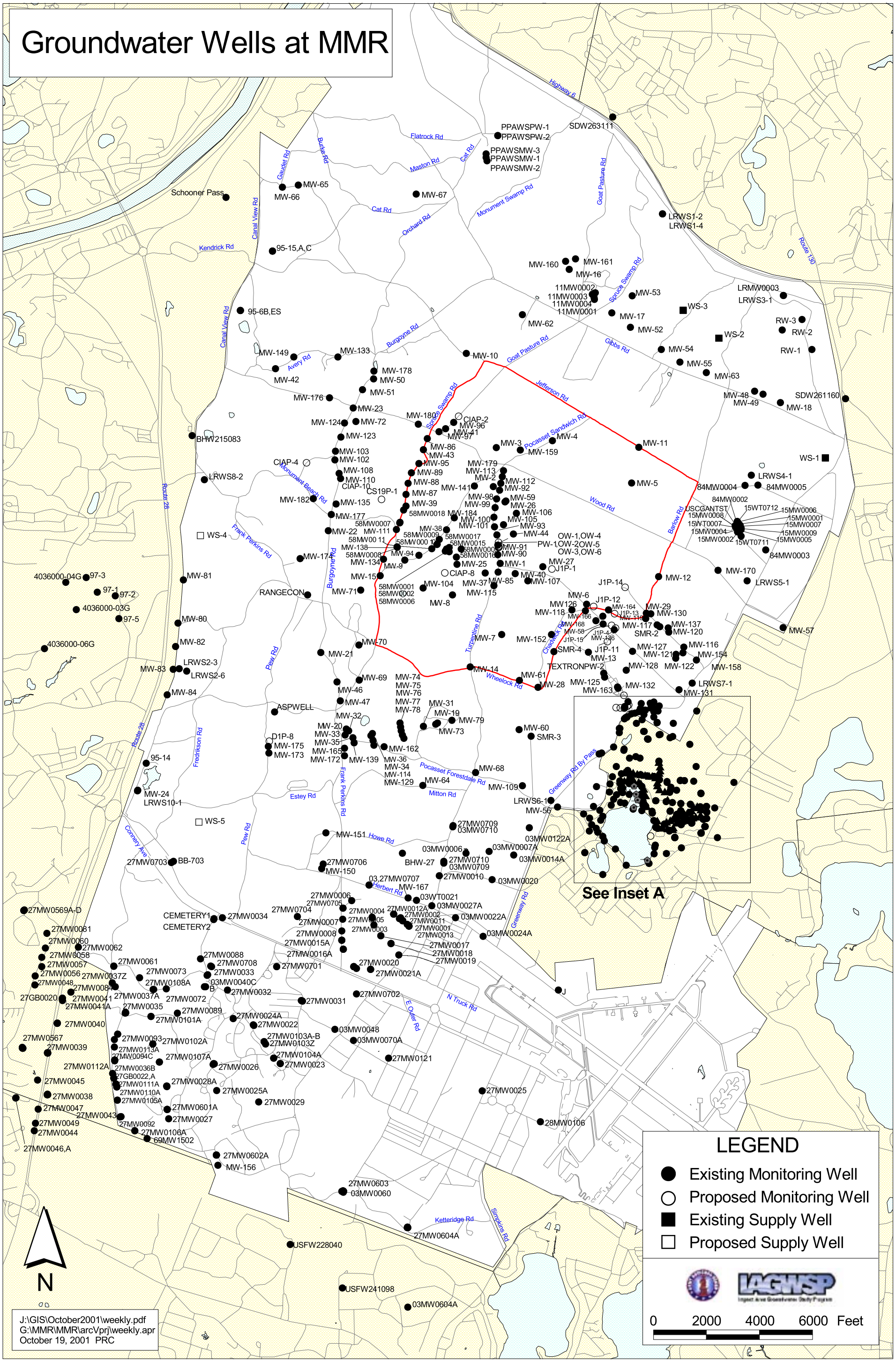
DATA REPORTED REFLECT CURRENT DATABASE FOR SAMPLES COLLECTED IN SPECIFIED TIMEFRAME. NOT ALL RESULTS ARE COMPLETE.
SBD = SAMPLE COLLECTION BEGIN DEPTH IN FEET BGS
SED = SAMPLE COLLECTION END DEPTH IN FEET BGS
BWTS = DEPTH BELOW WATER TABLE, START DEPTH, MEASURED IN FEET
BWTE = DEPTH BELOW WATER TABLE,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

TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 9/29/01-10/19/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G185DOA	MW-185	10/12/2001	PROFILE	280.00	280.00	148.00	148.00	8330N	PICRIC ACID	NO
G185DPA	MW-185	10/12/2001	PROFILE	290.00	290.00	158.00	158.00	8330N	1,3-DINITROBENZENE	NO
G185DPA	MW-185	10/12/2001	PROFILE	290.00	290.00	158.00	158.00	8330N	2,4-DINITROTOLUENE	NO
G185DPA	MW-185	10/12/2001	PROFILE	290.00	290.00	158.00	158.00	8330N	2-NITROTOLUENE	NO
G185DPA	MW-185	10/12/2001	PROFILE	290.00	290.00	158.00	158.00	8330N	4-NITROTOLUENE	NO
G185DPA	MW-185	10/12/2001	PROFILE	290.00	290.00	158.00	158.00	8330N	NITROGLYCERIN	NO
G185DPA	MW-185	10/12/2001	PROFILE	290.00	290.00	158.00	158.00	8330N	PICRIC ACID	NO
G185DQA	MW-185	10/15/2001	PROFILE	300.00	300.00	168.00	168.00	8330N	2,4-DINITROTOLUENE	NO
G185DQA	MW-185	10/15/2001	PROFILE	300.00	300.00	168.00	168.00	8330N	2,6-DINITROTOLUENE	NO
G185DQA	MW-185	10/15/2001	PROFILE	300.00	300.00	168.00	168.00	8330N	NITROBENZENE	NO*
G185DQA	MW-185	10/15/2001	PROFILE	300.00	300.00	168.00	168.00	8330N	NITROGLYCERIN	NO
G185DQA	MW-185	10/15/2001	PROFILE	300.00	300.00	168.00	168.00	8330N	PICRIC ACID	NO
G185DQD	MW-185	10/15/2001	PROFILE	300.00	300.00	168.00	168.00	8330N	1,3,5-TRINITROBENZENE	NO
G185DQD	MW-185	10/15/2001	PROFILE	300.00	300.00	168.00	168.00	8330N	1,3-DINITROBENZENE	NO
G185DQD	MW-185	10/15/2001	PROFILE	300.00	300.00	168.00	168.00	8330N	NITROBENZENE	NO*
G185DQD	MW-185	10/15/2001	PROFILE	300.00	300.00	168.00	168.00	8330N	NITROGLYCERIN	NO
G185DRA	MW-185	10/15/2001	PROFILE	310.00	310.00	178.00	178.00	8330N	1,3,5-TRINITROBENZENE	NO
G185DRA	MW-185	10/15/2001	PROFILE	310.00	310.00	178.00	178.00	8330N	1,3-DINITROBENZENE	NO
G185DRA	MW-185	10/15/2001	PROFILE	310.00	310.00	178.00	178.00	8330N	NITROBENZENE	YES*
G185DRA	MW-185	10/15/2001	PROFILE	310.00	310.00	178.00	178.00	8330N	NITROGLYCERIN	NO
G185DSA	MW-185	10/15/2001	PROFILE	320.00	320.00	188.00	188.00	8330N	1,3-DINITROBENZENE	NO
G185DSA	MW-185	10/15/2001	PROFILE	320.00	320.00	188.00	188.00	8330N	2,4-DINITROTOLUENE	NO
G185DSA	MW-185	10/15/2001	PROFILE	320.00	320.00	188.00	188.00	8330N	NITROGLYCERIN	NO
G185DTA	MW-185	10/15/2001	PROFILE	330.00	330.00	198.00	198.00	8330N	1,3,5-TRINITROBENZENE	NO
G185DTA	MW-185	10/15/2001	PROFILE	330.00	330.00	198.00	198.00	8330N	1,3-DINITROBENZENE	NO
G185DTA	MW-185	10/15/2001	PROFILE	330.00	330.00	198.00	198.00	8330N	2,4-DINITROTOLUENE	NO
G185DTA	MW-185	10/15/2001	PROFILE	330.00	330.00	198.00	198.00	8330N	NITROGLYCERIN	NO
G185DUA	MW-185	10/16/2001	PROFILE	340.00	340.00	208.00	208.00	8330N	1,3,5-TRINITROBENZENE	YES
G185DUA	MW-185	10/16/2001	PROFILE	340.00	340.00	208.00	208.00	8330N	1,3-DINITROBENZENE	NO
G185DUA	MW-185	10/16/2001	PROFILE	340.00	340.00	208.00	208.00	8330N	2,4-DINITROTOLUENE	NO
G185DUA	MW-185	10/16/2001	PROFILE	340.00	340.00	208.00	208.00	8330N	NITROGLYCERIN	NO

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

Groundwater Wells at MMR



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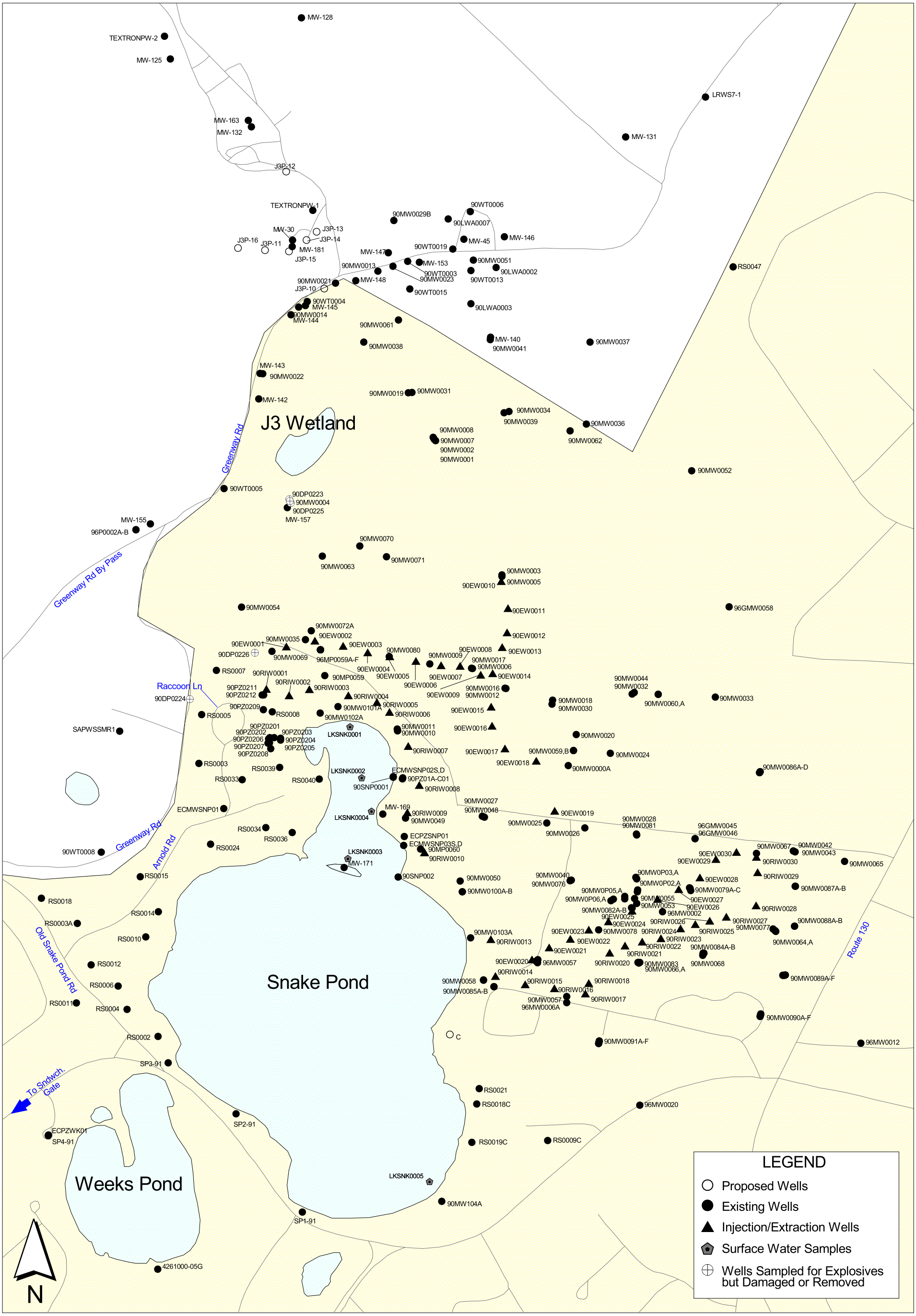
October 19, 2001 PRC



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October 19, 2001 PRC