WEEKLY PROGRESS UPDATE
FOR MAY 21 – MAY 25, 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 May 21 to May 25, 2001.

1. SUMMARY OF ACTIONS TAKEN

Drilling progress as of May 25 is summarized in Table 1.

Table 1. Drilling progress as of May 25, 2001

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-170	Former K Range well (KP-1)	344	236	123-133 198-208 265-275
MW-171	Snake Pond well (SP-2)	189	186	29-34 81-86 141-146

Bgs = below ground surface
Bwt = below water table

Completed installation of MW-170 (KP-1) and MW-171 (SP-2). Continued development of the newly installed wells. Approximately 4 cu yds of soil was excavated from the J-1 Range trench near the J1P-6 well pad.

Samples collected during the reporting period are summarized in Table 2. Groundwater profile samples were collected for MW-171. Groundwater samples were collected for 2001 Long Term Monitoring and first round of newly installed wells. Split samples were collected of surface water samples at the Snake Pond public and Camp GoodNews beaches. Water samples were collected from the GAC system and the RRA Containment Pad. Soil samples were collected at former C Range and at the J-1 Range trench at the base of the supplemental excavation. As part of the HUTA investigation, soil and wipe samples were collected from UXORM and debris in Test Pit 3 and 5. Soil samples were also collected in the Test Pit 6 area.

The Guard, EPA, and MADEP had a meeting on May 24 to discuss technical issues, including the following:

<u>Munitions Survey Update</u>
Larry Hudgins and Raye Lahti (Tetra Tech) presented the update on the Munitions Survey. A one-page handout was distributed.

- Since last week, additional work was completed at HUTA Test Pit #3, Test Pit #5, and Test Pit #6. In Test Pit #3 hand excavation of anomalies continues on Lift 1B. In Test Pit #5, geophysics on Lift 1A delayed due to rain. In Test Pit #6, Lift 4 sampling has been delayed due to rain. Although work is completed at Test Pit #4, Tetra Tech is awaiting analytical results prior to backfilling. It was reaffirmed that a completion date for the HUTA investigation would be set by 6/21.
- Presentation of J-1 Range ground geophysical data scheduled for 5/30 is pushed back to

6/15. J-3 Range data will also be presented 6/15.
- EPA-selected 54 AirMag targets are being incorporated into the initial ground-truthing effort. A secondary target list is still under development and will not be available for at least 2 weeks.
- A draft Tech Memo summarizing the DU data will be presented to ACE 5/28 and can be discussed at the 5/31 Tech meeting.

CS-18 and CS-19 Updates

Ken Gaynor (Jacobs) presented an update on CS-18 and CS-19, distributing a one-page handout.
- At CS-18, groundwater sampling of the seven site wells has been completed and the wells surveyed. A particle backtrack from well 16MW0005 will be completed shortly. The FS-12 retrofit to add an additional extraction well will start next week.
- Safety exclusion zone for UXO work around CS-19 trench excavation was presented. This zone overlaps with the HUTA-1 exclusion zone. When the zone is set up (intermittently during 6 week CS-19 trench excavation program) only UXO-trained personnel can enter exclusion zone. Larry Hudgins (Tetra Tech) indicated that this will not impact Tetra Tech, except during BIPs, since HUTA-1 personnel are all UXO trained. Marc Grant (AMEC) indicated that this will impact sampling of the 20 CS-19 wells that EPA recently requested be added to the LTM list.
- Mike Jasinski (EPA) received the PDF file of the particle track cross-sections and will forward to Mr. Grant, Ben Gregson (IAGWSPO).
- Mr. Gaynor requested that AMEC modify its radios, so that Jacobs and AMEC can communicate when Jacobs begins working in the CS-19 area.

Water Supply Study Update

Ben Gregson (IAGWSPO) spoke with Hap Gonser (JPO) regarding the Water Supply Study prior to the Tech meeting and provided a brief update.
- The ZOCs have been approved by the State.
- Mr. Gonser clarified that the requirements that chemical monitoring wells associated with the ZOCs be screened throughout the 200 ft of aquifer was a reference to screens at 3 depths to cover the aquifer, not a single screen throughout the entire aquifer thickness. Jane Dolan (EPA) indicated that was not her understanding.

Rapid Response Action Update

Scott Veenstra (AMEC) provided an update on the RRA. A one-page handout was distributed.
- Water management on the containment pad will continue pending results of water samples collected this week.
- Draft Completion of Work Report for RRA Group 1 efforts was issued 4/30. Comments were requested from agencies by 5/21. Comment period was extended based on EPA request for clarification of three points – these points were addressed in the Tech meeting with Jane Dolan (EPA).
    1. As indicated in Table 4-5, rainwater with RDX<1 ug/L was discharged prior to receiving analytical results 11/11, 13, 14, 15. Post-carbon filters were back flushed following receipt of results.
    2. Received approval from Todd Borci (EPA) via email to discharge filtered water. Mr. Veenstra to forward email communication to Ms. Dolan.
    3. Process water and other process materials (but not rainwater) are/were retained on the containment pad until analytical results were received on samples of the water/materials.
    4. An additional question was asked by Mike Jasinski (EPA) regarding when soil

washing was completed. Processing of soil washing was completed on 11/9, however cleaning out of system was continued until 11/11.

- Extension request for additional delineation sampling of Mortar Target 9 was sent to EPA on 5/21. Mr. Jasinski to check with Mr. Borci (EPA) today on approval of extension, will submit to Ben Gregson (IAGWSPO).
- Extension request includes request for approval to complete intrusive clearance to 65-ft radius around Target in advance of soil sample collection. John Rice (AMEC) reminded the agencies that intrusive clearance may result in disturbance of soil in the area of clearance and therefore in the potential sampling areas. The intrusive clearance (required for soil removal) is being combined with the UXO avoidance work (required for sampling) so that the UXO work at Mortar Target 9 can be completed in a single mobilization. EPA sent an email following the meeting concurring with NGB's recommendation to begin UXO clearance to 65 feet.
- Contracting between the Guard and AMEC for UXO clearance, soil removal (initial 285 cu yds) and site restoration activities is completed. Actual soil washing of Mortar Target 9 soil and rewash of Group 1 retained soil is likely to commence in August.
- At IART meeting, Jim Stahl (TOSC) requested that a process update and status of Bioslurry process be provided. Can be provided as a handout at the next IART meeting.

Groundwater Study

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

- Installation of monitor well MW-170 (KP-1) and MW-171 (SP-2) was completed this week. Drilling of MW-172 (D1P-5) will commence next week.
- May LTM groundwater sampling round continued this week including MW-169 (SP-1). Sampling of LTM round and newly installed J Range wells will continue next week. This will include sampling of MW-164 (J1P-5), MW-168 (J1P-7) and MW-171 (SP-2).
- Sampling of 2nd and 3rd rounds for some of the Central Impact Area Response wells is falling behind schedule because of restrictions of HUTA exclusion zone. Sampling of these wells has been conducted on the weekends.
- During the punch list discussion, it was noted that approval has been received by property owners to sample PZ208 and PZ211. Jane Dolan (EPA) reiterated that the well locations still needed to be verified. ACE indicated that PZ211 appears to be damaged and that a fallen tree presents a possible safety issue at PZ208. AMEC and Jacobs to conduct a site walk to evaluate sampling issues and verification of piezometer locations.
- No UXO avoidance was conducted this week and none is planned for next week.
- Two discrete soil samples were collected at the Former C Range this week. This concludes the scope of the Phase IIb sampling.
- Vegetation removal for D1P-5 (1,600 sq ft) was completed this week. No vegetation removal is scheduled for next week.
- A 3-page table for New Detects – Unvalidated was distributed. The majority of the results were similar to the results of previous sampling rounds. The most notable exceptions included: first round results from MW-157M2, M3 (Camp GoodNews wells) showed detections of RDX as in profile results for M3, but had not been detected in profile samples for M2; first round results for MW-165M2 showed RDX and HMX detections as in profile results; MW-30 had a non PDA-verified detection of TNT, but no HMX which has historically been detected there; detection of RDX in MW-34M2 was at lowest level ever; concentration of RDX in MW-37M2 was below the Health Advisory for the first time since installed; concentration of RDX in MW-76M1 was more than 5 times higher than detection in previous round; HMX was not detected in MW-76S but had been detected in previous rounds; RDX concentration was less than half of previous detection MW-77M2; RDX was detected for the

first time in MW-78M2.
- Marc Grant (AMEC) indicated that there were no detections of explosives in MW-162 (D1P-3).
- Fingerprint information on substance encountered in KP-1 (MW-170) will be forwarded when available, possibly today (5/24) or tomorrow (5/25).
- Dr. Winkler's report on the Full Scan 8330 Analysis and its usefulness in detection of explosive compounds was distributed to agencies. AMEC to provide evaluation of report in a couple weeks.
- Perchlorate results update was emailed on 5/21. Results were non detect at PZ204.
- Latest Tritium Results from University of Miami were still not available.

Document /Schedule Status Update

Marc Grant (AMEC) provided the update on document and schedule status, distributing a one-page table, 3-month Lookahead schedule, and a table outlining the scheduling issues. Highlights of the document/schedule status were reviewed as follows:
- Documents Having Comments. MOR approval for J-2 Range Additional Delineation Work Plan was received 5/21. This date sets the date for the Final Work Plan at 6/19 and the J-2 Range Draft Report. Supplemental Background Workplan was moved to Documents Having Comments status; a final Workplan will not be issued.
- Documents Needing Comments. RRA Delineation Sampling Report will be held as draft and finalized when final delineation efforts are completed. Jane Dolan (EPA) indicated that EPA comments on the RRA Group 1 Draft Completion of Work Report will be delayed at least three weeks pending review by the attorneys. HUTA-1 Interim Data Report was moved up to the Document Needing Comment status.
- Documents to be Submitted. Gun/Mortar Establish COC document was deleted from the required document list. SAR Report on GI and Sierra East Ranges will be combined with Report on old SAR Ranges. Schedule for HUTA-1 Final Report will be established on 6/21.
- Ms. Dolan/Ben Gregson (IAGWSPO) indicated that modification of AO#3 had been issued to the Army and Guard to address Former H Range RRA activities. If and what schedule was dictated by the Order was not known. Mr. Gregson further indicated that regardless, the property owner had rescinded their permission to continue action at the Former H Range while Camp GoodNews was in session. Len Pinaud (MADEP) proposed that the EPA, DEP, and Guard talk to Ray Cottengaim (ACE) to determine the reasons that the property owner had rescinded permission and potentially talk with the property owner again regarding this issue.
- Mr. Pinaud reviewed the MMR Integrated Activity Calendar that was distributed by Robbins-Gioia for scheduling conflicts. June IART dry run conflicted with JPO-SMB dry run; the JPO-SMB dry run to be scheduled later in the day. June IART conflicts with Master Plan FEIR Public Comment Mtng and Pave Paws PHSG.

Demo 1 Additional Data

Mark Applebee (AMEC) reviewed proposed additional data for the Demo 1 area.
- Objectives for collecting the information was to provide additional data to calibrate the unsaturated zone model at the Demo 1 and other sites.
- Installation of data loggers and staff gauges was being completed to monitor the infiltration rate of water into the subsurface at Demo 1. Monthly water levels were to be collected to assist in calibrating the Demo 1 groundwater model. Soil samples were to be collected to 10 or 15 ft for analysis of fractional organic carbon.
- Applications to other sites would be mostly the type of soil and migration rate of water in the unsaturated zone.
- Adam Balogh (TRC) asked if it was AMEC's intent to compare modeled results to the actual

plume configuration. Jay Clausen (AMEC) indicated that yes, AMEC was modeling the Demo 1 area precisely because the regional model was predicting that the plume tracked further north than the actual data showed.

- Additionally, Mr. Balogh had the following comments on the proposed scope of work:
  - Staff gauges could not be used to monitor groundwater chemistry.
  - Suggested that daily local rain data (such as OTIS data) be reviewed in concert with Demo 1-specific rain data to assess evaporation rates.
  - Suggested that in collecting soil for fractional organic carbon (foc) data, leaves be removed from sample and the soil be profiled over 5 feet.
  - Inquired if the foc data would be useful to assess areas for soil removal. Mr. Clausen indicated that it would.
- Proposed sampling scope was roughly outlined as 1 soil boring to water table, 2 soil borings to 10-15 ft + hand auger samples. Soil samples to 10-15 ft analyzed for foc.
- Ed Wise (ACE)/Mike Jasinski (EPA) requested that additional information be provided on the sampling scope at the 5/31 Tech meeting.

Miscellaneous

Jane Dolan (EPA) had the following list of miscellaneous questions/items.

- Regarding J-2 Range ground geophysical data, are UXB target picks, final target pick list? Larry Hudgins (Tetra tech) to check. Ms. Dolan further requested a proposal to ground-truth picks and to set an enforceable milestone for the J-2 Range geophysical report. CPT Myer (IAGWSPO) indicated that ground-truthing including notation of cultural features, UXO, UXORM, and debris had been completed as part of the survey. Information was to be provided in the Munitions Survey Report, not a separate geophysical report on the J-2 Range. Due date of Munitions Survey Report to be provided to Ms. Dolan by CPT Myer.
- The IART requested that JPO present a Water Supply Update at next IART meeting. Dave Hill (IAGWSPO) suggested the EPA contact Hap Gonser/JPO directly regarding this request.
- Mike Jasinski (EPA) inquired if sampling of monitoring wells for water supply would be a duplication of the sampling effort already being conducted under the Guard's LTM scope. Shouldn't this sampling be coordinated with AMEC sampling of same wells? Mr. Jasinski proposed having a meeting between MADEP, EPA, JPO, Guard, AMEC to discuss coordination of sampling effort.
- What is cost differential for profiling a borehole versus not profiling a borehole? John Rice (AMEC) indicated cost differential for a 300 ft borehole profiled 200 feet was $30,000.
- Todd Borci (EPA) had requested that a new Demo 1 plume map be drafted.
- Mr. Borci had requested that the proposed well location for Old D Range be positioned at H symbol on the map that showed Guard's proposed location. This location corresponded to the grid location where high lead in soil had been detected. John Rice (AMEC) informed EPA that this location would require a 200 ft access road and associated vegetation removal.
- Regarding Greenway Road samples in pipeline trench adjacent to the L Range, have these samples been collected? Herb Colby (AMEC) indicated that this sampling was being proposed as part of J-3, J-1, L Ranges Additional Delineation Work Plan to be submitted to the agencies on 5/31. Ms. Dolan requested that the samples be collected prior to the repaving of the road. John McPherson (ACE) to check on road repavement schedule.
- Regarding FS-12 influent/effluent collected on 5/1, are results back? John Rice (AMEC) indicated results for explosives were non detect.
- Regarding Weeks Pond chemical monitoring wells, installed as part of water supply program, can these wells be sampled for FS-12 response effort?
- Regarding Tech Memo 99-6 False Positives, have the recommendations been followed?

- Are the gross-alpha results available for the J-2 Range sampling? Herb Colby (AMEC) to check.
- Has the Old Snake Pond residential well been sampled? Mike Jasinski (EPA) relayed that Dan Miller indicated that it was Jacobs' intent to sample several residential wells, including Old Snake Pond well, by next week. A list of residential wells to be sampled had been forwarded to Guard/AMEC but they had not replied as to their interest in splitting samples.
- Several anomalies along Greenway Road were pointed out by Raye Lahti (Tetra Tech) during his AirMag presentation at IART meeting. Have those anomalies been identified? Larry Hudgins (Tetra Tech) to check with Mr. Lahti.
- Regarding 1000m Berm on the J-1 Range, plastic in the area where the steel plates were removed for the DU survey needs to be secured. Would like to see soil in this area sampled for explosives as part of the J-3/J-1/L Ranges Additional Delineation Plan.
- Were Tritium samples collected as part of profiling of MW-166 and MW-167? Closest Tritium results to this area are at MW-126. Herb Colby (AMEC) to check.
- Where is RRA containment pad water held? Marc Grant (AMEC) to check with Scott Veenstra (AMEC).
- Can meeting on requirements of Ecological Risk Assessment between agency representatives be conducted next week?

Snake Pond Spit Well (MW-171) Follow Up

Ben Gregson (IAGWSPO) provided a briefing on the Guard's actions to inform interested parties of detection of explosives (RDX) in profile samples (41-96 ft bwt/bgs) from Spit well at Snake Pond, implications, and follow-up.

- Sandwich Board of Health was notified.
- Property owner was notified.
- Message left for Chairman, Sandwich Board of Selectmen.
- Dick Judge (Sandwich Selectmen) was notified at SMB meeting.
- Message was left for Town Manager of Sandwich.
- Dave Mason (Sandwich Health Dept) spoke with Jan Larkin (JPO).
- Dave Williams (MADPH) was notified at SMB.
- Results were reviewed at SMB.
- Guard has followed up with splitting of surface water samples at beaches (Camp GoodNews and public) on 5/23. John Rice (AMEC) to check if analysis can be placed on 24-hr turn around.
- Guard will continue to collect surface water samples and drive point samples with AFCEE every 2 weeks.
- Forward particle tracks (with cross sections) will be obtained from Spit well to help determine if and where upwelling occurs in pond. Particle tracks likely to be available in 24 hrs. Cross-sections will take a little longer.
- Sampling of organic layer at base of Pond in identified area of upwelling will be initiated. Diffusion sampling of water at base of pond will be conducted when appropriate bag media (bag capable of allowing large explosive molecule in and still retain water) is identified.
- Mr. Williams inquired if water was to deep in the area to complete drive points and if it was now possible to draw plumes. Mr. Gregson indicated that these were possibilities that the Guard was evaluating.
- Len Pinaud (MADEP) would like the effort fast tracked so that the public can be informed of quality of surface water in pond. Mr. Gregson concurred.

IART Agenda and Action Items

Action Items for IART were reviewed as follows:

1. **Provide AFCEE Ecological Risk Assessment that was performed at CS-19 – Ben** Gregson (IAGWSPO) to ask Robert Gill (AFCEE) for summary.

2. **Report on how far back in time the ASP records go and whether records are located off base as well as on base.** CPT Bill Myer (IAGWSPO) to check with Chris Churney (ACE).

3. **Guard to provide the ten sources of information (repositories) that were researched for military history as part of ASR.** Action item to be clarified. Ten sources to be provided in mailing.

4. **EPA to bring the IART's request for continued use of the private investigator to the Department of Justice.** Margery Adams (EPA) to request.

5. **Guard to report the status of the non-aqueous liquid that was detected at MW-164 to the IART.** Text will be provided relaying information.

6. **Guard to overlay the Air Mag data over the existing Central Impact Area map to see if the data corresponds with increased detections of RDX.** AMEC to provide.

7. **Guard to report whether the items that were shipped out of the ASP per EPA were actually shipped out.** Colonel Bailey (MAARNG) to respond.

8. **ACE to report on options to support the TOSC program.** ACE to respond.

9. **Guard to distribute the report regarding heavy metal contamination on German Training Ranges (Argon Labs, 1993).** Jane Dolan (EPA) to provide copy to Guard.

10. **A copy of the editorial from the May 6, 2001 Cape Cod Times about the issue of ecological receptors will be distributed in the next IART mailing.** Copy to be provided.

11. **The maps in the presentations at the IART meeting should be clear and readable.** Agreed.

12. **EPA to provide a summary of the information reviewed at Textron's attorney's office.** Ms. Dolan to provide.

13. **Guard to provide information on the vulnerability of the IAGWSP funding to Federal budget cuts.** Language reflecting that program budget is projected for 7 years; funding of the program is provided yearly and has been a top priority of the Army and Guard.

14. **June 26, 2001 IART agenda**:

- **A comprehensive CS-18 and CS-19 update by AFCEE**. Better for July IART per Todd Borci (EPA).
- **A review of the investigation of 1000 m berm at the J-1 Range.**
- **A water supply update**. At discretion of JPO.
- **IART groundrules and process**. List of people who have asked to be included on the team and list of people who have been asked to join team.
- **Summary of the Textron litigation by EPA.** Not an agenda item, will be provided in written form.
- **Ecological Risk Assessment process**. Handout to be prepared by MADEP.

Todd Borci (EPA) had requested that **Demo 1 Soil Report** and **Central Impact Area Screening Report** be presented at the June IART. Ms. Dolan suggested that these two topics as well as J-1 1000m Berm update and J-Range Response Plan Update could be included as part of the general Groundwater Update.

2. SUMMARY OF DATA RECEIVED

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

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

- Groundwater samples collected from 90LWA0007 had detections of 2,6-DNT, 2-nitrotoluene, 3-nitrotoluene, and 4-nitrotoluene that were not verified by PDA spectra. These constituents have not been validated as detections in previous samples collected from this well.

- Groundwater samples collected from 90MW0003 had a detection of 2-nitrotoluene that was not verified by PDA spectra. 2-Nitrotoluene has not been validated as a detection in previous samples collected from this well.

- Groundwater samples collected from 90MW0054 had a detection of RDX that was verified by PDA spectra. The concentration of RDX was approximately twice as high as previous detections in samples from this well.

- Groundwater samples collected from 90WT0004 had a detection of HMX that was verified by PDA spectra. HMX was detected in previous samples collected from this well in similar concentrations.

- The groundwater profile samples from MW-170 had detections of PETN (1 interval), nitrobenzene (1 interval), picric acid (5 intervals), 1,3-dinitrobenzene (1 interval), 3-nitrotoluene (2 intervals), 4-nitrotoluene (2 intervals), 2,6-DNT (2 intervals), 2A-DNT (1 interval), 2,4-diamino-6-nitrotoluene (2 intervals), and RDX (9 intervals). The 2,4-diamino-6-nitrotoluene detections and one RDX detection were verified by PDA spectra.

- The groundwater profile samples from MW-171 had detections of RDX at six intervals. The RDX detections were verified by PDA spectra.

3. DELIVERABLES SUBMITTED

Weekly Progress Update, May 7 – May 11, 2001 5/21/01

4. SCHEDULED ACTIONS

Scheduled actions for the week of May 28 include commence drilling of D1P-5 (MW-172), continue development and sampling of newly installed wells, and continue sampling Long Term Groundwater Monitoring 2001.

5. SUMMARY OF ACTIVITIES FOR DEMO 1

The Draft Soil Report is being prepared. Two additional downgradient well locations, D1P-5 and D1P-6, have been proposed and approved. Analysis of second round groundwater samples from newly installed wells is ongoing.

TABLE 2
SAMPLING PROGRESS
5/19/2001-5/25/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
0.G.0.00035.0.E	Rinsate 35 (auger)	05/21/2001	FIELDQC	0.00	0.00		
0.G.0.00036.0.E	Rinsate 36 (auger)	05/21/2001	FIELDQC	0.00	0.00		
0.G.0.00086.0.T	Trip Blank 86	05/21/2001	FIELDQC	0.00	0.00		
0.G.0.00087.0.T	Trip Blank 87	05/21/2001	FIELDQC	0.00	0.00		
0.G.0.00088.0.T	Trip Blank 88	05/23/2001	FIELDQC	0.00	0.00		
0.G.0.00089.0.T	Trip Blank 89	05/25/2001	FIELDQC	0.00	0.00		
0.G.0.00090.0.T	Trip Blank 90	05/25/2001	FIELDQC	0.00	0.00		
27MW0108AE	FIELDQC	05/23/2001	FIELDQC	0.00	0.00		
58MW0006EE	FIELDQC	05/22/2001	FIELDQC	0.00	0.00		
58MW0009CE	FIELDQC	05/24/2001	FIELDQC	0.00	0.00		
58MW0018AE	FIELDQC	05/25/2001	FIELDQC	0.00	0.00		
6.F.0.00002.3.D	Test Plot 6 Lift 3 Grid	05/21/2001	FIELDQC	6.00	9.00		
6.F.0.00010.4.D	Test Plot 6 Lift 4 Grid	05/25/2001	FIELDQC	9.00	12.00		
6.F.0.00012.3.D	Test Plot 6 Lift 3 Grid	05/21/2001	FIELDQC	6.00	9.00		
90MW0022E	FIELDQC	05/19/2001	FIELDQC	0.00	0.00		
90MW0080E	FIELDQC	05/19/2001	FIELDQC	0.00	0.00		
97-1E	FIELDQC	05/20/2001	FIELDQC	0.00	0.00		
G171DPE	FIELDQC	05/21/2001	FIELDQC	0.00	0.00		
HC05FAA3AAE	FIELDQC	05/25/2001	FIELDQC	0.00	0.00		
HD136A1AAE	FIELDQC	05/25/2001	FIELDQC	0.00	0.00		
SDW261160E	FIELDQC	05/24/2001	FIELDQC	0.00	0.00		
SDW261160T	FIELDQC	05/24/2001	FIELDQC	0.00	0.00		
W164M1T	FIELDQC	05/25/2001	FIELDQC	0.00	0.00		
W50M1T	FIELDQC	05/22/2001	FIELDQC	0.00	0.00		
W55M2T	FIELDQC	05/21/2001	FIELDQC	0.00	0.00		
3.D.1.00792.2.0	D.1.00792.O	05/22/2001	GAUZE WIPE	1.00	1.25		
3.D.1.00792.3.0	D.1.00792.O	05/22/2001	GAUZE WIPE	1.00	1.25		
3.D.1.00794.2.0	D.1.00794.O	05/25/2001	GAUZE WIPE	1.00	1.25		
3.D.1.00794.3.0	D.1.00794.O	05/25/2001	GAUZE WIPE	1.00	1.25		
3.D.1.00795.2.0	D.1.00795.O	05/25/2001	GAUZE WIPE	0.25	0.50		
3.D.1.00795.3.0	D.1.00795.O	05/25/2001	GAUZE WIPE	0.25	0.50		
3.D.1.00802.2.0	D.1.00802.O	05/25/2001	GAUZE WIPE	0.75	1.00		
3.D.1.00802.3.0	D.1.00802.O	05/25/2001	GAUZE WIPE	0.75	1.00		
3.D.1.00806.2.0	D.1.00806.O	05/25/2001	GAUZE WIPE	0.50	0.75		
3.D.1.00806.3.0	D.1.00806.O	05/25/2001	GAUZE WIPE	0.50	0.75		
5.C.1.00754.2.0	C.1.00754.O	05/23/2001	GAUZE WIPE	0.50	0.75		
5.C.1.00754.3.0	C.1.00754.O	05/23/2001	GAUZE WIPE	0.50	0.75		
5.C.1.00755.2.0	C.1.00755.O	05/23/2001	GAUZE WIPE	0.50	0.75		
5.C.1.00755.3.0	C.1.00755.O	05/23/2001	GAUZE WIPE	0.50	0.75		
5.C.1.00756.2.0	C.1.00756.O	05/23/2001	GAUZE WIPE	0.00	0.25		
5.C.1.00756.3.0	C.1.00756.O	05/23/2001	GAUZE WIPE	0.00	0.25		
5.C.1.00759.2.0	C.1.00759.O	05/23/2001	GAUZE WIPE	0.50	0.75		
5.C.1.00759.3.0	C.1.00759.O	05/23/2001	GAUZE WIPE	0.50	0.75		

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

TABLE 2
SAMPLING PROGRESS
5/19/2001-5/25/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
5.C.1.00760.2.0	C.1.00760.O	05/23/2001	GAUZE WIPE	0.50	0.75		
5.C.1.00760.2.D	C.1.00760.O	05/23/2001	GAUZE WIPE	0.50	0.75		
5.C.1.00760.3.0	C.1.00760.O	05/23/2001	GAUZE WIPE	0.50	0.75		
5.C.1.00761.2.0	C.1.00761.O	05/24/2001	GAUZE WIPE	0.75	1.00		
5.C.1.00761.3.0	C.1.00761.O	05/24/2001	GAUZE WIPE	0.75	1.00		
5.C.1.00762.2.0	C.1.00762.O	05/23/2001	GAUZE WIPE	0.50	0.75		
5.C.1.00762.3.0	C.1.00762.O	05/23/2001	GAUZE WIPE	0.50	0.75		
5.C.1.00763.2.0	C.1.00763.O	05/23/2001	GAUZE WIPE	0.25	0.50		
5.C.1.00763.3.0	C.1.00763.O	05/23/2001	GAUZE WIPE	0.25	0.50		
5.C.1.00764.2.0	C.1.00764.O	05/24/2001	GAUZE WIPE	1.00	1.25		
5.C.1.00764.3.0	C.1.00764.O	05/24/2001	GAUZE WIPE	1.00	1.25		
5.C.1.00766.2.0	C.1.00766.O	05/24/2001	GAUZE WIPE	0.25	0.50		
5.C.1.00766.3.0	C.1.00766.O	05/24/2001	GAUZE WIPE	0.25	0.50		
5.C.1.00768.2.0	C.1.00768.O	05/24/2001	GAUZE WIPE	0.25	0.50		
5.C.1.00768.3.0	C.1.00768.O	05/24/2001	GAUZE WIPE	0.25	0.50		
5.C.1.00769.2.0	C.1.00769.O	05/24/2001	GAUZE WIPE	0.50	0.75		
5.C.1.00769.3.0	C.1.00769.O	05/24/2001	GAUZE WIPE	0.50	0.75		
5.C.1.00770.2.0	C.1.00770.O	05/24/2001	GAUZE WIPE	0.25	0.50		
5.C.1.00770.3.0	C.1.00770.O	05/24/2001	GAUZE WIPE	0.25	0.50		
5.D.1.00758.2.0	D.1.00758.O	05/23/2001	GAUZE WIPE	0.25	0.50		
5.D.1.00758.3.0	D.1.00758.O	05/23/2001	GAUZE WIPE	0.25	0.50		
5.D.1.00765.2.0	D.1.00765.O	05/24/2001	GAUZE WIPE	0.25	0.50		
5.D.1.00765.3.0	D.1.00765.O	05/24/2001	GAUZE WIPE	0.25	0.50		
5.D.1.00767.2.0	D.1.00767.O	05/24/2001	GAUZE WIPE	0.50	0.75		
5.D.1.00767.2.D	D.1.00767.O	05/24/2001	GAUZE WIPE	0.50	0.75		
5.D.1.00767.3.0	D.1.00767.O	05/24/2001	GAUZE WIPE	0.50	0.75		
5.D.1.00771.2.0	D.1.00771.O	05/24/2001	GAUZE WIPE	0.00	0.25		
5.D.1.00771.3.0	D.1.00771.O	05/24/2001	GAUZE WIPE	0.00	0.25		
5.D.1.00773.2.0	D.1.00773.O	05/24/2001	GAUZE WIPE	0.25	0.50		
5.D.1.00773.3.0	D.1.00773.O	05/24/2001	GAUZE WIPE	0.25	0.50		
5.D.1.00773.3.D	D.1.00773.O	05/24/2001	GAUZE WIPE	0.25	0.50		
27MW0017A	27MW0017A	05/20/2001	GROUNDWATER	132.00	142.00	48.10	58.10
27MW0108A	27MW0108A	05/23/2001	GROUNDWATER	217.00	227.00	76.70	86.70
58MW0002	58MW0002	05/23/2001	GROUNDWATER	121.50	126.50	2.90	7.90
58MW0006E	58MW0006E	05/22/2001	GROUNDWATER	115.00	120.00	0.00	5.00
58MW0007C	58MW0007C	05/23/2001	GROUNDWATER	195.00	205.00	56.00	66.00
58MW0007E	58MW0007E	05/22/2001	GROUNDWATER	134.00	139.00	0.00	5.00
58MW0009C	58MW0009C	05/24/2001	GROUNDWATER	223.60	228.60	98.03	103.03
58MW0009E	58MW0009E	05/23/2001	GROUNDWATER	223.60	228.60	96.00	101.00
58MW0011D	58MW0011D	05/24/2001	GROUNDWATER	180.00	185.00	49.50	54.50
58MW0011E	58MW0011E	05/23/2001	GROUNDWATER	180.00	185.00	49.50	54.50
58MW0018A	58MW0018A	05/25/2001	GROUNDWATER	237.00	247.00	93.90	103.90
58MW0018B	58MW0018B	05/25/2001	GROUNDWATER	179.00	189.00	36.50	46.50
58MW0018C	58MW0018C	05/25/2001	GROUNDWATER	179.00	189.00	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
5/19/2001-5/25/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
90MW0022	90MW0022	05/19/2001	GROUNDWATER	111.00	116.00	72.10	77.10
90MW0080	90MW0080	05/19/2001	GROUNDWATER	139.00	144.00	87.40	92.40
90WT0013	90WT0013	05/20/2001	GROUNDWATER	95.00	105.00	0.00	10.00
95-6A	95-6A	05/19/2001	GROUNDWATER	175.00	185.00	145.70	155.70
95-6B	95-6B	05/19/2001	GROUNDWATER	114.00	124.00	88.90	98.90
95-6ES	95-6ES	05/20/2001	GROUNDWATER	38.00	48.00	0.00	10.00
97-1	97-1	05/20/2001	GROUNDWATER	73.50	83.50	52.60	62.60
97-3	97-3	05/20/2001	GROUNDWATER	87.00	97.00	48.50	58.50
SDW261160	SDW261160	05/24/2001	GROUNDWATER	152.00	162.00	9.87	19.87
W164M1A	MW-164	05/25/2001	GROUNDWATER	227.00	237.00	115.30	125.30
W164M2A	MW-164	05/25/2001	GROUNDWATER	157.00	167.00	45.30	55.30
W164M3A	MW-164	05/25/2001	GROUNDWATER	117.00	127.00	5.30	15.30
W164M3D	MW-164	05/25/2001	GROUNDWATER	117.00	127.00	5.30	15.30
W31MMA	MW-31	05/23/2001	GROUNDWATER	113.00	123.00	22.67	32.67
W35SSA	MW-35	05/22/2001	GROUNDWATER	84.00	94.00	0.00	10.00
W39M1A	MW-39	05/21/2001	GROUNDWATER	220.00	230.00	80.60	90.60
W45M2A	MW-45	05/22/2001	GROUNDWATER	110.00	120.00	15.40	25.40
W46M1A	MW-46	05/22/2001	GROUNDWATER	262.00	272.00	98.90	108.90
W46M2A	MW-46	05/21/2001	GROUNDWATER	215.00	225.00	51.70	61.70
W47M2A	MW-47	05/21/2001	GROUNDWATER	131.50	141.50	30.60	40.60
W47M3A	MW-47	05/21/2001	GROUNDWATER	115.00	120.00	14.20	19.20
W50M1A	MW-50	05/22/2001	GROUNDWATER	207.00	217.00	85.40	95.40
W52DDA	MW-52	05/21/2001	GROUNDWATER	369.00	379.00	213.20	223.20
W52M3A	MW-52	05/21/2001	GROUNDWATER	210.00	215.00	55.10	60.10
W53M1A	MW-53	05/21/2001	GROUNDWATER	224.00	234.00	0.00	10.00
W54M1A	MW-54	05/20/2001	GROUNDWATER	230.00	240.00	75.60	85.60
W54M2A	MW-54	05/22/2001	GROUNDWATER	210.00	220.00	7.60	17.60
W55M2A	MW-55	05/21/2001	GROUNDWATER	195.00	205.00	55.65	65.65
W55M2D	MW-55	05/21/2001	GROUNDWATER	195.00	205.00	55.65	65.65
W7M1A	MW-7	05/24/2001	GROUNDWATER	240.00	245.00	130.62	135.62
W7M2A	MW-7	05/24/2001	GROUNDWATER	170.00	175.00	60.62	65.62
DW052401	GAC WATER	05/23/2001	IDW				
PWPPC24MY1A	RRA CONTAINMENT	05/24/2001	IDW				
SWPPSUMP1A	RRA CONTAINMENT	05/24/2001	IDW				
SWPPSUMP2A	RRA CONTAINMENT	05/24/2001	IDW				
SWPPSUMP3A	RRA CONTAINMENT	05/24/2001	IDW				
G171DOA	MW-171	05/21/2001	PROFILE	144.00	149.00	141.35	146.35
G171DPA	MW-171	05/21/2001	PROFILE	154.00	159.00	151.35	156.35
G171DQA	MW-171	05/21/2001	PROFILE	164.00	169.00	161.35	166.35
G171DRA	MW-171	05/21/2001	PROFILE	174.00	179.00	171.35	176.35
G171DSA	MW-171	05/21/2001	PROFILE	184.00	189.00	181.35	186.35
G171DSD	MW-171	05/21/2001	PROFILE	184.00	189.00	181.35	186.35
3.D.1.00792.1.0	D.1.00792.O	05/22/2001	SOIL BRUSHING	1.00	1.25		
3.D.1.00794.1.0	D.1.00794.O	05/25/2001	SOIL BRUSHING	1.00	1.25		

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

TABLE 2
SAMPLING PROGRESS
5/19/2001-5/25/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
3.D.1.00795.1.0	D.1.00795.O	05/25/2001	SOIL BRUSHING	0.25	0.50		
3.D.1.00802.1.0	D.1.00802.O	05/25/2001	SOIL BRUSHING	0.75	1.00		
3.D.1.00806.1.0	D.1.00806.O	05/25/2001	SOIL BRUSHING	0.50	0.75		
5.C.1.00754.1.0	C.1.00754.O	05/23/2001	SOIL BRUSHING	0.50	0.75		
5.C.1.00755.1.0	C.1.00755.O	05/23/2001	SOIL BRUSHING	0.50	0.75		
5.C.1.00756.1.0	C.1.00756.O	05/23/2001	SOIL BRUSHING	0.00	0.25		
5.C.1.00759.1.0	C.1.00759.O	05/23/2001	SOIL BRUSHING	0.50	0.75		
5.C.1.00760.1.0	C.1.00760.O	05/23/2001	SOIL BRUSHING	0.50	0.75		
5.C.1.00761.1.0	C.1.00761.O	05/24/2001	SOIL BRUSHING	0.75	1.00		
5.C.1.00762.1.0	C.1.00762.O	05/23/2001	SOIL BRUSHING	0.50	0.75		
5.C.1.00763.1.0	C.1.00763.O	05/23/2001	SOIL BRUSHING	0.25	0.50		
5.C.1.00764.1.0	C.1.00764.O	05/24/2001	SOIL BRUSHING	1.00	1.25		
5.C.1.00766.1.0	C.1.00766.O	05/24/2001	SOIL BRUSHING	0.25	0.50		
5.C.1.00768.1.0	C.1.00768.O	05/24/2001	SOIL BRUSHING	0.25	0.50		
5.C.1.00769.1.0	C.1.00769.O	05/24/2001	SOIL BRUSHING	0.50	0.75		
5.C.1.00770.1.0	C.1.00770.O	05/24/2001	SOIL BRUSHING	0.25	0.50		
5.D.1.00758.1.0	D.1.00758.O	05/23/2001	SOIL BRUSHING	0.25	0.50		
5.D.1.00765.1.0	D.1.00765.O	05/24/2001	SOIL BRUSHING	0.25	0.50		
5.D.1.00767.1.0	D.1.00767.O	05/24/2001	SOIL BRUSHING	0.50	0.75		
5.D.1.00771.1.0	D.1.00771.O	05/24/2001	SOIL BRUSHING	0.00	0.25		
5.D.1.00773.1.0	D.1.00773.O	05/24/2001	SOIL BRUSHING	0.25	0.50		
6.F.0.00001.3.0	Test Plot 6 Lift 3 Grid	05/21/2001	SOIL GRID	6.00	9.00		
6.F.0.00001.4.0	Test Plot 6 Lift 4 Grid	05/25/2001	SOIL GRID	9.00	12.00		
6.F.0.00002.3.0	Test Plot 6 Lift 3 Grid	05/21/2001	SOIL GRID	6.00	9.00		
6.F.0.00002.4.0	Test Plot 6 Lift 4 Grid	05/25/2001	SOIL GRID	9.00	12.00		
6.F.0.00003.3.0	Test Plot 6 Lift 3 Grid	05/21/2001	SOIL GRID	6.00	9.00		
6.F.0.00003.4.0	Test Plot 6 Lift 4 Grid	05/25/2001	SOIL GRID	9.00	12.00		
6.F.0.00004.3.0	Test Plot 6 Lift 3 Grid	05/21/2001	SOIL GRID	6.00	9.00		
6.F.0.00004.4.0	Test Plot 6 Lift 4 Grid	05/25/2001	SOIL GRID	9.00	12.00		
6.F.0.00005.3.0	Test Plot 6 Lift 3 Grid	05/21/2001	SOIL GRID	6.00	9.00		
6.F.0.00005.4.0	Test Plot 6 Lift 4 Grid	05/25/2001	SOIL GRID	9.00	12.00		
6.F.0.00006.3.0	Test Plot 6 Lift 3 Grid	05/21/2001	SOIL GRID	6.00	9.00		
6.F.0.00006.4.0	Test Plot 6 Lift 4 Grid	05/25/2001	SOIL GRID	9.00	12.00		
6.F.0.00007.3.0	Test Plot 6 Lift 3 Grid	05/21/2001	SOIL GRID	6.00	9.00		
6.F.0.00007.4.0	Test Plot 6 Lift 4 Grid	05/25/2001	SOIL GRID	9.00	12.00		
6.F.0.00008.3.0	Test Plot 6 Lift 3 Grid	05/21/2001	SOIL GRID	6.00	9.00		
6.F.0.00008.4.0	Test Plot 6 Lift 4 Grid	05/25/2001	SOIL GRID	9.00	12.00		
6.F.0.00009.3.0	Test Plot 6 Lift 3 Grid	05/21/2001	SOIL GRID	6.00	9.00		
6.F.0.00009.4.0	Test Plot 6 Lift 4 Grid	05/25/2001	SOIL GRID	9.00	12.00		
6.F.0.00010.3.0	Test Plot 6 Lift 3 Grid	05/21/2001	SOIL GRID	6.00	9.00		
6.F.0.00010.4.0	Test Plot 6 Lift 4 Grid	05/25/2001	SOIL GRID	9.00	12.00		
6.F.0.00011.3.0	Test Plot 6 Lift 3 Grid	05/21/2001	SOIL GRID	6.00	9.00		
6.F.0.00012.3.0	Test Plot 6 Lift 3 Grid	05/21/2001	SOIL GRID	6.00	9.00		
HC05FAA3AAA	05FAA	05/25/2001	SOIL GRID	0.00	0.25		

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

TABLE 2
SAMPLING PROGRESS
5/19/2001-5/25/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD136A1AAA	136A	05/25/2001	SOIL GRID	0.00	0.50		
HD136A1BAA	136A	05/25/2001	SOIL GRID	1.50	2.00		
HD136B1AAA	136B	05/25/2001	SOIL GRID	0.00	0.50		
HD136B1BAA	136B	05/25/2001	SOIL GRID	1.50	2.00		
HD136B1BAD	136B	05/25/2001	SOIL GRID	1.50	2.00		
CMPGDNEWS	CMPGDNEWS	05/23/2001	SURFACE WATER	0.00	0.00		
SNKPNDBEACH	SNKPNDBEACH	05/23/2001	SURFACE WATER	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 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 5/5/01-5/25/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
90LWA0007	90LWA0007	05/15/2001	GROUNDWATER	92.00	102.00	0.00	10.00	8330N	2,6-DINITROTOLUENE	NO
90LWA0007	90LWA0007	05/15/2001	GROUNDWATER	92.00	102.00	0.00	10.00	8330N	2-NITROTOLUENE	NO
90LWA0007	90LWA0007	05/15/2001	GROUNDWATER	92.00	102.00	0.00	10.00	8330N	3-NITROTOLUENE	NO
90LWA0007	90LWA0007	05/15/2001	GROUNDWATER	92.00	102.00	0.00	10.00	8330N	4-NITROTOLUENE	NO
90MW0003	90MW0003	05/16/2001	GROUNDWATER	144.00	149.00	52.11	57.11	8330N	2-NITROTOLUENE	NO
90MW0054	90MW0054	05/17/2001	GROUNDWATER	107.00	112.00	91.17	96.17	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
90WT0004	90WT0004	05/13/2001	GROUNDWATER	35.00	45.00	0.00	10.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITI	YES
G170DAA	MW-170	05/14/2001	PROFILE	110.00	110.00	2.10	2.10	8330N	2,6-DINITROTOLUENE	NO
G170DAA	MW-170	05/14/2001	PROFILE	110.00	110.00	2.10	2.10	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G170DBA	MW-170	05/15/2001	PROFILE	120.00	120.00	12.10	12.10	8330N	2,6-DINITROTOLUENE	NO
G170DHA	MW-170	05/16/2001	PROFILE	180.00	180.00	72.10	72.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES*
G170DHA	MW-170	05/16/2001	PROFILE	180.00	180.00	72.10	72.10	8330N	PICRIC ACID	NO
G170DJA	MW-170	05/16/2001	PROFILE	200.00	200.00	92.10	92.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO*
G170DJA	MW-170	05/16/2001	PROFILE	200.00	200.00	92.10	92.10	8330N	PICRIC ACID	NO
G170DLA	MW-170	05/16/2001	PROFILE	220.00	220.00	112.10	112.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO*
G170DMA	MW-170	05/16/2001	PROFILE	230.00	230.00	122.10	122.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO*
G170DQA	MW-170	05/16/2001	PROFILE	270.00	270.00	162.10	162.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO*
G170DQD	MW-170	05/16/2001	PROFILE	270.00	270.00	162.10	162.10	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G170DQD	MW-170	05/16/2001	PROFILE	270.00	270.00	162.10	162.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO*
G170DTA	MW-170	05/17/2001	PROFILE	300.00	300.00	192.10	192.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO*
G170DUA	MW-170	05/17/2001	PROFILE	310.00	310.00	202.10	202.10	8330N	3-NITROTOLUENE	NO
G170DUA	MW-170	05/17/2001	PROFILE	310.00	310.00	202.10	202.10	8330N	4-NITROTOLUENE	NO
G170DUA	MW-170	05/17/2001	PROFILE	310.00	310.00	202.10	202.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO*
G170DUA	MW-170	05/17/2001	PROFILE	310.00	310.00	202.10	202.10	8330N	NITROGLYCERIN	NO
G170DUA	MW-170	05/17/2001	PROFILE	310.00	310.00	202.10	202.10	8330N	PICRIC ACID	NO
G170DVA	MW-170	05/18/2001	PROFILE	320.00	320.00	212.10	212.10	8330N	3-NITROTOLUENE	NO
G170DVA	MW-170	05/18/2001	PROFILE	320.00	320.00	212.10	212.10	8330N	4-NITROTOLUENE	NO
G170DVA	MW-170	05/18/2001	PROFILE	320.00	320.00	212.10	212.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO*
G170DVA	MW-170	05/18/2001	PROFILE	320.00	320.00	212.10	212.10	8330N	PICRIC ACID	NO
G170DWA	MW-170	05/18/2001	PROFILE	330.00	330.00	222.10	222.10	8330N	1,3-DINITROBENZENE	NO
G170DWA	MW-170	05/18/2001	PROFILE	330.00	330.00	222.10	222.10	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G170DWA	MW-170	05/18/2001	PROFILE	330.00	330.00	222.10	222.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO
G170DWA	MW-170	05/18/2001	PROFILE	330.00	330.00	222.10	222.10	8330N	PENTAERYTHRITOL TETRANITF	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

TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 5/5/01-5/25/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G170DWA	MW-170	05/18/2001	PROFILE	330.00	330.00	222.10	222.10	8330N	PICRIC ACID	NO
G171DEA	MW-171	05/17/2001	PROFILE	44.00	49.00	41.35	46.35	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G171DFA	MW-171	05/17/2001	PROFILE	54.00	59.00	51.35	56.35	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G171DGA	MW-171	05/17/2001	PROFILE	64.00	69.00	61.35	66.35	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G171DHA	MW-171	05/17/2001	PROFILE	74.00	79.00	71.35	76.35	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G171DIA	MW-171	05/17/2001	PROFILE	84.00	89.00	81.35	86.35	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G171DJA	MW-171	05/18/2001	PROFILE	94.00	99.00	91.35	96.35	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES

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

Groundwater Wells at MMR

LEGEND

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

0 0.5 1 Miles

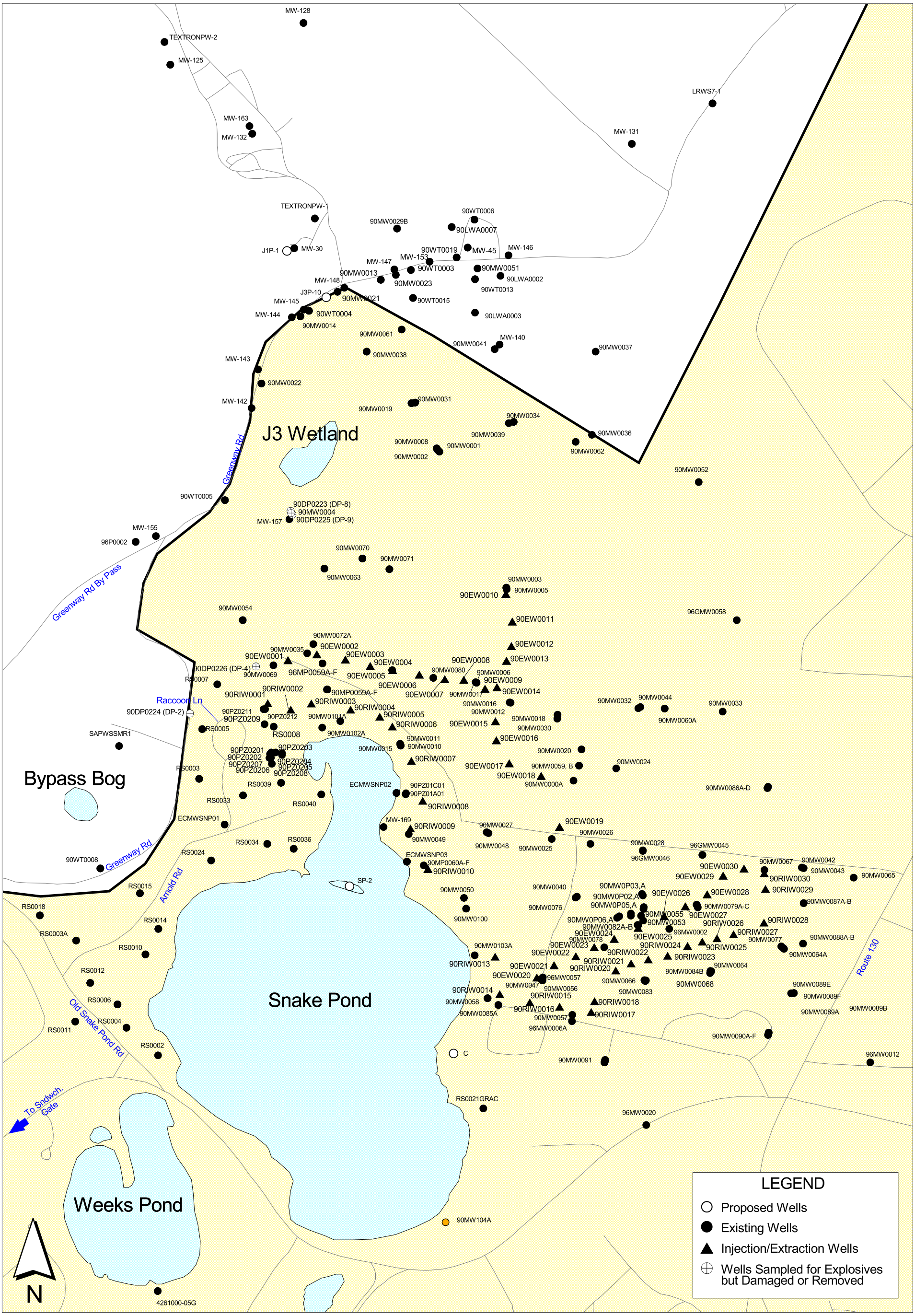
IAGWSP

See Inset A

N

J:\GIS\May2001\All_MMR_Wells.pdf
G:\MMR\MMR\arcVprj\all_wells.apr
May 23, 2001 PRC

Inset A



0 600 1200 Feet

J:\GIS\May2001\all_mmr_wells_inset_a.pdf
G:\MMR\MMR\arcVprj\concentbox.apr
May 23, 2001 PRC