MONTHLY PROGRESS REPORT #49
FOR APRIL 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 April 1 to April 30, 2001. Scheduled actions are for the six-week period ending June 8, 2001.

1. SUMMARY OF ACTIONS TAKEN

Drilling progress for the month of April is summarized in Table 1.

Table 1. Drilling progress for April 2001

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-162	Demo 1 well (D1P-3)	210	135	85.5-95.5 125.5-135.5 190.5-200.5
MW-164	J-1 Range well (J1P-5)	307	194	117-127 157-167 227-237
MW-165	Demo 1 well (D1P-4)	250	170	95-105 125-135 185-195
MW-166	J-1 Range well (J1P-7)	314	204	
MW-167	Phase IIb well (BA-1)	130	44	

bgs = below ground surface
bwt = below water table

Completed well installation on MW-162 (D1P-3), MW-164 (J1P-5), and MW-165 (D1P-4). Commenced and completed drilling MW-166 (J1P-7) and MW-167 (BA-1). Continued development of newly installed wells.

Samples collected during the reporting period are summarized in Table 2. Groundwater sampling continued for the first round of FS-12 Response wells and for newly installed wells. The 2001 Long Term Groundwater Monitoring Program commenced. Groundwater samples were also collected for the third round of Central Impact Area Supplemental Response wells. Groundwater profile samples were collected for MW-162 (D1P-3), MW-164 (J1P-5), MW-165 (D1P-4), MW-166 (J1P-7) and MW-167 (BA-1). Water samples were collected from the effluent of the granular activated carbon system and from the RRA containment pad. Soil samples were collected at former B, C, D, E, and K Ranges, GA/GB Range, the Gravity Anti-Tank Range, Demo Area 2, Inactive Demo Area, the Grenade Courts, the Cleared Areas, the J-1 Range bucket excavation, from drill cuttings of recently installed wells, at BIP grid craters on the J-1 and K Ranges, and at Stage 2 and 3 supplemental BIP grids in the MW-105 access road (P-19 drill pad).

As part of the RRA, soil samples were collected at Former H Range and Mortar Target 9.

Pre- and post-detonation soil samples were collected in the HUTA. As part of the HUTA investigation, soil and wipe samples were collected from UXORM in Test Pit 3 and debris in Test Pit 4 and Test Pit 6. Soil samples were also collected in the Test Pit 3, Test Pit 4, and Test Pit 5 areas.

The Guard, EPA, and MADEP had a meeting on April 5 to discuss technical issues, including the following:

CS-18 and CS-19 Updates

Dave Del Marco (Jacobs) provided an update on CS-18 and CS-19. A one-page handout was distributed.

- Continuing procurement process for UXO avoidance survey and subsurface sampling services for CS-19. Jacobs requested a meeting with the agencies to discuss the test pit soil disposition. EPA requested that they provide a letter summarizing the procedures prior to the next Technical Meeting.
- Continue recalibration of the groundwater model, which should be completed by 4/12/01 and presented at the next Technical Meeting (4/19/01).
- Received the Record of Environmental Consideration from the Army National Guard and NHESP.
- Scheduled to collect the "puddle" surface water and sediment samples on Friday, 4/6/01.
- Completed the three shallow subsurface soil borings and completed the UXO avoidance survey for the monitoring well locations at CS-18. Should begin drilling the monitoring wells on Monday 4/16/01. EPA asked if any UXO was found in the survey. Jacobs indicated that no UXO was found.

Water Supply Study Update

- Ben Gregson indicated that there was no new information on the water supply study but did indicate that during the pipeline trench excavation, approximately six 50 caliber bullets and one mortar fin were found. EPA requested a map showing their locations. USACE indicated that they would check with Foster Wheeler to see if they could produce the map.
- Mark Panni summarized his oversite of the pipeline construction. PID screened the excavation soil from the area of the FS-12 source area (L Range to the Top of the hill before the FS-12 treatment plant). Two screening locations had PID detections. The soil from these two locations was sent out for EPH and VPH analysis. The results of the analysis was ND, therefore a protective sleeve was placed on the pipeline and the excavated soil was placed back into the trench. EPA requested an update and schedule for the water supply study for the next Technical Meeting.

Munitions Survey Update

Larry Hudgins (Tetra Tech) presented the update concerning the HUTA, the J-Range, and the Air Mag investigations. A two-page handout was distributed.

- HUTA Test Pit #1 is completed.
- HUTA Test Pit #2 excavation is complete and currently being backfilled
- HUTA Test Pit #3 surface geophysics is completed, excavating anomalies by hand, and sampling is ongoing.
- HUTA Test Pit #4 excavation of lifts 1A, 1B, 1C, and 1D are completed, geophysics completed on lift 2 and hand excavation of anomalies is ongoing, and six BIPs will be done on 4/5/01.

- HUTA Test Pit #5 road building and engineering controls being scheduled.
- HUTA Test Pit #6 lifts 1A and 1B have been excavated and geophysics completed on lift 1C with hand excavation ongoing.
- Geophysical survey field work of the J1, J2, and J3 ranges is complete. Evaluating the preliminary data sets on J1 and J2. Awaiting data set on the J3 Range. Their plan is to have the presentation on the J-2 Range on April 18th and the J1 and J3 Ranges on June 15th. EPA indicated that they thought that the ground geophysics maps were done for the J1 and J2 Ranges and that they should not have to wait until June to see the J1 presentation. It was agreed that the J1 Range presentation will tentatively be done in mid May.
- Air Mag data on all areas is being processed with available cultural targets being annotated. Target selections has been provided by the subcontractor and is being reviewed by Tetra Tech. The Final draft report received for Tetra Tech review. Prepared technical approach and briefed NGB and COE on ground-truthing of anomalies. Further screening and filtering of anomalies is ongoing for subsequent ground-truthing.
- Depleted Uranium data being analyzed by contract laboratory and awaiting results and data validation. Draft Table of Contents prepared IAW COE Data Item Descriptions.

Rapid Response Action Update

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

- Water management continues at the containment pad pending relocation of retained soil stockpiles from processing area to soil receiving area.
- Relocation of retained soil stockpiles to receiving portion of containment pad scheduled for the week of 4/9/01.
- Received partial data set from Former H Range delineation sampling. The partial data set and sketch of the grids were distributed. EPA asked if there was a space between the grids as shown in the sketch. Scott indicated that there was a 16-foot space between the two areas and that it would be excavated. EPA asked that the location of the lead bullets and their depths be added to the next map. EPA asked if there was evidence of a berm in the area. Scott indicated that it appears that they fired into the hillside and that the grids cover the toe of the hill.
- Delineation soil sampling summary report is scheduled to go to the agencies around 4/19/01. Grains Sizing Analysis for Soil Washing Process Confirmation/Optimization Summary to agencies around 4/27/01.

Groundwater Study

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

- Completed well installation of MW-163 (J3 detonation pit/burn area) last week. Completed drilling of MW-162 (D1P-3) and commenced drilling of MW-164 (J1P-5) this week. Will need to select screens for MW-162 on Friday. Complete well installation of MW-163 and MW-164; and commence drilling of D1P-4 and J1P-7 next week.
- Resampled 90PZ0204 for perchlorate this week and will continue groundwater sampling on newly installed wells next week. Still waiting for access from property owner to sample 90PZ0211 and 90PZ0208.
- Completed UXO avoidance at the Gravity Range, Former K Range, Inactive Demo, and Demo 2 soil grids this week. Next week will continue avoidance on Phase IIb grids. 3.5 inch rocket located during the reconnaissance at the former K Range is still in place and located approximately 5-feet from the D soil grid.
- Complete former K Range, Inactive Demo, and Demo 2 soil grids this week. EPA requested that when the set of data from the K Range soil sampling results are in that they be reported

at the Tech meeting. Commence former SAR (B, C, and D) and the grenade courts next week.
- No vegetation removal this week. The D1P-4 drill pad (2,800 sq.ft) and J1P-7 pad and access road (4,450 sq.ft) next week.
- An email earlier in the day on the J-1 Range trench sampling plan was distributed. The message outlined the collection of one composite sample from the pile of excavated visibly clean soil pile, one composite sample from the visibly dirty soil pile, and 5 composite samples from the floor and walls of the excavation. EPA requested that two composite soil samples be collected for the visibly dirty soil pile and that each composite sample consists of 3 to 5 grab samples. It was also agreed to put the samples on a 2-week turn around time and that the samples would be analyzed for explosives, metals, VOC, SVOC, pest/PCB, and herbicides. Backfill would be based on results of all analyses.

Document /Schedule Status Update

Marc Grant (AMEC) provided the update on document and schedule status, distributing a one page table, one page chart, and a table outlining the scheduling issues.
Comments on the schedule:
- Demo 1 - need to resolve soil COCs. EPA expects to distribute comments tomorrow 4-6-01.
- Central Impact Area - no change from last week; expecting to submit draft soil report on original approved schedule per last week's discussion though it will not include complete HUTA data.
- J-2 Range - Guard proposes to submit an MOR to capture agreements reached at 4-4-01 site walk and allow scoping of additional delineation work.
- Gun/Mortar - still showing COC report by 4-10 as agencies did not agree to suggestion made last week to wait for resolution of Demo 1 COCs. EPA indicated they do favor waiting for resolution since many of the same issues there are commenting on for Demo 1 would apply to the Gun/Mortar positions. Guard indicated they will consider a new date for submittal.
- Dates were added to the table for RRA reports (delineation report should be 4-19, not 4-17).

Miscellaneous
- EPA requested written response to Jane Dolan's 3/22/01 e-mail on Snake Pond wells sampled for perchlorate.
- EPA requested that the Guard proceed with work on the 8321 dyes as discussed between the Guard and EPA earlier in the week.
- EPA requested an update on 8321 full scan analysis. AMEC indicated that data evaluation is expected within 1 week and should be ready for the Tech Meeting on the 4/19.
- EPA indicated that as part of the ASR, military history and the Picatinny DTRA were due in March. Tetra Tech indicated they would check on the status and get back to EPA today.
- EPA asked if the Demo 1 dioxin results were distributed to everyone. Corps indicated that they will go out to everyone.
- EPA indicated that they are reviewing the LTM plan. Guard requested agencies provide a list of wells that they agree on by 4/16/01 to allow scoping and sampling to begin in April. It was suggested the agencies and Guard have a meeting on 4/18/01 to discuss the plan.
- EPA reviewed what was going to be included at the meetings on 4/19/01: the PCN sampling discussed during the Tech Meeting, J-2 ground mag results during the meeting, and the Central Impact Area resolution would be after the Tech meeting.

A discussion of the HUTA between the Guard, EPA, and the Corps followed the Tech meeting. After the HUTA meeting there was a discussion on the Demo 1 Initial Screening of Alternatives Report (specifically EPA's General Comment 1).

There was no technical meeting held the week of April 9 – April 13.

The Guard, EPA, and MADEP had a meeting on April 19 to discuss technical issues, including the following:

Demo 1 Area

John Rice (AMEC) led the discussion on screen selection for MW-165 (D1P-4). A one page summary of profile data results was distributed.

- Well screens at 25-35 bwt (above explosive detections), 50-60 bwt (highest RDX detections), and 105-115 bwt (below explosive detections) were proposed by Todd Borci (EPA) requested well screens at 15-25 bwt; 45-55 bwt, and 105-115 bwt for the same reasons. Mr. Borci's screen selections were accepted by the Tech team.
- Marc Grant (AMEC) indicated that allowing for well development and sampling time and a rush analysis (2 week tat), Perchlorate results for MW-165 would be available in approximately 4-5 weeks.
- Discussion ensued on the location of additional wells to define the downgradient extent of the explosives plume at Demo 1. Mark Applebee (AMEC) pointed out that the plume was slightly off (south) of the model-predicted track. It was generally agreed that 2 wells at a minimum were needed. Mr. Borci proposed placing one well south of MW-165 along Frank Perkins Road (southern plume boundary) and one well west and directly downgradient of MW-165 on Pew Road. The Guard agreed to consider these locations. Mr. Borci further requested that the Guard try to install these wells on a fast-track in order to meet the current schedule of deliverables for Demo 1.

ASR Update

Carla Buriks (Tetra Tech) led the discussion on the ASR update. A one page handout was distributed.

General Management/Communication

- Provided revised, draft-final communications plan on 4/5.
- Developed a list of documents that have been submitted to the ASR team for review and comment. As no additional comments have been received, recommend finalization of these documents. LTC Knott (NGB) suggested that Ms Buriks send an email requesting confirmation of no further comments to principals on the ASR team.

U.S. Army Corps of Engineers - Rock Island

- Currently tabulating Ammunition Supply Point (ASP) records that were retrieved from MMR. Compiling information on (1) individual ammunition types, the dates of ammunition issue, units ammunition was issued to, and how much of this ammunition was used/fired at Camp Edwards (2) completed tables for pyrotechnics, demolition materials, chemical materials, mines, and mortars and (3) remaining tables include artillery, grenades, anti-tank rounds, and small arms ammunition. Chris Churney (ACE) indicated that the small arms ammunition tables would take at least a couple more months. LTC Knott suggested that the NE Corps could be contacted for help with this effort if needed.
- Continuing data compilation and review for revised ASR

Follow-on Interviews

- Completed a revised table summarizing information collected during interviews of Witness #17 through Witness #24; this table was distributed to the IART.

- Revised the draft interview report presenting interview findings through January 2001 to incorporate EPA comments made during the ASR update call on 3/8.
- Provided modified interview summary for Witness #17 to NGB; dates of employment/ names of past employers were removed. Requested by citizens at IART meeting.
- At NGB's request, the follow-on interviews task will be closed

Military History Research

- Preparing a draft report outlining military research findings through January 2001. This draft report will be provided to NGB for review and comment by 4/20.

Contracts Research

- Conducted file reviews for three consecutive weeks at Picatinny Arsenal; developing a memorandum summarizing findings to be provided to the Guard on 4/20. The information reviewed did not provide many specifics, but people and test report documents are identified in the contracts. The locations where the tests were completed are not routinely identified.
- NGB received a response from DTRA (formerly, the Defense Nuclear Agency) stating that no records were identified in response to the information request sent to this entity.
- Supported NGB in providing information for an information request letter for Textron; this request is being coordinated through NGB legal and AFCEE legal. Jane Dolan (EPA) indicated that she has planned a file review at Textron offices also.
- Prepared a memorandum regarding the documents obtained from LTC Crivello.
- Originally a contracts lawyer was proposed to be used to review contracts, however, this is no longer viewed as necessary. Todd Borci (EPA) indicated that if any classified documents were anticipated the EPA could have an authorized individual review classified files.

GIS Integration

- Tt presented an update on the ASR Data Archive at the March IART. Survey forms were distributed to IART attendees requesting input on the GIS Data Archive. Two responses were received.
- Researched how to best obtain aerial photographs that were requested by EPA. A memorandum summarizing this research was provided to NGB on 4/18. Of photos that Mr. Borci requested, 1958 photo was obtained from the National Archives and a 1977 photo was obtained from Co East.
- Provided draft firing fan maps compiled for the ASR GIS Data archive to EPA representatives. These were provided as a www link to the data archive currently under development.

Schedule

- USACE work remains on schedule.
- Tt requests modification of military history research portion of the schedule to provide draft report to ASR team by 5/4; other Tt tasks generally progressing according to schedule.

CS-18 and CS-19 Updates

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

- Mr. Petersen has accepted another position; Ken Gaynor will be assuming his responsibilities at Jacobs.
- In the CS-18 area, groundwater profiling was completed at 16MW0005, AFCEE is awaiting the explosive results to determine screen intervals. Groundwater profiling was ongoing at the 16MW0006 location. Todd Borci (EPA) requested to be involved with selecting the screen intervals.
- Re-development of four existing on-site monitoring wells was completed.
- Ongoing schedule for CS-18 includes completing well installation, subsurface soil characterization and development of newly installed wells. Redeveloped wells will be

sampled at the same time as the new wells. Mr. Borci requested the data from the deep soil borings. Mr. Petersen to email.
- Well 90RIW0010, directly east of SP-2, is being converted into an extraction well.
- A pipeline is being installed from the area of 90RIW009 to 90EW003. Therefore, there is limited access to this area.
- Preparation activities continue for implementing the CS-19 Supplemental RI field work. Approved RECs require that restoration of sites be made with soil from inside the Impact Area and seed from the Bourne-side of the canal. This will be achieved by using grass cuttings from the base.
- Puddle sampling was completed on 4/9/01. This sampling was scheduled to be completed earlier, except that there was no puddle until 4/9.
- Recalibration of the groundwater model and modeling of particle tracks for new well locations is completed.

Water Supply Study Update

There was no new information on the water supply study.
- Mark Panni (MADEP) indicated that he had requested, but not received the analytical results from soil samples collected along the pipeline from Hap Gonser (JPO). LTC Bleakley (JPO) to check on.
- LTC Bleakley indicated that the plume map showing both IRP and IAGWSP MMR plumes would be completed 5/13. Todd Borci (EPA) requested that his written comments regarding the plume map be addressed.

Munitions Survey Update

Larry Hudgins (Tetra Tech) presented the update concerning the HUTA. Doug Lam (Tetra Tech) presented an overview of the technical approach for ground-truthing anomalies from the AIRMAG survey. Two, one-page handouts were distributed. A list of all items found in the HUTA was made available for interested parties.
- HUTA Test Pit #3 surface soil chemistry sampling is complete. Excavated most of the Lift 1A anomalies by hand.
- HUTA Test Pit #4 excavation of Lift 2 is complete. The geophysics of Lift 3 is complete. A 155mm was removed, but Lift 3 will not be removed. Subsurface soil sampling is complete on Lift 3 (6-9 ft depth). Awaiting analytical results to backfill Test Pit #4
- HUTA Test Pit #5 surface soil chemistry sampling is complete.
- HUTA Test Pit #6, the excavation of Lift 1C is complete. Geophysics of Lift 1C is complete, hand excavation of anomalies is ongoing. And should be completed 4/23.
- Todd Borci (EPA) indicated that the HUTA draft report was due on 5/18 and that the deadline was enforceable. Mr. Borci also requested cross-sections of the completed pits and a “ball-park” of what was being seen in Pits 5 and 6. Jane Dolan (EPA) requested that a summary of the HUTA chemistry data be presented at the next Tech meeting.
- For the ground geophysical survey, the initial statistics were provided to the ACE. A presentation of J-1 and J-3 Range results was scheduled to be presented 6/15.
- The data from the Depleted Uranium Study was received from the laboratory and is being validated. A Tech memo was being prepared for the ACE’s review by late May. Mr. Borci indicated that he wanted to review the data before the Tech memo was submitted.

Technical Approach for Selection of AIRMAG Targets for Groundbased Verification
- Total of 6,800 targets under review. Another order of magnitude of unscreened anomalies.
- Anomalies will be selected based upon those that may represent caches of UXO.
- Anomalies will be initially selected based upon Tetra Tech’s geophysical subcontractor

anomaly lists. These lists are prioritized with respect to calculated size and mass of detected objects.

- Tetra Tech geophysicists will review the first level list and determine which cultural anomalies (fence lines, vehicles, rails, etc), or known surface features that may cause an anomaly should be moved to a lower priority list. Targets that appear to be unrepresentative signals (unusual dipoles) will also be moved to lower priority. These targets may be eventually categorized, but Tt will assign them to a list as a low priority or no-ground-truthing-required category.
- Anomalies will then be ranked based upon proximity to roadways, access points, ranges, edges of ranges and so on. The distance investigated for the first priority list will be anomalies that are within 10 meters of access points. This ranking will be based upon the likelihood of potential convenient locations for disposal of munitions.
- All targets will be placed into a ranked spreadsheet (early May - 2 weeks from today). Maps will be prepared noting the location of a sufficient list of anomalies for ground truthing for two 2-person crews over a 5-day work period. Not all the targets identified in the ranking will be able to be verified during the 5-day test. Field work to start shortly after ranking prepared.
- Two 2-person crews (one UXO technician, one technical person) will perform the ground truthing during a period of 5 field days. Selected target coordinates data will be uploaded into the GPS datalogger units. The crew will use the GPS unit to locate the targets in the field, using drop down menus to verify coordinate location, site conditions, and report observations at the location that may be the cause of the anomaly. In addition, geological conditions, groundcover density, vegetation type and other site information will be recorded into the GPS datalogger. Features will be recorded in a standard field logbook, and all sites, regardless of site condition, will be documented using a digital camera.
- In addition to entry in logbooks, ground truth information will be annotated on airborne geophysical anomaly maps. This information will be transferred to electronic maps for archive purposes.
- Tetra Tech will provide a non-DID compliant letter report summarizing the Field Verification Process and data results. Tetra Tech will provide a map(s) with annotations noting which targets were the subject of this investigation, with a short description of any surface level cultural items. The National Guard Bureau and New England District Corps of Engineers will evaluate the findings of the ground truth investigation.
- Todd Borci (EPA) commented that he felt that verification crews should continue after 1st 5 day effort, although the 5-day effort is sufficient for the Phase I Munitions Survey. He further commented that crews should include geophysicists as well as EOD personnel. CPT Myer (IAGWSPO) indicated that the 5-day test truthing was being conducted so that the Guard could reassess before proceeding further, depending on what anomalies were found.

Rapid Response Action Update

Scott Veenstra (AMEC) presented an update of the RRA. A one-page summary with accompanying drawings and summary data of delineation sampling completed at the Former H Range and Mortar Target 9 was distributed.

- Relocation of retained soil stockpiles and carbon change out was completed 4/13. Water management continues at the containment pad.
- The Guard had received DEP approval of the RAM Plan modification 4/9.
- The complete data set was received for the Former H Range and Mortar Target 9 delineation sampling.
- Former H Range data show:
  - -Lead detected in 9 of 18 grids above RRA soil cleanup goal of 300 ppm.
  - -Lead detections require removal of 5 grids to 1 ft and 4 grids to 2 ft.

-Lead detections require sampling of up to 13 additional delineation grids.
-Bullets were discovered in grids 79I, ID, H, and HH.
-Dieldrin not detected in excess of RRA soil cleanup goal of 246 ppb.
-Dieldrin was detected in 9 of 18 grids above MCP RCS-1 of 30 ppb.

- Todd Borci (EPA) indicated that soil with detections of Dieldrin above the MCP RCS-1 did not need to be excavated.
- Approximately 400 cubic yards estimated volume of soil for removal Former H Range based on current data of lead exceedances.
- Former Mortar Target 9 data show:
  -TNT above RRA soil cleanup goal for 35 ft ring grid at 0-1.5 ft.
  -RDX above RRA soil cleanup goal at node 3 discrete sample at 0-0.5 ft.
  -TNT above RRA soil cleanup goal at node 7 discrete sample at 1-2 ft.
- Mr. Veenstra recommended that an alternate grid configuration be proposed for additional delineation around Target 9, since exceedances appeared to be distributed unevenly about the target. Mr. Borci requested a copy of the full data summary for Mortar Target 9 and adjacent Mortar Target 10. And further indicated that a discussion of additional delineation sampling could be conducted after review of the Delineation Report due to be submitted on or about 4/19.
- Discussion ensued on additional delineation sampling at Former H Range. LTC Knott (NGB) indicated that the first issue is that because the area is part of a Formerly Used Defense Site (FUDS site), the additional delineation could not be conducted under the Guard's contract. Mr. Borci indicated that nonetheless, under AO3, the Guard was under order to complete the RRA. Heather Sullivan (ACE) indicated that the Army Corps had current contracts in place that could be used to mobilize a consultant to perform the additional delineation sampling. The second issue was that the agreement with Camp GoodNews precluded any work after 6/1. Therefore, the RRA cleanup for the area would not be completed by this deadline due to the requirement for additional delineation sampling. Mr. Borci indicated that at a minimum the delineation should be completed by June 1st. Ms. Sullivan indicated that this was the ACE's intent and an extension request had been sent to EPA.
- Grain size analysis for the soil washing process confrimation/optimization summary will be submitted to the agencies on or about 4/27. Completion of Work Report for RRA Group 1 efforts will be submitted to the agencies on or about 5/01.

Groundwater Study

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

- Installation of monitor well MW-162 (D1P-3) was completed last week. Installation of MW-164 (J1P-5) and MW-165 (D1P-4) will be completed this week. Commenced drilling of MW-166 (J1P-7) this week and will commence drilling of MW-167 (BA-1) next week.
- Groundwater sampling of the newly installed wells is ongoing.
- UXO avoidance was continued at Former D Range, the Grenade Courts, Cleared Areas, SAR and GA/GB over the last 2 weeks. Next week UXO avoidance will be continued at PhaseIIb locations.
- Soil sampling of SAR, Grenade Courts, former E Range, the Cleared Areas, GA/GB and supplemental BIP at the J-1 Range was conducted over the last 2 weeks. Next week soil sampling will continue at the SAR and the Cleared Areas.
- Last week, vegetation removal at D1P-4 drill pad was 2,800 square feet. This week vegetation removal was 4,450 ft at the J1P-7 drill pad and 110 ft of access road. No vegetation removal is scheduled for next week.

- The following data tables were distributed: 1) New Detects - Unvalidated. 2) Stage II Supplemental Grid. The new detect data showed volatile and explosive detections (PDA confirmed) in water samples collected at the water table from borings drilled around the septic tank located at the J-3 Range melt pour facility. There was also an RDX detection in MW-153M1 that was similar to the profile results seen at this location. There were no detections in the supplemental BIP grid sampling.
- During the punchlist discussion, Heather Sullivan (ACE) indicated that the property owner had denied access to drilling location SP-2 on the spit in Snake Pond. Lance Ambrose (County Commissioner) has offered to speak with the property owner and will get back with Mike Minior (AFCEE) regarding access to property.
- Ben Gregson (IAGWSPO) presented an alternate location for SP-2, in the event that the permission can not be obtained for the spit location. The alternate location is in the middle of the culdesac at the end of Arnold Road. Mr. Gregson indicated that this location affords ready access, meets the needs of the AFCEE program of being a clean point beyond the capture of the FS-12 extraction system, is directly downgradient of 90MW0054 which has perchlorate/RDX detections, and allows for the use of a conventional drill rig which has a better rate of success than the geoprobe rig. This is the closest location to the shore of Snake Pond in this area because of a steep grade further east. Mark Panni (MADEP) inquired as to what was lost with the new location. Mr. Gregson indicated that the original location is directly downgradient of 90MW0101A and is right on the edge of the FS-12 Extraction system capture zone. However, the alternate location provides data further to the west. Jane Dolan (EPA) pointed out that the spit location was directly downgradient of the particle tracks in this area. Len Pinaud (MADEP) indicated that he would ask MADEP's hydrogeologist to look at the alternate location.
- Ben Gregson (IAGWSPO) distributed copies of the data from waste characterization samples collected and analyzed by Clean Harbors from buckets excavated at the J1P-6 drill pad at J-1 Range. A volatile compound was detected in one bucket sample that was thought to be a paint-related. Low levels of barium and cadmium were detected in some soil samples. The buckets have been placed in drums. Analytical results from soil samples collected by AMEC in the excavation are expected in approximately one week. Mr. Gregson proposed that if no positive results were seen in soil samples, the trench be backfilled with the excavated soil and that the proposed well (J1P-6) be installed in this location.
- During the punchlist discussion, Jane Dolan (EPA) inquired about sampling dates for perchlorate in wells within the FS-12 area; a schedule was not included in the Guard's response to EPA's March 22 email. Ms. Dolan further requested that 90EW0002 should be samples regardless of results for the piezometers unless another suitable well is located nearby.

Document /Schedule Status Update

Marc Grant (AMEC) provided the update on document and schedule status, distributing a one page table, the 3-month Lookahead Schedule, and a table outlining the scheduling issues. Highlights of the document/schedule status were reviewed as follows:

- TM 01-5 Demo 1 GW FS Screening Report. The Guard was seeking approval of the MOR. Len Pinaud (MADEP) indicated that state comments will be provided on this document and the TM 01-6 Central Impact Area GW Report.
- J-2 Additional Delineation Work Plan. An MOR was expected shortly on this document based on the 4/4 site visit.
- Gun and Mortar Targets, Establish COCs. Todd Borci (EPA) indicated that he did not agree with the extension request for this document.
- Demo 1 Soil Report. This document was due today, but Mr. Borci agreed to relieve this

deadline although not to the requested date of 6/8. A formal letter addressing this request will be sent.
- The tan highlighted submittal dates in the Document Status table indicate documents where a request for extension of an enforceable deadline will be submitted. LTC Knott (NGB) was planning on sending a letter next week requesting extensions for these documents.
- New yellow highlighted submittal dates indicate enforceable milestones that have been delayed and for which a request for extension has been submitted.
- J13L Range Additional Delineation Report. Discussion ensued on whether the submittal date for this document (5/31) should be extended, given that only ½ of the J-3 Range data had been collected and analyzed. Dave Hill (IAGWSPO) expressed concern that similar to the J-2 Range investigation, additional delineation would be premature given that all the data was not available. Jane Dolan (EPA) suggested that additional delineation be concentrated on areas of contamination identified by available data, this would include the L Range and J-3 Range melt pour area, detonation pit, and warhead test area, according to the current schedule of 5/31. Work plans for further sampling could likely occur after submittal of the draft report.

Resolution meeting for TM 01-6, Central Impact Area Groundwater Report and presentation of preliminary J-2 Range geophysical data followed the Tech meeting. Inspection of the ASP and a site visit to GA/GB followed the resolution meeting for TM 01-6.

EPA convened a meeting of the Impact Area Review Team on April 24, 2001. Topics discussed during the meeting included the Small Arms Range Risk Assessment, Groundwater data from the Southeast corner of the J Ranges, and update of the June 1999 IAGWSP Fact Sheet. The tentative date for the next meeting is May 22, 2001.

The Guard, EPA, and MADEP had a meeting on April 26 to discuss technical issues, including the following:

CS-18 and CS-19 Updates

Dave Del Marco (Jacobs) provided an update on CS-18; Ken Gaynor (Jacobs) provided an update on CS-19. A one-page handout was distributed.
- At CS-18, groundwater screening was completed at both the 16MW0005 and 16MW0006 well locations. There were no detections of explosives. There were detections of TCE and PCE < 2.5 ug/L at 16MW0005. Well screens were set at the water table at both locations. A second well screen was set in 16MW0005 from 164-169 ft bgs to quantify VOC detections.
- Soil sampling for lithologic characterization was completed for 16MW0005; currently advancing borehole for lithologic samples at 16MW0006.
- Three of four existing wells at the CS-18 site were developed.
- Upcoming work at CS-18 includes developing the three new wells and redeveloping the remaining existing well; sampling 7 monitor wells; and completing the particle backtrack from 16MW0005.
- At CS-19, trench sampling is expected to start 5/14. Disposition of trench soil will be discussed at the next IRP tech meeting to be held 5/3. Trench location field survey will be completed today, 4/26. Trenches include one 100 ft-long trench and two 40 ft-long trenches, located in the area of the greatest historical UXO anomaly registration.
- Locations of downgradient monitoring well locations will be proposed at the 5/3 IRP tech meeting and the IAGWSP tech meeting. Mike Jasinski (EPA) requested that he be provided with the particle tracks prior to the meeting.

- A breakout session with Todd Borci (EPA) will be conducted to review trenching IDM waste management plan.
- Mr. Borci requested a schedule for trenching and well installation, and groundwater sampling once the new monitoring wells were installed. Mr. Gaynor to provide.
- Mr. Borci also requested information on the progress of installation and split sampling being conducted at IRP well location 82MW0001, located near the Campbell School and former ASP. Marc Grant (AMEC) to check.

Water Supply Study Update

No update was provided.

Munitions Survey Update

John Consoletti (Tetra Tech) presented the update concerning the HUTA. Doug Lam (Tetra Tech) presented the update concerning the J-Range geophysical investigations and AIRMAG survey. Larry Hudgins (Tetra Tech) presented the update concerning the DU Study. A one-page handout was distributed.

- Since last week, additional work was completed only at HUTA Test Pit #6. Lift 1C was excavated. Geophysics was completed on Lift 1D; hand excavation of anomalies is complete. Two BIPs will be completed tomorrow 4/27.
- An overview of the technical approach and initial statistics for the ground geophysical survey at the J-2 Range has been provided to the ACE. Target picks on grids selected by Jane Dolan (EPA) will provided within the next two weeks. Data was just received for J-1 Range; J-3 Range data has not been received yet. Data for these two ranges is slated for presentation on 6/15.
- AIRMAG data has been reprocessed to eliminate noise. The technical approach for ground-truthing was submitted to ACE. Black Hawk targets are being ranked. This list will be provided to the ACE next week.
- Data from the Depleted Uranium survey has been validated; there were no detects above background. A Tech Memo summarizing the data will be presented to ACE in late May.

Rapid Response Action Update

Katy Weeks (AMEC) presented an update of the RRA.

- Water management continues pending the completion of a diversionary structure and one more confirmation sample in collected pad runoff.
- RRA Mortar Target 9 and Former H Range draft Soil Contamination Delineation Report was submitted to the agencies on 4/20.
- Grain Size Analysis for the Soil Washing Process Confirmation/Optimization summary is due Monday, 4/30. Completion of Work Report for RRA Group 1 is due to agencies 5/01.
- Upcoming activities include contracting for UXO clearance, soil removal, and site restoration at Mortar Target 9.

Groundwater Study

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

- Installation of monitor well MW-166 (J1P-7) and MW-167 (BA-1) will be completed this week. Screen selections for MW-166 followed the tech meeting (15-25 ft bwt, 40-50 ft bwt, 108-113 ft bwt). Screen selections for MW-167 will probably be conducted tomorrow, 4/27.
- Next week, may commence drilling K Range well (however, location has not been finalized). Other possible wells left to drill include J1P-6 and SAR well. Todd Borci (EPA) indicated that discussions later in the Tech meeting should finalize K Range and other locations.

- Commenced May LTM groundwater sampling round, third sampling round of supplemental Impact Area Response wells, and sampling of newly installed J Range Wells. Sampling of the LTM round wells and new J-Range wells will continue next week.
- UXO avoidance was continued at the GA/GB, Cleared Area 4, and Former C Range grids this week. Next week, UXO avoidance will be continued at J-3 Range locations.
- No vegetation removal was conducted this week; vegetation removal may be conducted for the K Range well location next week.
- The following data table was distributed: 1) Post Detonation Soil Sample and Stage III Supplemental Grid. Plan view maps showing the BIP grids relative to the BIP crater for last week's results for the J1 Range BIP and this week's P-19 Drill Pad 105mm round BIP. The table showed confirmed detections of TNT, HMX and RDX for the supplemental P-19 BIP grid at 0-3 inches. Because this is the third sampling grid, it may be possible that the detections reflect residual contamination from a source other than the BIP. The need for additional sampling will be discussed with the Guard/ACE.
- Marc Grant (AMEC) indicated that the explosive analysis for trench soil samples and stock pile soil samples at the J1P-6 trench were non-detect. The results for the other analyses are expected Friday or Monday.
- Old Snake Pond Road residence well has not been sampled. Samples will be split with AFCEE for explosive and perchlorate analysis. Sampling schedule is not known, but is being coordinated with AFCEE - may be a permission issue.
- Len Pinaud (MADEP) inquired about sampling of other residential wells in the area. Car Lane well has been sampled and is non-detect. Thompson Lane residential wells were discussed. Ken Gaynor (Jacobs) offered to obtain information from the AFCEE database regarding what wells had been sampled in the past, well screens, etc. Mr. Pinaud to provide plan view and cross sections.
- Mike Jasinski (EPA) explained that the Wampanoag Tribe needed to be kept in the loop regarding drilling locations so that they could approve RECs. Mark Harding (Wampanoag Tribe representative) should be provided a chart of new wells that are going in as part of the REC process. Mr. Harding typically was able to provide feedback fairly quickly on proposed locations.

Priority List of Proposed Central Impact Area Wells

Jay Clausen (AMEC) led discussion of prioritization of drilling additional response wells to delineate the Central Impact Area Groundwater Plume. Todd Borci (EPA) suggested that wells be approved in blocks of four at a time. Mr. Clausen developed a list of 8 proposed wells for the first round, as follows:

1. Downgradient of MW-135 on Monument Rd.
2. Downgradient of MW-108.
3. Downgradient of MW-23.
4. North of MW-50 on Burgoyne near Bailey's Pond.
5. North of MW-96, 300-500 feet.
6. North of MW-113, Four Corners Area.
7. Between MW-22 and MW-135.
8. Between MW-135 and MW-110.

Mr. Borci agreed with four of these locations on this list in the following order: 6 (likely easiest access) , 5, 2, and 3. Two additional alternative locations Mr. Borci preferred included:

9. Southeast of MW-25, between MW-25 and MW-104 and just downgradient of targets.
10. Between MW-86 and MW-97 on Wood Road.

The Guard agreed to consider these locations.

Proposed Demo 1 Well

Marc Grant (AMEC) distributed a proposed location map for D1P-5.

- Map showed projected RDX plume boundaries up to Frank Perkins Road based on latest data.
- D1P-5 location was proposed to be at the southern edge of RDX plume.
- Perchlorate results are not available for MW-162, yet.
- Todd Borci (EPA) suggested that the REC be prepared for the current proposed D1P-5 location. This location could be adjusted north or south based on the Perchlorate results for MW-162.
- Mr. Borci requested that a proposed location for D1P-6 on Pew Road be presented next week.

Former K Range Well

Ben Gregson (IAGWSPO) led the discussion on the proposed monitor well location at the K Range.

- Preliminary soil sample results show two separate areas of detections. RDX and HMX were detected in one target area; HMX was detected in a separate target area.
- A well location downgradient of these areas of detections instead of at the source is proposed by the Guard.
- Todd Borci (EPA) indicated that Mike Ciaranca (MAARNG) had expressed concern regarding the extensive area of clearance (currently proposed 800 ft access road) for well and soil grids. Mr. Borci had explained that vegetation clearance would not be needed for the soil grids.
- Mr. Borci felt that the K Range well should be in a source area and that more soil quality data needed to be collected to select a well location.
- John Rice (AMEC) pointed out that installation of a well at one of the targets would require greater than 1,000 linear foot of roadway. Access roads to the former K Range had all been overgrown.
- Dave Hill (IAGWSPO) pointed out that regardless of the additional soil data, a well could be installed either at one source or downgradient of the general source areas. A downgradient well had the advantage of monitoring the general area of detections downgradient of the targets to see if there was a larger problem for the former K Range and it could be placed on Wood Road and therefore minimize vegetation removal.
- Mr. Rice indicated that the well was scoped to be a maximum 250 feet bwt - which would probably be to bedrock.
- Mr. Borci agreed with the proposed location, indicating that it had the additional appeal of being adjacent to the target area of another old range on the north side of Wood Road.

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:

- TM 99-5 Background Groundwater. Guard is waiting for USGS written comments. Todd Borci (EPA) indicated that the finalized document should reflect the USGS comments. Don Walter (USGS) to check with Dennis LeBlanc (USGS) on status of comments.
- TM 01-1 Soil Background Proposal. Letter proposing additional work has been sent to the agencies. A Workplan for collecting additional soil background data is being submitted to ACE and the Guard today.
- J-2 Additional Delineation Work Plan. Looking for approval of MOR.
- Demo 1 Establish Soil COCs. On hold.

- TM 01-8 J-2 Range Draft Report RCL. Sent out 4/24.
- TM 01-7 UXO Interim Screening Report. Mr. Borci indicated that this report has been received, future deadlines have been erased. EPA will set new deadlines when response to Report is prepared.
- 2001 LTGM Plan Appendix B. Appendix B and MOR will be sent out tomorrow.
- A possible extension request for the HUTA 1 Report was discussed. Later in the meeting it was agreed that this report would be completed in accordance with the approved schedule, using the data available to date. In a follow-up email, Ben Gregson (IAGWSPO) indicated that the Guard intended to send a letter to EPA requesting that the deliverable for 5/18 be considered an Interim Report.
- Extension approvals were received from EPA on yellow highlighted documents; the affected deadlines will change per the letter.
- J1J3L Range Additional Delineation Planning. Will submit letter detailing areas proposed to be included in 5/31 Work Plan.
- Phase IIb Schedule will be impacted by K Range delays unless want to separate that range out. Mr. Borci indicated that he would prefer to keep all Phase IIb sites together.
- Schedule for RRA Group 2 sites was removed. Issues remain unresolved on how Former H Range will be handled. Mr. Borci reaffirmed that delineation sampling should be progressing so that it can be completed by June 1st. Heather Sullivan (ACE) indicated that a Corps contractor can be on board to begin field work in early June. Len Pinaud (MADEP) suggested that following the tech meeting, Todd Borci (EPA), Ben Gregson (IAGWSPO) and Mr. Pinaud should talk to property owner about access feasibility after 6/1. Mr. Borci/Mr. Pinaud also felt that there should be restricted access to the Former H Range area by campers.
- Training Areas Investigation has been tentatively scheduled for a 13 week delay, based on receipt of comments from agencies in the near future.
- Phase IIb Investigations has been tentatively scheduled for a 10 week delay (2 weeks added for Former K Range delays). An official request won't be made until closer to the 6/18 deadline.

PCN Sampling Plan Discussion

Marc Grant (AMEC) led a discussion on the technical approach for PCN sampling.

- Todd Borci (EPA) indicated that the analytical method for PCNs per the Guard's 3/26 letter was acceptable, still waiting on input on the proposed risk-based DQO's.
- Jane Dolan (EPA) indicated that additional grids should be proposed in areas identified by PCN TICS but also in areas were presence of PCNs could be inferred from Pesticide analysis interferences. In addition to its use as an inert filler for mortar and artillery rounds, the data also indicated that Halowax may have been used in 2.36-inch and LAW rockets. There also may be additional comments on the data validation criteria once it is established.
- Two, one-page handouts that presented preliminary PCN Sampling Plans for Demo Areas 1 and 2 and the Central Impact Area were reviewed as examples to get the agencies approval on the technical approach.
- A letter format Work Plan was proposed with a separate attachment for each area targeted for sampling, including background. J-Range sampling would be included with the J Ranges Delineation Work Plans. PCN sampling in BIP areas would be added to the UXO sampling plan.
- The design of the sampling plan for Demo Areas 1 and 2 was based on the assumption that aerial dispersion of the inert filler out from a detonation crater is the most likely potential release mechanism. The standard 5 point square grids sampled at 0-3 inches would be used to assess PCNs in soil from the Demo Areas.

- The design of the sampling plan for the Central Impact Area was based on the assumption that the highest number of inert rounds would have been targeted in areas where the highest number of all rounds were found. The inert filler could be dispersed if impacted by an HE Round or blown in place. Therefore, as in Demo areas, aerial dispersion is the most likely release mechanism. A composite sample from a standard ring grid sampled at 0-3 inches would be used to access PCNs around Targets in the Central Impact Area.
- Mr. Borci and Ms. Dolan indicated that additional research on the use of inert rounds in the Central Impact should be conducted rather than assuming that the distribution of the inert round use would be the same as the active rounds.
- Ms. Dolan inquired as to why sampling had been limited to the 0-3 inch interval. Jay Clausen (AMEC) pointed out that the solubility of Halowax is extremely low, and that they would not be expected to readily infiltrate with rainwater into the soil. Herb Colby (AMEC) confirmed that some PCNs had been detected below 3 inches in the J-2 Range soil samples. Mr. Grant explained that the proposed sampling protocol primarily addressed the distribution of PCNs expected to result from aerial dispersion rather than leakage from an exposed/cracked round on the ground.
- Comparison would be done between results of proposed PCN analysis and SVOC TIC analysis to see if the SVOC TIC method was reliable for accomplishing preliminary screening of areas for PCNs.

Miscellaneous

- Jane Dolan (EPA) requested that two OB/OD areas identified by ASR Interview Witness #9 be added to the Phase IIb investigation. Witness #9 provided a map showing suspected locations of these areas.
- Ben Gregson (IAGWSPO) indicated that he, Ray Cottengaim, Mike Minior (AFCEE), and Don Mahoney had discussed right of entry issues with the property owner regarding the spit well, this week. Resolution of this issue was anticipated for today. John Rice (AMEC) indicated that the drill rig modified for installing this well was guaranteed to be ready by 5/8.
- Todd Borci (EPA) requested that a particle track be modeled for J1P-5 to see if it tracks near the northern extent of the Central Impact Area plume.
- Chris Johnson's (ACE) responsibilities will be assumed by Eli Kangas (ACE).
- John Conseletti (Tetra Tech) has accepted a position in Santa Barbara.

IART Debrief and Discussions on HUTA 1 followed the Tech meeting.

2. SUMMARY OF DATA RECEIVED

Validated data were received during April for Sample Delivery Groups (SDGs) 412, 513, 519, 527, 529, 530, 536, 538, 539, 542, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 558, 559, 560, 561, 563, 565, and 567 and PERC 001, 002, 003, 004, 005, 006, 007, 008, 012, and 015. These SDGs contain results for 1 soil grab sample from a UXO detonation crater; 378 groundwater samples from monitoring wells; 207 groundwater profile samples from wells MW-120, -139, -141, -142, -143, -144, -145 , -146, -147, -148, -149, -152, -153, and -154; 121 soil grid and/or grab samples from the J-1, J-3 and L Ranges; and 2 wipe samples from J-3 Range.

Validated Data

Figures 1 through 6 depict the cumulative results of groundwater analyses for the period from the start of the IAGS (July 1997) to the present. Each figure depicts results for a different analyte class:

- Figure 1 shows the results of explosive analyses by EPA Method 8330
- Figure 2 shows the results of inorganic analyses (collectively referred to as "metals", though some analytes are not true metals) by methods E200.8, 300.0, 350.2M, 353M, 365.2, CYAN, IM40MB, and IM40HG
- Figure 3 shows the results of Volatile Organic Compound (VOC) analyses by methods OC21V, 504, and 8021W
- Figure 4 shows the results of Semi-Volatile Organic Compound (SVOC) analyses by methods OC21B and SW8270
- Figure 5 shows the results of Pesticide (method OL21P) and Herbicide (method 8151) analyses
- Figure 6 shows the results of Perchlorate analysis by method E314.0

The concentrations from these analyses are depicted in Figures 1-5 compared to Maximum Contaminant Levels (MCLs) or Health Advisories (HAs) published by EPA for drinking water. The concentrations from Perchlorate analyses are depicted in Figure 6 compared to a safe exposure level (SEL) established by EPA. At present, neither EPA nor the MADEP have established an MCL or HA for perchlorate. A red circle is used to depict a well where the concentration of one or more analytes was greater than or equal to (GTE) the lowest MCL, HA, or SEL for the analyte(s). A yellow circle is used to depict a well where the concentration of all analytes was less than (LT) the lowest MCL, HA, or SEL. A green circle is used to depict a well where the given analytes were not detected. An open circle is used to depict an existing well where the analytes in question (for example, Explosives in Figure 1) have not yet been measured. Table 3 summarizes the detections that exceeded a MCL, HA, or SEL, sorted by analytical method and analyte, since 1997.

There are multiple labels listed for some wells in Figures 1-6, which indicate multiple well screens at different depths throughout the aquifer. The aquifer is approximately 200-300 feet thick in the study area. Well screens are positioned throughout this thickness based on various factors, including the results of groundwater profile samples, the geology, and projected locations of contaminants estimated by groundwater modeling. The screen labels are colored to indicate which of the depths had the chemical detected above MCLs/HAs/SELs. Generally, groundwater entering the top of the aquifer will move deeper into the aquifer as it moves radially outward from the top of the water table mound. Light blue dashed lines in Figures 1-6 depict water table contours. Groundwater generally moves perpendicular to these contours, starting at the center of the 70-foot contour (the top of the mound) and moving radially outward. The rate of vertical groundwater flow deeper into the aquifer slows as groundwater moves away from the mound.

The results presented in Figures 1-6 are cumulative, which provides a historical perspective on the data rather than a depiction of current conditions. Any detection at a well that equals or exceeds the MCL/HA/SEL results in the well having a red symbol, regardless of later detections at lower concentrations, or later non-detects. The difference between historical and current conditions varies according to the type of analytes. There are little or no differences between historical and current exceedances of drinking water criteria for Explosives, VOCs, Pesticides,

and Herbicides; the minor differences are mentioned in the following paragraphs. There are significant differences between historical and current exceedances of drinking water criteria for Metals and SVOCs, as described further below. There is no historical data available for Perchlorate.

Figure 1: Explosives in Groundwater Compared to MCLs/HAs

Exceedances of drinking water criteria for explosive compounds are indicated in three general areas:

- Demo Area 1 (wells 19, 31, 34, 73, 76, 77, and 114);
- the Impact Area and CS-19 (wells 58MW0001, 0002, 0009E, 0011D, 0016B, 0016C, and 0018B; and wells 1, 2, 23, 25, 37, 38, 40, 85, 86, 87, 88, 89, 90, 91, 93, 95, 98, 99, 100, 101, 105, 107, 111, and 113); and
- J Ranges and southeast of the J Ranges (wells 58 and 132 and wells 90MW0022, 90WT0013).

Exceedances of drinking water criteria were measured for 2,4,6-trinitrotoluene (TNT) at Demo Area 1 (wells 19S, 31S, and 31D), and for hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) at all of the locations listed above. One of the exceedance wells, 90WT0013, has had no detectable RDX in the last five sample rounds (1/99 to 11/00).

Demo Area 1 has a single well-defined source area and extent of contamination. The estimated extent of RDX exceeding the HA at Demo Area 1 based on the most recent groundwater measurements is indicated by a magenta concentration contour line on Figure 1 and the inset.

CS-19 is a site located in the Impact Area. Portions of CS-19 are currently under investigation by the Air Force Center for Environmental Excellence (AFCEE) under the Superfund program. Other portions of CS-19, and the remainder of the Impact Area, are under investigation by the National Guard Bureau. RDX has been measured in groundwater emanating from both CS-19 and the Impact Area. A magenta concentration contour line is used in Figure 1 and the inset to show the extent of RDX exceeding the HA in these areas. This extent is based on samples from monitoring wells and samples collected during the drilling process ("profile" samples). This extent also considers non-validated data, where the results have been confirmed using Photo Diode Array (PDA). Additional information regarding PDA is provided below under the heading "Rush (Non-Validated) Data". Currently it appears there are multiple sources of RDX in the Impact Area, including CS-19.

Concentration contours will be prepared for other areas, and refined for the above areas, when sufficient data are available. Studies are currently underway to better delineate the extent of contaminants in the Impact Area, which may include several separate sources. Studies are also underway at Demo 1 and the J Ranges and southeast of the J Ranges to evaluate the sources and extent of contaminants.

Figure 2: Metals in Groundwater Compared to MCLs/HAs

Exceedances of drinking water criteria for metals are scattered throughout the study area. Where two or more rounds of sampling data are available, the exceedances generally have not been replicated in consecutive sampling rounds. The exceedances have been measured for antimony, arsenic, cadmium, chromium, lead, molybdenum, sodium, thallium and zinc. None of the 11 antimony exceedances were repeated in consecutive sampling rounds, and only one

exceedance (well 50M1) was measured in year 2000 results. Arsenic (in well 7M1), cadmium (52M3), and chromium (7M1) each had one exceedance in a single sampling round in August-September 1999. One of three lead exceedances (ASP well) was repeated in another sampling round and neither of the other two lead exceedances (wells 2S and 7M1) were measured in year 2000 results. Thirteen of the 41 molybdenum exceedances were repeated in consecutive sampling rounds (wells 2S, 2D, 13D, 16D, 46M2, 52D, 52M3, 53M1, 53D, 54M2, 54S, 55D, and 57S). Molybdenum concentrations declined in 12 of these 13 wells. Eight molybdenum exceedances (wells 13D, 16D, 45S, 52D, 53M1, 57S, 57M2, and 81D) were observed in year 2000 results. Five of the 14 sodium exceedances were repeated in consecutive sampling rounds (wells 2S, 46S, 57M2, 57M1, and SDW261160). Five wells (90WT0010, 21S, 46S, 57M1, and 57M2) had exceedances in the year 2000 results; one well (145S) had exceedances in the year 2001 results. Seven of the 57 thallium exceedances were repeated in consecutive sampling rounds (wells 7M1, 7M2, 47M2, 52S, 52D, 54S, and 54M1). Eighteen wells (2D, 45S, 46M1, 47M3, 47M2, 48M3, 48D, 49M3, 50M1, 52S, 54S, 56S, 56M3, 57M2, 58S, 64M1, 83S, and 127S) had thallium exceedances in the year 2000 results; two wells (94M2 and 132S) had thallium exceedances in the year 2001 results. Zinc exceeded the HA in seven wells, all of which are constructed of galvanized (zinc-coated) steel.

The distribution and lack of repeatability of the metals exceedances is not consistent with a contaminant source, nor do the detections appear to be correlated with the presence of explosives or other organic compounds. The Guard has re-evaluated inorganic background concentrations using the expanded groundwater quality database of 1999, and has submitted a draft report describing background conditions. This draft report indicates that of the nine metals exceeding drinking water criteria, only molybdenum is potentially associated with the site. The population characteristics of the remaining eight metals were determined to be consistent with background.

Figure 3: VOCs in Groundwater Compared to MCLs/HAs

Exceedances of drinking water criteria for VOCs are indicated in three general areas: CS-10 (wells 03MW0007A, 03MW0014A, and 03MW0020), LF-1 (well 27MW0017B), and FS-12 (wells MW-45S, 90MW0003, and ECMWSNP02D). CS-10, LF-1, and FS-12 are sites located near the southern extent of the Training Ranges that are currently under investigation by AFCEE under the Superfund program. Exceedances of drinking water criteria were measured for tetrachloroethylene (PCE) at CS-10, for vinyl chloride at LF-1, and for toluene, 1,2-dichloroethane, and ethylene dibromide (EDB) at FS-12. These compounds are believed to be associated with the sites under investigation by AFCEE.

Figure 4: SVOCs in Groundwater Compared to MCLs/HAs

Exceedances of drinking water criteria for SVOCs are scattered throughout the study area. All exceedances of drinking water criteria for SVOCs were measured for bis (2-ethylhexyl) phthalate (BEHP), except for two locations in FS-12 (wells 45S and 90MW0003) which had exceedances for naphthalene, and well 41M1 which had an estimated level of 2,6-dinitrotoluene (DNT) that is equal to the HA. BEHP is believed to be largely an artifact of the investigation methods, introduced to the samples during collection or analysis. A detailed discussion of the presence of BEHP is provided in the Draft Completion of Work Report (7/98) and subsequent responses to comments. The theory that BEHP occurs as an artifact, and is not really present in the aquifer, is supported by the results of subsequent sampling rounds that show much lower levels of the chemical after additional precautions were taken to prevent cross-contamination during sample collection and analysis. Only three locations (out of 74) showed BEHP

exceedances in consecutive sampling rounds: 28MW0106 (located near SD-5, a site under investigation by AFCEE), 58MW0006E (located at CS-19), and 90WT0013 (located at FS-12). Subsequent sampling rounds at each of these three locations have had results below the MCL. Three wells (49S, 57M2, and 84D) have had a BEHP exceedance in the year 2000 results. Three wells (28M1, 142M1 and 142M2) have had a BEHP exceedance in the year 2001 results.

The 2,6-DNT detected at well 41M1 is interesting in that the explosive analysis of this sample by EPA Method 8330 did not detect this compound. The reporting limit under Method 8330 is much lower than the limit for the SVOC method. Well 41M1 was installed along the groundwater flow path downgradient from well 2M2, which has had RDX detected above the HA in the explosive analysis as indicated above. The 2,6-DNT detection at well 41M1 was in the second sampling round, and samples from this well did not have 2,6-DNT detected by either the SVOC method or the explosive method in the first, third, fourth, or fifth sampling rounds.

Figure 5: Herbicides and Pesticides in Groundwater Compared to MCLs/HAs

There was one exceedance of drinking water criteria for pesticides, at well PPAWSMW-1. A contractor to the United States Air Force installed this monitoring well at the PAVE PAWS radar station in accordance with the Massachusetts Contingency Plan (MCP), in order to evaluate contamination from a fuel spill. The exceedance was for the pesticide dieldrin in a sample collected in June 1999. This well was sampled again in November 1999. The results of the November sample indicate no detectable pesticides although hydrocarbon interference was noted. It appears from the November sample that pesticides identified in the June sample were false positives. However, the June sample results cannot be changed when following the EPA functional guidelines for data validation. The text of the validation report for the June sample has been revised to include an explanation of the hydrocarbon interference and the potential for false positives.

There was one exceedance of drinking water criteria for herbicides, at well 41M1. This response well was installed downgradient of the Central Impact Area, as indicated above (see discussion for Figure 4). The exceedance was for the herbicide pentachlorophenol in a sample collected in May 2000. There were no detections of this compound in the three previous sampling rounds in 1999, nor in the subsequent sampling rounds in 2000.

Figure 6: Perchlorate in Groundwater Compared to the Safe Exposure Limit (SEL)

Sampling and analysis of groundwater for perchlorate was initiated at the end of the year 2000 as part of the groundwater study program at Camp Edwards. EPA established a SEL for perchlorate of 4 to 18 parts per billion (ppb), since neither an MCL or HA has been established. At present, there are six exceedances of the SEL of 18 ppb for perchlorate. Detections that exceeded the SEL occurred at wells 31S, 31M1, 34M2, 77M2, and 114M2 in the vicinity of the Demolition Area 1 plume and in MW-13D at J-3 Range.

Rush (Non-Validated) Data

Rush data are summarized in Table 4. 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 profile samples, are typically conducted in this timeframe. Other types of analyses may be rushed depending on the proposed use of the data. The rush data have not yet been validated, but are provided as an indication of the most recent preliminary results. Table 4 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 4. 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 4, 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 4 includes the following detections:

- The groundwater profile samples from MW-162 had detections of RDX (1 interval), nitroglycerin (2 intervals), and picric acid (4 intervals). None of the explosive detections were verified by PDA spectra.

- The groundwater profile samples from MW-164 had detections of acetone (20 intervals), 1,1-DCE (1 interval), 2-hexanone (1 interval), chloroform (6 intervals), chloroethane (1 interval), chloromethane (2 intervals), MEK (12 intervals), toluene (1 interval), PETN (1 interval), 2,6-DNT (1 interval), 2A-DNT (2 intervals), 2,6-diamino-4-nitrotoluene (1 interval), nitrobenzene (2 intervals), nitroglycerin (8 intervals), picric acid (2 intervals), 3-nitrotoluene (2 intervals), HMX (2 intervals), and RDX (13 intervals). The 3-nitrotoluene, HMX, and RDX detections were verified by PDA spectra.

- The groundwater profile samples from MW-165 had detections of 4-nitrotoluene (1 interval), nitroglycerin (3 intervals), 3-nitrotoluene (1 interval), HMX (3 intervals), and RDX (13 intervals). The HMX and RDX detections were verified by PDA spectra.

- The groundwater profile samples from MW-166 had detections of acetone (20 intervals), MEK (3 intervals), chloroform (13 intervals), nitroglycerin (2 intervals), HMX (3 intervals) and RDX (15 intervals). The RDX and HMX detections were verified by PDA spectra.

- The groundwater profile samples from MW-167 had detections of tetryl (1 interval), trinitrobenzene (1 interval), dinitrobenzene (1 interval), 2,4-DNT (1 interval), 2,6-DNT (1 interval), 2A-DNT (1 interval), 2,4-diamino-6-nitrotoluene (1 interval), nitrobenzene (2 intervals), nitroglycerin (2 intervals), picric acid (4 intervals), 3-nitrotoluene (2 intervals), 4-nitrotoluene (2 intervals), TNT (1 interval) and RDX (2 intervals). The nitrobenzene and RDX detections were verified by PDA spectra.

- Water samples collected from the RRA containment pad on March 24 had detections of iron, manganese, zinc, and RDX. The RDX detection was verified by PDA spectra.

- Water samples collected from the RRA containment pad on March 27 had detections of aluminum, barium, boron, cadmium, calcium, iron, lead, manganese, nickel, potassium, sodium, zinc, and RDX. The RDX detection was verified by PDA spectra.

- A stage 3, supplemental BIP grid sample from the P-19 drill pad (near MW-105) had detections of TNT, RDX, and HMX that were verified by PDA spectra.

- A soil sample collected from 6-12 inches at grid AH at the former K Range (130AH) had detections of RDX and HMX that were verified by PDA spectra.

- Soil samples collected at grids HA and HB at Former H Range (79HA, 79HB) had detections of DDE, DDT, and/or Dieldrin and detections of lead. Lead concentrations in samples collected at 0-6 inches in these grids exceeded the RRA cleanup goal.

- Soil samples collected at grid HH at Former H Range (79HH) had detections of DDE, DDT, and Dieldrin and detections of lead. Lead concentrations in samples collected at 0-6 inches and 6-12 inches in this grid exceeded the RRA cleanup goal.

- Soil samples collected at grids HG, IB, and IE at Former H Range (79HG, 79IB, 79IE) had detections of DDE, DDT, and/or Dieldrin and detections of lead. Dieldrin concentrations in samples collected at 0-6 inches in these grids exceeded the RRA cleanup goal.

- Soil samples collected at grid IG at Former H Range (79IG) had detections of DDE, DDT, and/or Dieldrin and detections of lead. Dieldrin concentrations in samples collected at 6-12 inches in this grid exceeded the RRA cleanup goal.

- Soil samples collected at grids ID, IF, and IH at Former H Range (79ID, 79IF, 79IH) had detections of DDE, DDT, and/or Dieldrin and detections of lead. Dieldrin and lead concentrations in samples collected at 0-6 inches in these grids exceeded the RRA cleanup goal. Lead concentrations detected at 12-18 inches in grid IH also exceeded the RRA cleanup goal.

- Soil samples collected at grids HD and HE at Former H Range (79HD 79HE) had detections of lead. None of the lead detections exceeded the RRA cleanup goal.

- Soil samples collected at grids HC, HF, and IC at Former H Range (79HC, 79HF, 79IC) had detections of DDD, DDE, DDT, and/or dieldrin and detections of lead. None of the detected constituents exceeded the RRA cleanup goals.

- Soil samples collected at grid 87E, the outermost grid around Mortar Target 9, had detections of TNT, RDX, and picric acid. The TNT and RDX detections were verified by PDA spectra. TNT detections in the composite sample collected at the grid exceeded the RRA cleanup goal at 0-6 inches, 6-12 inches, and 12-18 inches. TNT detections at discrete samples collected at grid node seven exceeded the RRA cleanup goal at 12-18 inches, and 18-24 inches. The RDX detection at the discrete sample collected at grid node three also exceeded the RRA cleanup goal.

3. DELIVERABLES SUBMITTED

Deliverables submitted during the reporting period include the following:

Weekly Progress Update March 19 - March 23	4/3/01
Weekly Progress Update March 26 - March 30	4/9/01
Monthly Progress Report for March 2001	4/9/01
Final Tank Alley and Turpentine Road Targets Investigation Report (TM 01-3)	4/17/01
Final Demo 1 Area Groundwater Report (TM 01-2)	4/18/01
Draft Rapid Response Action Round 2 Delineation Report	4/20/01
Weekly Progress Update, April 2 – April 6	4/23/01
Weekly Progress Update, April 9 – April 13	4/23/01
RRA Round 1 Completion of Work Report	4/30/01

4. SCHEDULED ACTIONS

Figure 7 provides a Gantt chart updated to reflect progress and proposed work. Activities scheduled for May and early June include:

- Finish Demo 1 Draft Soil Report
- Finish Final Central Impact Area Groundwater Response Plan Report
- Continue Draft Central Impact Area Soil Report preparation
- Continue Draft J-2 Range Report revision
- Continue J-2 Range Additional Delineation investigation
- Finish J-1/J-3/L Range soil/groundwater investigations
- Continue Draft J-1/J-3/L Range Report preparation
- Start J-1/J-3/L Range Additional Delineation planning
- Finish Gun/Mortar COCs Identification
- Continue Training Areas investigation
- Finish HUTA-1 investigation
- Finish Draft HUTA-1 Interim Results Report
- Finish Phase II (b) investigations
- Start Draft Phase II (b) Report preparation
- Continue groundwater monitoring programs
- Continue Draft Revised ASR Report preparation
- Continue Draft Geophysics Report revision
- Continue Draft Demo 1 Soil FS Screening Report preparation
- Finish Final Demo 1 Groundwater FS Screening Report
- Continue ITE Demo 1 Groundwater Treatability Studies
- Continue Central Impact Area Groundwater FS Screening Report preparation

5. SUMMARY OF ACTIVITIES FOR DEMO 1

EPA comments were received on the Soil COC Report on April 6, 2001 and the responses to comments were submitted April 20, 2001. The Final Demo 1 Groundwater Report (Tech Memo 01-2) was submitted on April 18, 2001. The Draft Soil Report is being prepared. Installation of two additional downgradient wells (MW-162 and MW-165) at Demo 1 was completed. These wells were developed and were sampled the first week of May. Additional downgradient well locations, D1P-5 and D1P-6 have been proposed and approved. Analysis of second round groundwater samples from other newly installed wells is ongoing.

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TABLE 2
SAMPLING PROGRESS
4/1/2001-4/30/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HDA040501AA	A040501	04/27/2001	CRATER GRAB	0.00	0.25		
HDP19105MM5SS1	P19105MM5SS13	04/04/2001	CRATER GRID	0.00	0.25		
J1.2.00034.RSS1	J1.2.00034	04/09/2001	CRATER GRID	0.00	0.25		
J1.2.00034.RSS2	J1.2.00034	04/09/2001	CRATER GRID	0.00	0.25		
J1.2.00034.RSS3	J1.2.00034	04/09/2001	CRATER GRID	0.00	0.25		
J1.2.00034.RSS4	J1.2.00034	04/09/2001	CRATER GRID	0.00	0.25		
J1.2.00034.RSS5	J1.2.00034	04/09/2001	CRATER GRID	0.00	0.25		
J1.2.00034.RSS6	J1.2.00034	04/09/2001	CRATER GRID	0.00	0.25		
J1.2.00034.RSS7	J1.2.00034	04/09/2001	CRATER GRID	0.00	0.25		
J1.2.00034.RSS8	J1.2.00034	04/09/2001	CRATER GRID	0.00	0.25		
90WT0019E	FIELDQC	04/28/2001	FIELDQC	0.00	0.00		
FLD MS/MSD	FIELDQC	04/19/2001	FIELDQC	0.00	0.00		
FLD/EQUP BLK	FIELDQC	04/19/2001	FIELDQC	0.00	0.00		
G162DAE	FIELDQC	04/02/2001	FIELDQC	0.00	0.00		
G162DCE	FIELDQC	04/03/2001	FIELDQC	0.00	0.00		
G164DAE	FIELDQC	04/04/2001	FIELDQC	0.00	0.00		
G164DCE	FIELDQC	04/05/2001	FIELDQC	0.00	0.00		
G164DCT	FIELDQC	04/05/2001	FIELDQC	0.00	0.00		
G164DGT	FIELDQC	04/06/2001	FIELDQC	0.00	0.00		
G164DME	FIELDQC	04/09/2001	FIELDQC	0.00	0.00		
G164DTE	FIELDQC	04/10/2001	FIELDQC	0.00	0.00		
G164DTT	FIELDQC	04/10/2001	FIELDQC	0.00	0.00		
G165DAE	FIELDQC	04/12/2001	FIELDQC	0.00	0.00		
G165DHE	FIELDQC	04/13/2001	FIELDQC	0.00	0.00		
G166DAE	FIELDQC	04/19/2001	FIELDQC	0.00	0.00		
G166DCE	FIELDQC	04/20/2001	FIELDQC	0.00	0.00		
G166DQE	FIELDQC	04/24/2001	FIELDQC	0.00	0.00		
G166DQT	FIELDQC	04/24/2001	FIELDQC	0.00	0.00		
G167DCE	FIELDQC	04/25/2001	FIELDQC	0.00	0.00		
HC05FA1AAE	FIELDQC	04/13/2001	FIELDQC	0.00	0.00		
HC05FA1AAT	FIELDQC	04/13/2001	FIELDQC	0.00	0.00		
HC139C1CAE	FIELDQC	04/17/2001	FIELDQC	0.00	0.00		
HC139C1CAT	FIELDQC	04/17/2001	FIELDQC	0.00	0.00		
HC139C1CAT	FIELDQC	04/18/2001	FIELDQC	0.00	0.00		
HC61L1AAE	FIELDQC	04/10/2001	FIELDQC	0.00	0.00		
HC61N1AAE	FIELDQC	04/06/2001	FIELDQC	0.00	0.00		
HD130AE1AAE	FIELDQC	04/03/2001	FIELDQC	0.00	0.00		
HD130R1AAT	FIELDQC	04/03/2001	FIELDQC	0.00	0.00		
HD130S1AAE	FIELDQC	04/04/2001	FIELDQC	0.00	0.00		
HD130S1AAT	FIELDQC	04/04/2001	FIELDQC	0.00	0.00		
HD132E5AAE	FIELDQC	04/02/2001	FIELDQC	0.00	0.00		
HD132E5AAT	FIELDQC	04/02/2001	FIELDQC	0.00	0.00		
HD134A1AAE	FIELDQC	04/05/2001	FIELDQC	0.00	0.00		
HD135A1AAE	FIELDQC	04/09/2001	FIELDQC	0.00	0.00		
HD136E1AAE	FIELDQC	04/26/2001	FIELDQC	0.00	0.00		
HD138A1AAE	FIELDQC	04/11/2001	FIELDQC	0.00	0.00		
HD138A1AAT	FIELDQC	04/12/2001	FIELDQC	0.00	0.00		
HD138B1AAE	FIELDQC	04/13/2001	FIELDQC	0.00	0.00		
HD139A1AAE	FIELDQC	04/12/2001	FIELDQC	0.00	0.00		

Profiling methods include: Volatiles and Explosives
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
Other Sample Types methods are variable
SBD = Sample Begin Depth, measured in feet bgs
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4/1/2001-4/30/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD140A1AAE	FIELDQC	04/18/2001	FIELDQC	0.00	0.00		
HD141B1AAE	FIELDQC	04/30/2001	FIELDQC	0.00	0.00		
HD141B1AAT	FIELDQC	04/30/2001	FIELDQC	0.00	0.00		
HD142A1AAE	FIELDQC	04/19/2001	FIELDQC	0.00	0.00		
HD142A1AAT	FIELDQC	04/19/2001	FIELDQC	0.00	0.00		
HD143D1AAE	FIELDQC	04/20/2001	FIELDQC	0.00	0.00		
HD143D1AAT	FIELDQC	04/20/2001	FIELDQC	0.00	0.00		
HD143F1AAE	FIELDQC	04/27/2001	FIELDQC	0.00	0.00		
HD143L1AAE	FIELDQC	04/23/2001	FIELDQC	0.00	0.00		
HD143P1AAE	FIELDQC	04/24/2001	FIELDQC	0.00	0.00		
HD143Y1AAE	FIELDQC	04/25/2001	FIELDQC	0.00	0.00		
HDA040501AE	FIELDQC	04/27/2001	FIELDQC	0.00	0.00		
HDP19105MM5SS1	FIELDQC	04/04/2001	FIELDQC	0.00	0.00		
J1.2.00034.RSS1E	FIELDQC	04/09/2001	FIELDQC	0.00	0.00		
SC16001E	FIELDQC	04/06/2001	FIELDQC	0.00	0.00		
W10DDT	FIELDQC	04/26/2001	FIELDQC	0.00	0.00		
W153M2F	FIELDQC	04/09/2001	FIELDQC	0.00	0.00		
W153M2T	FIELDQC	04/09/2001	FIELDQC	0.00	0.00		
W154SST	FIELDQC	04/27/2001	FIELDQC	0.00	0.00		
W18M1T	FIELDQC	04/25/2001	FIELDQC	0.00	0.00		
W90PZ0204E	FIELDQC	04/02/2001	FIELDQC	0.00	0.00		
90MW0022A	90MW0022	04/28/2001	GROUNDWATER	111.00	116.00	71.00	76.00
90MW0041A	90MW0041	04/28/2001	GROUNDWATER	125.00	130.00	31.50	36.50
90WT0019A	90WT0019	04/28/2001	GROUNDWATER	96.00	106.00	0.00	10.00
TRT-1	TRT-1	04/19/2001	GROUNDWATER				
TRT-2	TRT-2	04/19/2001	GROUNDWATER				
TRT-3	TRT-3	04/19/2001	GROUNDWATER				
TRT-3 DUPL.	TRT-3	04/19/2001	GROUNDWATER				
TRT-4	TRT-4	04/19/2001	GROUNDWATER				
W108M3A	MW-108	04/24/2001	GROUNDWATER	262.00	272.00	95.46	105.46
W108M4A	MW-108	04/24/2001	GROUNDWATER	240.00	250.00	73.46	83.46
W109SSA	MW-109	04/26/2001	GROUNDWATER	89.00	99.00	0.00	10.00
W10DDA	MW-10	04/26/2001	GROUNDWATER	351.00	361.00	198.40	208.40
W110M1A	MW-110	04/24/2001	GROUNDWATER	316.00	326.00	139.00	149.00
W110M2A	MW-110	04/24/2001	GROUNDWATER	248.00	258.00	72.50	82.50
W110M3A	MW-110	04/24/2001	GROUNDWATER	220.00	230.00	44.50	54.50
W110M3D	MW-110	04/24/2001	GROUNDWATER	220.00	230.00	44.50	54.50
W111M1A	MW-111	04/25/2001	GROUNDWATER	224.00	234.00	88.00	98.00
W111M2A	MW-111	04/25/2001	GROUNDWATER	182.00	192.00	46.10	56.10
W111M3A	MW-111	04/25/2001	GROUNDWATER	165.00	175.00	29.10	39.10
W113M1A	MW-113	04/30/2001	GROUNDWATER	240.00	250.00	95.90	105.90
W113M1A	MW-113	04/30/2001	GROUNDWATER	240.00	250.00	96.20	106.20
W113M2A	MW-113	04/30/2001	GROUNDWATER	190.00	200.00	46.40	56.40
W123M1A	MW-123	04/25/2001	GROUNDWATER	291.00	301.00	148.50	158.50
W123M2A	MW-123	04/25/2001	GROUNDWATER	236.00	246.00	93.40	103.40
W124M1A	MW-124	04/25/2001	GROUNDWATER	234.00	244.00	99.20	109.20
W124M2A	MW-124	04/25/2001	GROUNDWATER	219.00	229.00	84.30	94.30
W124M3A	MW-124	04/25/2001	GROUNDWATER	160.00	170.00	25.30	35.30
W124M3D	MW-124	04/25/2001	GROUNDWATER	160.00	170.00	25.30	35.30

Profiling methods include: Volatiles and Explosives
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
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4/1/2001-4/30/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W134M1A	MW-134	04/24/2001	GROUNDWATER	250.00	260.00	113.90	123.90
W134M2A	MW-134	04/24/2001	GROUNDWATER	170.00	180.00	24.08	34.08
W135M1A	MW-135	04/26/2001	GROUNDWATER	319.00	329.00	129.40	139.40
W135M2A	MW-135	04/26/2001	GROUNDWATER	280.00	290.00	90.10	100.10
W135M3A	MW-135	04/27/2001	GROUNDWATER	239.00	249.00	49.10	59.10
W138M1A	MW-138	04/26/2001	GROUNDWATER	253.00	263.00	128.50	138.50
W138M2A	MW-138	04/24/2001	GROUNDWATER	151.00	161.00	27.25	37.25
W138M3A	MW-138	04/24/2001	GROUNDWATER	135.00	145.00	11.55	21.55
W138M3D	MW-138	04/24/2001	GROUNDWATER	135.00	145.00	11.55	21.55
W13DDA	MW-13	04/27/2001	GROUNDWATER	220.00	225.00	140.00	145.00
W141M1A	MW-141	04/27/2001	GROUNDWATER	190.00	200.00	59.30	69.30
W141M2A	MW-141	04/28/2001	GROUNDWATER	162.00	172.00	31.70	41.70
W141SSA	MW-141	04/28/2001	GROUNDWATER	128.00	138.00	0.00	10.00
W152M2A	MW-152	04/12/2001	GROUNDWATER	154.00	164.00	44.60	54.60
W152M2A	MW-152	04/12/2001	GROUNDWATER	154.00	164.00	44.60	54.60
W153M2A	MW-153	04/06/2001	GROUNDWATER	144.00	154.00	49.80	59.80
W153M2A	MW-153	04/06/2001	GROUNDWATER	144.00	154.00	49.80	59.80
W154M1A	MW-154	04/27/2001	GROUNDWATER	187.00	192.00	88.00	93.00
W154SSA	MW-154	04/26/2001	GROUNDWATER	98.00	108.00	0.00	10.00
W16SSA	MW-16	04/26/2001	GROUNDWATER	125.00	135.00	0.00	10.00
W18M1A	MW-18	04/25/2001	GROUNDWATER	166.00	176.00	120.40	130.40
W18M2A	MW-18	04/25/2001	GROUNDWATER	102.00	112.00	56.40	66.40
W23DDA	MW-23	04/26/2001	GROUNDWATER	272.00	282.00	141.40	151.40
W23M1A	MW-23	04/27/2001	GROUNDWATER	225.00	235.00	94.50	104.50
W23M2A	MW-23	04/26/2001	GROUNDWATER	189.00	194.00	58.40	63.40
W23M2D	MW-23	04/26/2001	GROUNDWATER	189.00	194.00	58.40	63.40
W35M1A	MW-35	04/27/2001	GROUNDWATER	155.00	165.00	64.30	74.30
W35M2A	MW-35	04/27/2001	GROUNDWATER	100.00	110.00	9.40	19.40
W35SSA	MW-35	04/27/2001	GROUNDWATER	84.00	94.00	0.00	10.00
W37M1A	MW-37	04/30/2001	GROUNDWATER	181.00	191.00	64.00	74.00
W37M2A	MW-37	04/30/2001	GROUNDWATER	181.00	191.00	64.00	74.00
W37M3A	MW-37	04/30/2001	GROUNDWATER	130.00	140.00	13.00	23.00
W38M2A	MW-38	04/30/2001	GROUNDWATER	187.00	197.00	70.00	80.00
W38M3A	MW-38	04/30/2001	GROUNDWATER	170.00	180.00	53.00	63.00
W90PZ0204A	90PZ0204	04/02/2001	GROUNDWATER	71.20	76.20	64.90	69.90
DW041901	GAC WATER	04/19/2001	IDW	0.00	0.25		
DW042501	GAC WATER	04/25/2001	IDW				
DW042601	GAC WATER	04/26/2001	IDW				
PWPPC09AP1A	RRA CONTAINMEN-	04/09/2001	IDW				
PWPPC09AP1D	RRA CONTAINMEN-	04/09/2001	IDW				
PWPPC17AP1A	RRA CONTAINMEN-	04/17/2001	IDW				
PWPPC18AP1A	RRA CONTAINMEN-	04/18/2001	IDW				
PWPPC31MR1A	RRA CONTAINMEN-	04/02/2001	IDW				
SC14901	SOIL CUTTINGS	04/06/2001	IDW	0.00	0.25		
SC14902	SOIL CUTTINGS	04/06/2001	IDW	0.00	0.25		
SC15001	SOIL CUTTINGS	04/06/2001	IDW	0.00	0.25		
SC15002	SOIL CUTTINGS	04/06/2001	IDW	0.00	0.25		
SC15101	SOIL CUTTINGS	04/06/2001	IDW	0.00	0.25		
SC15102	SOIL CUTTINGS	04/06/2001	IDW	0.00	0.25		

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Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
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SBD = Sample Begin Depth, measured in feet bgs
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TABLE 2
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4/1/2001-4/30/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
SC15201	SOIL CUTTINGS	04/10/2001	IDW	0.00	0.25		
SC15202	SOIL CUTTINGS	04/10/2001	IDW	0.00	0.25		
SC15301	SOIL CUTTINGS	04/06/2001	IDW	0.00	0.25		
SC15302	SOIL CUTTINGS	04/06/2001	IDW	0.00	0.25		
SC15401	SOIL CUTTINGS	04/10/2001	IDW	0.00	0.25		
SC15402	SOIL CUTTINGS	04/10/2001	IDW	0.00	0.25		
SC15501	SOIL CUTTINGS	04/06/2001	IDW	0.00	0.25		
SC15502	SOIL CUTTINGS	04/06/2001	IDW	0.00	0.25		
SC15601	SOIL CUTTINGS	04/06/2001	IDW	0.00	0.25		
SC15602	SOIL CUTTINGS	04/06/2001	IDW	0.00	0.25		
SC15701	SOIL CUTTINGS	04/06/2001	IDW	0.00	0.25		
SC15702	SOIL CUTTINGS	04/06/2001	IDW	0.00	0.25		
SC15801	SOIL CUTTINGS	04/10/2001	IDW	0.00	0.25		
SC15802	SOIL CUTTINGS	04/10/2001	IDW	0.00	0.25		
SC15901	SOIL CUTTINGS	04/10/2001	IDW	0.00	0.25		
SC15902	SOIL CUTTINGS	04/10/2001	IDW	0.00	0.25		
SC16001	SOIL CUTTINGS	04/06/2001	IDW	0.00	0.25		
SC16002	SOIL CUTTINGS	04/06/2001	IDW	0.00	0.25		
SC16101	SOIL CUTTINGS	04/06/2001	IDW	0.00	0.25		
SC16102	SOIL CUTTINGS	04/06/2001	IDW	0.00	0.25		
SC16201	SOIL CUTTINGS	04/06/2001	IDW	0.00	0.25		
SC16202	SOIL CUTTINGS	04/06/2001	IDW	0.00	0.25		
FHRA	FHRA	04/07/2001	OTHER				
FHRAD	FHRAD	04/07/2001	OTHER				
FHRB	FHRB	04/07/2001	OTHER				
FHRC	FHRC	04/07/2001	OTHER				
FHREB	FHREB	04/07/2001	OTHER				
FHROM	FHREB	04/07/2001	OTHER				
FHRPW	FHRPW	04/07/2001	OTHER				
MT9A	MT9A	04/09/2001	OTHER				
MT9AD	MT9AD	04/09/2001	OTHER				
MT9B	MT9B	04/09/2001	OTHER				
MT9C	MT9C	04/09/2001	OTHER				
MT9EB	MT9EB	04/09/2001	OTHER				
MT9OM	MT9OM	04/09/2001	OTHER				
MT9PW	MT9PW	04/09/2001	OTHER				
G162DAA	MW-162	04/02/2001	PROFILE	90.00	90.00	14.50	14.50
G162DBA	MW-162	04/02/2001	PROFILE	100.00	100.00	24.50	24.50
G162DCA	MW-162	04/03/2001	PROFILE	110.00	110.00	34.50	34.50
G162DCD	MW-162	04/03/2001	PROFILE	110.00	110.00	34.50	34.50
G162DDA	MW-162	04/03/2001	PROFILE	120.00	120.00	44.50	44.50
G162DEA	MW-162	04/03/2001	PROFILE	130.00	130.00	54.50	54.50
G162DFA	MW-162	04/03/2001	PROFILE	140.00	140.00	64.50	64.50
G162DGA	MW-162	04/03/2001	PROFILE	150.00	150.00	74.50	74.50
G162DHA	MW-162	04/03/2001	PROFILE	160.00	160.00	84.50	84.50
G162DIA	MW-162	04/03/2001	PROFILE	170.00	170.00	94.50	94.50
G162DJA	MW-162	04/03/2001	PROFILE	180.00	180.00	104.50	104.50
G162DKA	MW-162	04/03/2001	PROFILE	190.00	190.00	114.50	114.50
G162DLA	MW-162	04/03/2001	PROFILE	200.00	200.00	124.50	124.50

Profiling methods include: Volatiles and Explosives
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
Other Sample Types methods are variable
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TABLE 2
SAMPLING PROGRESS
4/1/2001-4/30/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G162DMA	MW-162	04/03/2001	PROFILE	210.00	210.00	134.50	134.50
G164DAA	MW-164	04/04/2001	PROFILE	120.00	120.00	4.00	4.00
G164DBA	MW-164	04/04/2001	PROFILE	130.00	130.00	14.00	24.00
G164DCA	MW-164	04/05/2001	PROFILE	140.00	140.00	24.00	24.00
G164DCD	MW-164	04/05/2001	PROFILE	140.00	140.00	24.00	24.00
G164DDA	MW-164	04/05/2001	PROFILE	150.00	150.00	34.00	34.00
G164DEA	MW-164	04/05/2001	PROFILE	160.00	160.00	44.00	44.00
G164DFA	MW-164	04/05/2001	PROFILE	170.00	170.00	54.00	54.00
G164DFD	MW-164	04/05/2001	PROFILE	170.00	170.00	54.00	54.00
G164DGA	MW-164	04/05/2001	PROFILE	180.00	180.00	64.00	64.00
G164DHA	MW-164	04/05/2001	PROFILE	190.00	190.00	74.00	74.00
G164DIA	MW-164	04/05/2001	PROFILE	200.00	200.00	84.00	84.00
G164DJA	MW-164	04/05/2001	PROFILE	210.00	210.00	94.00	94.00
G164DKA	MW-164	04/05/2001	PROFILE	220.00	220.00	104.00	104.00
G164DLA	MW-164	04/05/2001	PROFILE	230.00	230.00	114.00	114.00
G164DMA	MW-164	04/09/2001	PROFILE	240.00	240.00	127.10	127.10
G164DNA	MW-164	04/09/2001	PROFILE	250.00	250.00	137.10	137.10
G164DOA	MW-164	04/09/2001	PROFILE	260.00	260.00	147.10	147.10
G164DPA	MW-164	04/09/2001	PROFILE	270.00	270.00	157.10	157.10
G164DQA	MW-164	04/09/2001	PROFILE	280.00	280.00	167.10	167.10
G164DRA	MW-164	04/09/2001	PROFILE	290.00	290.00	177.10	177.10
G164DSA	MW-164	04/09/2001	PROFILE	300.00	300.00	187.10	187.10
G164DTA	MW-164	04/10/2001	PROFILE	310.00	310.00	197.10	197.10
G164DUA	MW-164	04/10/2001	PROFILE	320.00	320.00	207.10	207.10
G165DAA	MW-165	04/12/2001	PROFILE	90.00	90.00	10.50	10.50
G165DBA	MW-165	04/12/2001	PROFILE	100.00	100.00	20.50	20.50
G165DCA	MW-165	04/12/2001	PROFILE	110.00	110.00	30.50	30.50
G165DCD	MW-165	04/12/2001	PROFILE	110.00	110.00	30.50	30.50
G165DDA	MW-165	04/12/2001	PROFILE	120.00	120.00	40.50	40.50
G165DEA	MW-165	04/12/2001	PROFILE	130.00	130.00	50.50	50.50
G165DFA	MW-165	04/12/2001	PROFILE	140.00	140.00	60.50	60.50
G165DFD	MW-165	04/12/2001	PROFILE	140.00	140.00	60.50	60.50
G165DGA	MW-165	04/12/2001	PROFILE	150.00	150.00	70.50	70.50
G165DHA	MW-165	04/13/2001	PROFILE	160.00	160.00	80.50	80.50
G165DIA	MW-165	04/13/2001	PROFILE	170.00	170.00	90.50	90.50
G165DJA	MW-165	04/13/2001	PROFILE	180.00	180.00	100.50	100.50
G165DKA	MW-165	04/13/2001	PROFILE	190.00	190.00	110.50	110.50
G165DLA	MW-165	04/13/2001	PROFILE	200.00	200.00	120.50	120.50
G165DMA	MW-165	04/13/2001	PROFILE	210.00	210.00	130.50	130.50
G165DNA	MW-165	04/13/2001	PROFILE	220.00	220.00	140.50	140.50
G165DOA	MW-165	04/13/2001	PROFILE	230.00	230.00	150.50	150.50
G165DPA	MW-165	04/13/2001	PROFILE	240.00	240.00	160.50	160.50
G165DQA	MW-165	04/13/2001	PROFILE	250.00	250.00	170.50	170.50
G166DAA	MW-166	04/19/2001	PROFILE	120.00	120.00	10.00	10.00
G166DBA	MW-166	04/19/2001	PROFILE	130.00	130.00	20.00	20.00
G166DCA	MW-166	04/20/2001	PROFILE	140.00	140.00	30.00	30.00
G166DCD	MW-166	04/20/2001	PROFILE	140.00	140.00	30.00	30.00
G166DDA	MW-166	04/20/2001	PROFILE	150.00	150.00	40.00	40.00
G166DEA	MW-166	04/20/2001	PROFILE	160.00	160.00	50.00	50.00

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4/1/2001-4/30/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G166DFA	MW-166	04/20/2001	PROFILE	170.00	170.00	60.00	60.00
G166DFD	MW-166	04/20/2001	PROFILE	170.00	170.00	60.00	60.00
G166DGA	MW-166	04/25/2001	PROFILE	180.00	180.00	70.00	70.00
G166DHA	MW-166	04/25/2001	PROFILE	190.00	190.00	80.00	80.00
G166DIA	MW-166	04/25/2001	PROFILE	200.00	200.00	90.00	90.00
G166DJA	MW-166	04/25/2001	PROFILE	210.00	210.00	100.00	100.00
G166DKA	MW-166	04/25/2001	PROFILE	220.00	220.00	110.00	110.00
G166DLA	MW-166	04/25/2001	PROFILE	230.00	230.00	120.00	120.00
G166DMA	MW-166	04/25/2001	PROFILE	240.00	240.00	130.00	130.00
G166DNA	MW-166	04/25/2001	PROFILE	250.00	250.00	140.00	140.00
G166DOA	MW-166	04/25/2001	PROFILE	260.00	260.00	150.00	150.00
G166DPA	MW-166	04/25/2001	PROFILE	270.00	270.00	160.00	160.00
G166DQA	MW-166	04/24/2001	PROFILE	280.00	280.00	170.00	170.00
G166DQD	MW-166	04/24/2001	PROFILE	280.00	280.00	170.00	170.00
G166DRA	MW-166	04/24/2001	PROFILE	290.00	290.00	180.00	180.00
G166DSA	MW-166	04/24/2001	PROFILE	300.00	300.00	190.00	190.00
G166DTA	MW-166	04/24/2001	PROFILE	310.00	310.00	200.00	200.00
G167DAA	MW-167	04/24/2001	PROFILE	90.00	90.00	3.80	3.80
G167DBA	MW-167	04/24/2001	PROFILE	100.00	100.00	13.80	13.80
G167DCA	MW-167	04/25/2001	PROFILE	110.00	110.00	23.80	23.80
G167DDA	MW-167	04/25/2001	PROFILE	120.00	120.00	33.80	33.80
PA-1006101-102	82MW0001	04/30/2001	PROFILE	25.00	30.00	5.60	10.60
PA-1006103-104	82MW0001	04/30/2001	PROFILE	35.00	40.00	15.60	20.60
PA-1006201-203	82MW0001	04/30/2001	PROFILE	45.00	50.00	25.60	30.60
PA-1006202-204D	82MW0001	04/30/2001	PROFILE	45.00	50.00	25.60	30.60
PA-1006205-206	82MW0001	04/30/2001	PROFILE	55.00	60.00	35.60	40.60
PA-1006301-302	82MW0001	04/30/2001	PROFILE	65.00	70.00	45.60	50.60
PA-C003701-702	82MW0001	04/25/2001	PROFILE	90.00	95.00		
PA-C003703-704	82MW0001	04/25/2001	PROFILE	100.00	105.00		
PA-C003801-802	82MW0001	04/25/2001	PROFILE	110.00	115.00		
PA-C003805-806	82MW0001	04/25/2001	PROFILE	120.00	125.00		
PA-C003901-902	82MW0001	04/25/2001	PROFILE	130.00	135.00		
PA-C003903-904	82MW0001	04/25/2001	PROFILE	140.00	145.00		
S111AA	MW-111	04/23/2001	SOIL BORING				
S125AA	MW-125	04/27/2001	SOIL BORING				
S162AA	MW-162	04/02/2001	SOIL BORING				
HC05FA1AAA	05FA1	04/13/2001	SOIL GRAB	0.00	0.25		
HC05FA2AAA	05FA2	04/13/2001	SOIL GRAB	0.00	0.25		
HC05FA3AAA	05FA3	04/13/2001	SOIL GRAB	0.00	0.25		
HC05FA4AAA	05FA4	04/13/2001	SOIL GRAB	0.00	0.25		
HC05FA5AAA	05FA5	04/13/2001	SOIL GRAB	0.00	0.25		
HC05FB1AAA	05FB1	04/13/2001	SOIL GRAB	0.00	0.25		
HC05FB2AAA	05FB2	04/13/2001	SOIL GRAB	0.00	0.25		
HC05FC1AAA	05FC1	04/13/2001	SOIL GRAB	0.00	0.25		
HC05FC1AAD	05FC1	04/13/2001	SOIL GRAB	0.00	0.25		
HC130AE1AAA	130AE	04/03/2001	SOIL GRID	0.00	0.25		
HC130AE1BAA	130AE	04/03/2001	SOIL GRID	0.25	0.50		
HC130AE1CAA	130AE	04/03/2001	SOIL GRID	0.50	1.00		
HC130AE1CAD	130AE	04/03/2001	SOIL GRID	0.50	1.00		

Profiling methods include: Volatiles and Explosives
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TABLE 2
SAMPLING PROGRESS
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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC130AF1AAA	130AF	04/03/2001	SOIL GRID	0.00	0.25		
HC130AF1BAA	130AF	04/03/2001	SOIL GRID	0.25	0.50		
HC130AF1CAA	130AF	04/03/2001	SOIL GRID	0.50	1.00		
HC130AF1CAD	130AF	04/03/2001	SOIL GRID	0.50	1.00		
HC130AG1AAA	130AG	04/04/2001	SOIL GRID	0.00	0.25		
HC130AG1BAA	130AG	04/04/2001	SOIL GRID	0.25	0.50		
HC130AG1CAA	130AG	04/04/2001	SOIL GRID	0.50	1.00		
HC130AH1AAA	130AH	04/04/2001	SOIL GRID	0.00	0.25		
HC130AH1BAA	130AH	04/04/2001	SOIL GRID	0.25	0.50		
HC130AH1CAA	130AH	04/04/2001	SOIL GRID	0.50	1.00		
HC130R1AAA	130R	04/02/2001	SOIL GRID	0.00	0.25		
HC130R1BAA	130R	04/02/2001	SOIL GRID	0.25	0.50		
HC130R1CAA	130R	04/02/2001	SOIL GRID	0.50	1.00		
HC130R1CAD	130R	04/02/2001	SOIL GRID	0.50	1.00		
HC130S1AAA	130S	04/04/2001	SOIL GRID	0.00	0.25		
HC130S1BAA	130S	04/04/2001	SOIL GRID	0.25	0.50		
HC130S1CAA	130S	04/04/2001	SOIL GRID	0.50	1.00		
HC130T1AAA	130T	04/03/2001	SOIL GRID	0.00	0.25		
HC130T1BAA	130T	04/03/2001	SOIL GRID	0.25	0.50		
HC130T1CAA	130T	04/03/2001	SOIL GRID	0.50	1.00		
HC130U1AAA	130U	04/03/2001	SOIL GRID	0.00	0.25		
HC130U1BAA	130U	04/03/2001	SOIL GRID	0.25	0.50		
HC130U1CAA	130U	04/03/2001	SOIL GRID	0.50	1.00		
HC130U1CAD	130U	04/03/2001	SOIL GRID	0.50	1.00		
HC130V1AAA	130V	04/03/2001	SOIL GRID	0.00	0.25		
HC130V1BAA	130V	04/03/2001	SOIL GRID	0.25	0.50		
HC130V1CAA	130V	04/03/2001	SOIL GRID	0.50	1.00		
HC130W1AAA	130W	04/03/2001	SOIL GRID	0.00	0.25		
HC130W1BAA	130W	04/03/2001	SOIL GRID	0.25	0.50		
HC130W1CAA	130W	04/03/2001	SOIL GRID	0.50	1.00		
HC130W1CAD	130W	04/03/2001	SOIL GRID	0.50	1.00		
HC130X1AAA	130X	04/03/2001	SOIL GRID	0.00	0.25		
HC130X1BAA	130X	04/03/2001	SOIL GRID	0.25	0.50		
HC130X1CAA	130X	04/03/2001	SOIL GRID	0.50	1.00		
HC130X1CAD	130X	04/03/2001	SOIL GRID	0.50	1.00		
HC133S1AAA	133S	04/05/2001	SOIL GRID	0.00	0.25		
HC133S1BAA	133S	04/05/2001	SOIL GRID	0.25	0.50		
HC133S1CAA	133S	04/05/2001	SOIL GRID	0.50	1.00		
HC133S1CAD	133S	04/05/2001	SOIL GRID	0.50	1.00		
HC133T1AAA	133T	04/05/2001	SOIL GRID	0.00	0.25		
HC133T1BAA	133T	04/05/2001	SOIL GRID	0.25	0.50		
HC133T1CAA	133T	04/05/2001	SOIL GRID	0.50	1.00		
HC133U1AAA	133U	04/05/2001	SOIL GRID	0.00	0.25		
HC133U1BAA	133U	04/05/2001	SOIL GRID	0.25	0.50		
HC133U1CAA	133U	04/05/2001	SOIL GRID	0.50	1.00		
HC134A1AAA	134A	04/05/2001	SOIL GRID	0.00	0.25		
HC134A1BAA	134A	04/05/2001	SOIL GRID	0.25	0.50		
HC134A1CAA	134A	04/05/2001	SOIL GRID	0.50	1.00		
HC134A1CAD	134A	04/05/2001	SOIL GRID	0.50	1.00		

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SAMPLING PROGRESS
4/1/2001-4/30/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC134B1AAA	134B	04/05/2001	SOIL GRID	0.00	0.25		
HC134B1BAA	134B	04/05/2001	SOIL GRID	0.25	0.50		
HC134B1CAA	134B	04/05/2001	SOIL GRID	0.50	1.00		
HC135I1AAA	135I	04/18/2001	SOIL GRID	0.00	0.25		
HC135I1BAA	135I	04/18/2001	SOIL GRID	0.25	0.50		
HC135I1CAA	135I	04/18/2001	SOIL GRID	0.50	1.00		
HC135I1CAD	135I	04/18/2001	SOIL GRID	0.50	1.00		
HC135J1AAA	135J	04/18/2001	SOIL GRID	0.00	0.25		
HC135J1BAA	135J	04/18/2001	SOIL GRID	0.25	0.50		
HC135J1CAA	135J	04/18/2001	SOIL GRID	0.50	1.00		
HC135K1AAA	135K	04/18/2001	SOIL GRID	0.00	0.25		
HC135K1BAA	135K	04/18/2001	SOIL GRID	0.25	0.50		
HC135K1CAA	135K	04/18/2001	SOIL GRID	0.50	1.00		
HC135L1AAA	135L	04/18/2001	SOIL GRID	0.00	0.25		
HC135L1BAA	135L	04/18/2001	SOIL GRID	0.25	0.50		
HC135L1CAA	135L	04/18/2001	SOIL GRID	0.50	1.00		
HC135M1AAA	135M	04/18/2001	SOIL GRID	0.00	0.25		
HC135M1AAD	135M	04/18/2001	SOIL GRID	0.00	0.25		
HC135M1BAA	135M	04/18/2001	SOIL GRID	0.25	0.50		
HC135M1CAA	135M	04/18/2001	SOIL GRID	0.50	1.00		
HC136C1AAA	136C	04/30/2001	SOIL GRID	0.00	0.50		
HC136C1BAA	136C	04/30/2001	SOIL GRID	1.50	2.00		
HC136N1AAA	136N	04/27/2001	SOIL GRID	0.00	0.50		
HC136N1BAA	136N	04/27/2001	SOIL GRID	1.50	2.00		
HC136O1AAA	136O	04/19/2001	SOIL GRID	0.00	0.50		
HC136O1BAA	136O	04/19/2001	SOIL GRID	1.50	2.00		
HC136P1AAA	136P	04/19/2001	SOIL GRID	0.00	0.50		
HC136P1BAA	136P	04/19/2001	SOIL GRID	1.50	2.00		
HC136Q1AAA	136Q	04/19/2001	SOIL GRID	0.00	0.50		
HC136Q1BAA	136Q	04/19/2001	SOIL GRID	1.50	2.00		
HC136R1AAA	136R	04/19/2001	SOIL GRID	0.00	0.50		
HC136R1BAA	136R	04/19/2001	SOIL GRID	1.50	2.00		
HC136R1BAD	136R	04/19/2001	SOIL GRID	1.50	2.00		
HC137A1AAA	137A	04/11/2001	SOIL GRID	0.00	0.25		
HC137A1BAA	137A	04/11/2001	SOIL GRID	0.25	0.50		
HC137A1CAA	137A	04/11/2001	SOIL GRID	0.50	1.00		
HC137A1CAD	137A	04/11/2001	SOIL GRID	0.50	1.00		
HC137B1AAA	137B	04/11/2001	SOIL GRID	0.00	0.25		
HC137B1BAA	137B	04/11/2001	SOIL GRID	0.25	0.50		
HC137B1CAA	137B	04/11/2001	SOIL GRID	0.50	1.00		
HC138A1AAA	138A	04/11/2001	SOIL GRID	0.00	0.25		
HC138A1BAA	138A	04/11/2001	SOIL GRID	0.25	0.50		
HC138A1CAA	138A	04/11/2001	SOIL GRID	0.50	1.00		
HC138A1CAD	138A	04/11/2001	SOIL GRID	0.50	1.00		
HC138B1AAA	138B	04/13/2001	SOIL GRID	0.00	0.25		
HC138B1BAA	138B	04/13/2001	SOIL GRID	0.25	0.50		
HC138B1CAA	138B	04/13/2001	SOIL GRID	0.50	1.00		
HC139A1AAA	139A	04/12/2001	SOIL GRID	0.00	0.25		
HC139A1BAA	139A	04/12/2001	SOIL GRID	0.25	0.50		

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SAMPLING PROGRESS
4/1/2001-4/30/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC139A1CAA	139A	04/12/2001	SOIL GRID	0.50	1.00		
HC139A1CAD	139A	04/12/2001	SOIL GRID	0.50	1.00		
HC139B1AAA	139B	04/13/2001	SOIL GRID	0.00	0.25		
HC139B1BAA	139B	04/13/2001	SOIL GRID	0.25	0.50		
HC139B1CAA	139B	04/13/2001	SOIL GRID	0.50	1.00		
HC139C1AAA	139C	04/17/2001	SOIL GRID	0.00	0.25		
HC139C1BAA	139C	04/17/2001	SOIL GRID	0.25	0.50		
HC139C1CAA	139C	04/17/2001	SOIL GRID	0.50	1.00		
HC139C1CAD	139C	04/17/2001	SOIL GRID	0.50	1.00		
HC141A1AAA	141A	04/27/2001	SOIL GRID	0.00	0.25		
HC141A1BAA	141A	04/27/2001	SOIL GRID	0.25	0.50		
HC141A1CAA	141A	04/27/2001	SOIL GRID	0.50	1.00		
HC141A1CAD	141A	04/27/2001	SOIL GRID	0.50	1.00		
HC141B1AAA	141B	04/30/2001	SOIL GRID	0.00	0.25		
HC141B1BAA	141B	04/30/2001	SOIL GRID	0.25	0.50		
HC141B1CAA	141B	04/30/2001	SOIL GRID	0.50	1.00		
HC141C1AAA	141C	04/30/2001	SOIL GRID	0.00	0.25		
HC141C1BAA	141C	04/30/2001	SOIL GRID	0.25	0.50		
HC141C1CAA	141C	04/30/2001	SOIL GRID	0.50	1.00		
HC141C1CAD	141C	04/30/2001	SOIL GRID	0.50	1.00		
HC142A1AAA	142A	04/19/2001	SOIL GRID	0.00	0.25		
HC142A1BAA	142A	04/19/2001	SOIL GRID	0.25	0.50		
HC142A1CAA	142A	04/19/2001	SOIL GRID	0.50	1.00		
HC143P1AAA	143P	04/24/2001	SOIL GRID	0.00	0.50		
HC143P1BAA	143P	04/24/2001	SOIL GRID	1.50	2.00		
HC143Q1AAA	143Q	04/27/2001	SOIL GRID	0.00	0.50		
HC143Q1BAA	143Q	04/27/2001	SOIL GRID	1.50	2.00		
HC143Q1BAD	143Q	04/27/2001	SOIL GRID	1.50	2.00		
HC143R1AAA	143R	04/24/2001	SOIL GRID	0.00	0.50		
HC143R1BAA	143R	04/24/2001	SOIL GRID	1.50	2.00		
HC143S1AAA	143S	04/25/2001	SOIL GRID	0.00	0.50		
HC143S1BAA	143S	04/25/2001	SOIL GRID	1.50	2.00		
HC143S1BAD	143S	04/25/2001	SOIL GRID	1.50	2.00		
HC143T1AAA	143T	04/24/2001	SOIL GRID	0.00	0.50		
HC143T1BAA	143T	04/24/2001	SOIL GRID	1.50	2.00		
HC143U1AAA	143U	04/24/2001	SOIL GRID	0.00	0.50		
HC143U1BAA	143U	04/24/2001	SOIL GRID	1.50	2.00		
HC143V1AAA	143V	04/25/2001	SOIL GRID	0.00	0.50		
HC143V1AAD	143V	04/25/2001	SOIL GRID	0.00	0.50		
HC143V1BAA	143V	04/25/2001	SOIL GRID	1.50	2.00		
HC143W1AAA	143W	04/25/2001	SOIL GRID	0.00	0.50		
HC143W1BAA	143W	04/25/2001	SOIL GRID	1.50	2.00		
HC143X1AAA	143X	04/25/2001	SOIL GRID	0.00	0.50		
HC143X1BAA	143X	04/25/2001	SOIL GRID	1.50	2.00		
HC143Y1AAA	143Y	04/25/2001	SOIL GRID	0.00	0.50		
HC143Y1BAA	143Y	04/25/2001	SOIL GRID	1.50	2.00		
HC143Y1BAD	143Y	04/25/2001	SOIL GRID	1.50	2.00		
HC61K1AAA	61K	04/10/2001	SOIL GRID	0.00	0.50		
HC61K1BAA	61K	04/10/2001	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
4/1/2001-4/30/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC61L1AAA	61L	04/10/2001	SOIL GRID	0.00	0.50		
HC61L1BAA	61L	04/10/2001	SOIL GRID	1.50	2.00		
HC61M1AAA	61M	04/06/2001	SOIL GRID	0.00	0.50		
HC61M1BAA	61M	04/06/2001	SOIL GRID	1.50	2.00		
HC61M1BAD	61M	04/06/2001	SOIL GRID	1.50	2.00		
HC61N1AAA	61N	04/06/2001	SOIL GRID	0.00	0.50		
HC61N1BAA	61N	04/06/2001	SOIL GRID	1.50	2.00		
HC61N1BAD	61N	04/06/2001	SOIL GRID	1.50	2.00		
HC61O1AAA	61O	04/06/2001	SOIL GRID	0.00	2.25		
HC61P1AAA	61P	04/06/2001	SOIL GRID	0.00	2.50		
HC61Q1AAA	61Q	04/06/2001	SOIL GRID	0.00	2.00		
HD130AE1AAA	130AE	04/03/2001	SOIL GRID	0.00	0.25		
HD130AE1BAA	130AE	04/03/2001	SOIL GRID	0.25	0.50		
HD130AE1CAA	130AE	04/03/2001	SOIL GRID	0.50	1.00		
HD130AF1AAA	130AF	04/03/2001	SOIL GRID	0.00	0.25		
HD130AF1BAA	130AF	04/03/2001	SOIL GRID	0.25	0.50		
HD130AF1CAA	130AF	04/03/2001	SOIL GRID	0.50	1.00		
HD130AG1AAA	130AG	04/04/2001	SOIL GRID	0.00	0.25		
HD130AG1BAA	130AG	04/04/2001	SOIL GRID	0.25	0.50		
HD130AG1CAA	130AG	04/04/2001	SOIL GRID	0.50	1.00		
HD130AH1AAA	130AH	04/04/2001	SOIL GRID	0.00	0.25		
HD130AH1BAA	130AH	04/04/2001	SOIL GRID	0.25	0.50		
HD130AH1CAA	130AH	04/04/2001	SOIL GRID	0.50	1.00		
HD130R1AAA	130R	04/02/2001	SOIL GRID	0.00	0.25		
HD130R1BAA	130R	04/02/2001	SOIL GRID	0.25	0.50		
HD130R1CAA	130R	04/02/2001	SOIL GRID	0.50	1.00		
HD130S1AAA	130S	04/04/2001	SOIL GRID	0.00	0.25		
HD130S1BAA	130S	04/04/2001	SOIL GRID	0.25	0.50		
HD130S1CAA	130S	04/04/2001	SOIL GRID	0.50	1.00		
HD130T1AAA	130T	04/03/2001	SOIL GRID	0.00	0.25		
HD130T1BAA	130T	04/03/2001	SOIL GRID	0.25	0.50		
HD130T1CAA	130T	04/03/2001	SOIL GRID	0.50	1.00		
HD130U1AAA	130U	04/03/2001	SOIL GRID	0.00	0.25		
HD130U1BAA	130U	04/03/2001	SOIL GRID	0.25	0.50		
HD130U1CAA	130U	04/03/2001	SOIL GRID	0.50	1.00		
HD130V1AAA	130V	04/03/2001	SOIL GRID	0.00	0.25		
HD130V1BAA	130V	04/03/2001	SOIL GRID	0.25	0.50		
HD130V1CAA	130V	04/03/2001	SOIL GRID	0.50	1.00		
HD130W1AAA	130W	04/03/2001	SOIL GRID	0.00	0.25		
HD130W1BAA	130W	04/03/2001	SOIL GRID	0.25	0.50		
HD130W1CAA	130W	04/03/2001	SOIL GRID	0.50	1.00		
HD130X1AAA	130X	04/03/2001	SOIL GRID	0.00	0.25		
HD130X1BAA	130X	04/03/2001	SOIL GRID	0.25	0.50		
HD130X1CAA	130X	04/03/2001	SOIL GRID	0.50	1.00		
HD132E1AAA	132E	04/02/2001	SOIL GRID	0.00	0.25		
HD132E1BAA	132E	04/02/2001	SOIL GRID	0.25	0.50		
HD132E1CAA	132E	04/02/2001	SOIL GRID	0.50	1.00		
HD132E2AAA	132E	04/02/2001	SOIL GRID	0.00	0.25		
HD132E2BAA	132E	04/02/2001	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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TABLE 2
SAMPLING PROGRESS
4/1/2001-4/30/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD132E2CAA	132E	04/02/2001	SOIL GRID	0.50	1.00		
HD132E4AAA	132E	04/02/2001	SOIL GRID	0.25	0.50		
HD132E4BAA	132E	04/02/2001	SOIL GRID	0.00	0.25		
HD132E4CAA	132E	04/02/2001	SOIL GRID	0.50	1.00		
HD132E5AAA	132E	04/02/2001	SOIL GRID	0.00	0.25		
HD132E5BAA	132E	04/02/2001	SOIL GRID	0.25	0.50		
HD132E5BAD	132E	04/02/2001	SOIL GRID	0.25	0.50		
HD132E5CAA	132E	04/02/2001	SOIL GRID	0.50	1.00		
HD132V1AAA	132V	04/30/2001	SOIL GRID	0.00	0.50		
HD134A1AAA	134A	04/05/2001	SOIL GRID	0.00	0.25		
HD134A1BAA	134A	04/05/2001	SOIL GRID	0.25	0.50		
HD134A1CAA	134A	04/05/2001	SOIL GRID	0.50	1.00		
HD134B1AAA	134B	04/05/2001	SOIL GRID	0.00	0.25		
HD134B1BAA	134B	04/05/2001	SOIL GRID	0.25	0.50		
HD134B1CAA	134B	04/05/2001	SOIL GRID	0.50	1.00		
HD135A1AAA	135A	04/09/2001	SOIL GRID	0.00	0.50		
HD135A1BAA	135A	04/09/2001	SOIL GRID	1.50	2.00		
HD135B1AAA	135B	04/09/2001	SOIL GRID	0.00	0.50		
HD135B1BAA	135B	04/09/2001	SOIL GRID	1.50	2.00		
HD135C1AAA	135C	04/09/2001	SOIL GRID	0.00	0.50		
HD135C1BAA	135C	04/09/2001	SOIL GRID	1.50	2.00		
HD135D1AAA	135D	04/09/2001	SOIL GRID	0.00	0.50		
HD135D1BAA	135D	04/09/2001	SOIL GRID	1.50	2.00		
HD135D1BAD	135D	04/09/2001	SOIL GRID	1.50	2.00		
HD135E1AAA	135E	04/09/2001	SOIL GRID	0.00	0.50		
HD135E1BAA	135E	04/09/2001	SOIL GRID	1.50	2.00		
HD135F1AAA	135F	04/09/2001	SOIL GRID	0.00	0.50		
HD135F1BAA	135F	04/09/2001	SOIL GRID	1.50	2.00		
HD135G1AAA	135G	04/09/2001	SOIL GRID	0.00	0.50		
HD135G1BAA	135G	04/09/2001	SOIL GRID	1.50	2.00		
HD135H1AAA	135H	04/09/2001	SOIL GRID	0.00	0.50		
HD135H1BAA	135H	04/09/2001	SOIL GRID	1.50	2.00		
HD135H1BAD	135H	04/09/2001	SOIL GRID	1.50	2.00		
HD136D1AAA	136D	04/26/2001	SOIL GRID	0.00	0.50		
HD136D1BAA	136D	04/26/2001	SOIL GRID	1.50	2.00		
HD136D1BAD	136D	04/26/2001	SOIL GRID	1.50	2.00		
HD136E1AAA	136E	04/26/2001	SOIL GRID	0.00	0.50		
HD136E1BAA	136E	04/26/2001	SOIL GRID	1.50	2.00		
HD136F1AAA	136F	04/26/2001	SOIL GRID	0.00	0.50		
HD136F1BAA	136F	04/26/2001	SOIL GRID	1.50	2.00		
HD136G1AAA	136G	04/09/2001	SOIL GRID	0.00	0.50		
HD136G1AAA	136G	04/26/2001	SOIL GRID	0.00	0.50		
HD136G1BAA	136G	04/09/2001	SOIL GRID	1.50	2.00		
HD136G1BAA	136G	04/26/2001	SOIL GRID	1.50	2.00		
HD136H1AAA	136H	04/09/2001	SOIL GRID	0.00	0.50		
HD136H1AAA	136H	04/26/2001	SOIL GRID	0.00	0.50		
HD136H1BAA	136H	04/09/2001	SOIL GRID	1.50	2.00		
HD136H1BAA	136H	04/26/2001	SOIL GRID	1.50	2.00		
HD136I1AAA	136I	04/26/2001	SOIL GRID	0.00	0.50		

Profiling methods include: Volatiles and Explosives
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
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TABLE 2
SAMPLING PROGRESS
4/1/2001-4/30/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD136I1BAA	136I	04/26/2001	SOIL GRID	1.50	2.00		
HD136I1BAD	136I	04/26/2001	SOIL GRID	1.50	2.00		
HD136J1AAA	136J	04/09/2001	SOIL GRID	0.00	0.50		
HD136J1BAA	136J	04/09/2001	SOIL GRID	1.50	2.00		
HD136K1AAA	136K	04/26/2001	SOIL GRID	0.00	0.50		
HD136K1BAA	136K	04/26/2001	SOIL GRID	1.50	2.00		
HD136L1AAA	136L	04/09/2001	SOIL GRID	0.00	0.50		
HD136L1BAA	136L	04/09/2001	SOIL GRID	1.50	2.00		
HD136M1AAA	136M	04/09/2001	SOIL GRID	0.00	0.50		
HD136M1BAA	136M	04/09/2001	SOIL GRID	1.50	2.00		
HD137A1AAA	137A	04/11/2001	SOIL GRID	0.00	0.25		
HD137A1BAA	137A	04/11/2001	SOIL GRID	0.25	0.50		
HD137A1CAA	137A	04/11/2001	SOIL GRID	0.50	1.00		
HD137B1AAA	137B	04/11/2001	SOIL GRID	0.00	0.25		
HD137B1BAA	137B	04/11/2001	SOIL GRID	0.25	0.50		
HD137B1CAA	137B	04/11/2001	SOIL GRID	0.50	1.00		
HD138A1AAA	138A	04/11/2001	SOIL GRID	0.00	0.25		
HD138A1BAA	138A	04/11/2001	SOIL GRID	0.25	0.50		
HD138A1CAA	138A	04/11/2001	SOIL GRID	0.50	1.00		
HD138B1AAA	138B	04/13/2001	SOIL GRID	0.00	0.25		
HD138B1BAA	138B	04/13/2001	SOIL GRID	0.25	0.50		
HD138B1CAA	138B	04/13/2001	SOIL GRID	0.50	1.00		
HD139A1AAA	139A	04/12/2001	SOIL GRID	0.00	0.25		
HD139A1BAA	139A	04/12/2001	SOIL GRID	0.25	0.50		
HD139A1CAA	139A	04/12/2001	SOIL GRID	0.50	1.00		
HD139B1AAA	139B	04/13/2001	SOIL GRID	0.00	0.25		
HD139B1BAA	139B	04/13/2001	SOIL GRID	0.25	0.50		
HD139B1CAA	139B	04/13/2001	SOIL GRID	0.50	1.00		
HD139C1AAA	139C	04/17/2001	SOIL GRID	0.00	0.25		
HD139C1BAA	139C	04/17/2001	SOIL GRID	0.25	0.50		
HD139C1CAA	139C	04/17/2001	SOIL GRID	0.50	1.00		
HD140A1AAA	140A	04/18/2001	SOIL GRID	0.00	0.50		
HD140A1BAA	140A	04/18/2001	SOIL GRID	1.50	2.00		
HD140B1AAA	140B	04/18/2001	SOIL GRID	0.00	0.50		
HD140B1BAA	140B	04/18/2001	SOIL GRID	1.50	2.00		
HD140C1AAA	140C	04/18/2001	SOIL GRID	0.00	0.50		
HD140C1BAA	140C	04/18/2001	SOIL GRID	1.50	2.00		
HD140C1BAD	140C	04/18/2001	SOIL GRID	1.50	2.00		
HD140D1AAA	140D	04/18/2001	SOIL GRID	0.00	0.50		
HD140D1BAA	140D	04/18/2001	SOIL GRID	1.50	2.00		
HD140E1AAA	140E	04/18/2001	SOIL GRID	0.00	0.50		
HD140E1BAA	140E	04/18/2001	SOIL GRID	1.50	2.00		
HD140F1AAA	140F	04/18/2001	SOIL GRID	0.00	0.50		
HD140F1BAA	140F	04/18/2001	SOIL GRID	1.50	2.00		
HD140F1BAD	140F	04/18/2001	SOIL GRID	1.50	2.00		
HD140G1AAA	140G	04/18/2001	SOIL GRID	0.00	0.50		
HD140G1BAA	140G	04/18/2001	SOIL GRID	1.50	2.00		
HD140H1AAA	140H	04/18/2001	SOIL GRID	0.00	0.50		
HD140H1BAA	140H	04/18/2001	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
4/1/2001-4/30/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD140I1AAA	140I	04/18/2001	SOIL GRID	0.00	0.50		
HD140I1BAA	140I	04/18/2001	SOIL GRID	1.50	2.00		
HD140J1AAA	140J	04/18/2001	SOIL GRID	0.00	0.50		
HD140J1BAA	140J	04/18/2001	SOIL GRID	1.50	2.00		
HD141A1AAA	141A	04/27/2001	SOIL GRID	0.00	0.25		
HD141A1BAA	141A	04/27/2001	SOIL GRID	0.25	0.50		
HD141A1CAA	141A	04/27/2001	SOIL GRID	0.50	1.00		
HD141B1AAA	141B	04/30/2001	SOIL GRID	0.00	0.25		
HD141B1BAA	141B	04/30/2001	SOIL GRID	0.25	0.50		
HD141B1CAA	141B	04/30/2001	SOIL GRID	0.50	1.00		
HD141C1AAA	141C	04/30/2001	SOIL GRID	0.00	0.25		
HD141C1BAA	141C	04/30/2001	SOIL GRID	0.25	0.50		
HD141C1CAA	141C	04/30/2001	SOIL GRID	0.50	1.00		
HD142A1AAA	142A	04/19/2001	SOIL GRID	0.00	0.25		
HD142A1BAA	142A	04/19/2001	SOIL GRID	0.25	0.50		
HD142A1CAA	142A	04/19/2001	SOIL GRID	0.50	1.00		
HD143A1AAA	143A	04/20/2001	SOIL GRID	0.00	0.50		
HD143A1BAA	143A	04/20/2001	SOIL GRID	1.50	2.00		
HD143B1AAA	143B	04/20/2001	SOIL GRID	0.00	0.50		
HD143B1BAA	143B	04/20/2001	SOIL GRID	1.50	2.00		
HD143B1BAD	143B	04/20/2001	SOIL GRID	1.50	2.00		
HD143C1AAA	143C	04/20/2001	SOIL GRID	0.00	0.50		
HD143C1BAA	143C	04/20/2001	SOIL GRID	1.50	2.00		
HD143D1AAA	143D	04/20/2001	SOIL GRID	0.00	0.50		
HD143D1BAA	143D	04/20/2001	SOIL GRID	1.50	2.00		
HD143E1AAA	143E	04/20/2001	SOIL GRID	0.00	0.50		
HD143E1BAA	143E	04/20/2001	SOIL GRID	1.50	2.00		
HD143F1AAA	143F	04/27/2001	SOIL GRID	0.00	0.50		
HD143F1BAA	143F	04/27/2001	SOIL GRID	1.50	2.00		
HD143G1AAA	143G	04/20/2001	SOIL GRID	0.00	0.50		
HD143G1BAA	143G	04/20/2001	SOIL GRID	1.50	2.00		
HD143H1AAA	143H	04/20/2001	SOIL GRID	0.00	0.50		
HD143H1BAA	143H	04/20/2001	SOIL GRID	1.50	2.00		
HD143H1BAD	143H	04/20/2001	SOIL GRID	1.50	2.00		
HD143I1AAA	143I	04/20/2001	SOIL GRID	0.00	0.50		
HD143I1BAA	143I	04/20/2001	SOIL GRID	1.50	2.00		
HD143J1AAA	143J	04/20/2001	SOIL GRID	0.00	0.50		
HD143J1BAA	143J	04/20/2001	SOIL GRID	1.50	2.00		
HD143K1AAA	143K	04/20/2001	SOIL GRID	0.00	0.50		
HD143K1BAA	143K	04/20/2001	SOIL GRID	1.50	2.00		
HD143L1AAA	143L	04/23/2001	SOIL GRID	0.00	0.50		
HD143L1BAA	143L	04/23/2001	SOIL GRID	1.50	2.00		
HD143M1AAA	143M	04/23/2001	SOIL GRID	0.00	0.50		
HD143M1BAA	143M	04/23/2001	SOIL GRID	1.50	2.00		
HD143N1AAA	143N	04/23/2001	SOIL GRID	0.00	0.50		
HD143N1BAA	143N	04/23/2001	SOIL GRID	1.50	2.00		
HD143O1AAA	143O	04/23/2001	SOIL GRID	0.00	0.50		
HD143O1BAA	143O	04/23/2001	SOIL GRID	1.50	2.00		
HD143O1BAD	143O	04/23/2001	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
4/1/2001-4/30/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD143P1AAA	143P	04/24/2001	SOIL GRID	0.00	0.50		
HD143P1BAA	143P	04/24/2001	SOIL GRID	1.50	2.00		
HD143Q1AAA	143Q	04/27/2001	SOIL GRID	0.00	0.50		
HD143Q1BAA	143Q	04/27/2001	SOIL GRID	1.50	2.00		
HD143R1AAA	143R	04/24/2001	SOIL GRID	0.00	0.50		
HD143R1BAA	143R	04/24/2001	SOIL GRID	1.50	2.00		
HD143S1AAA	143S	04/25/2001	SOIL GRID	0.00	0.50		
HD143S1BAA	143S	04/25/2001	SOIL GRID	1.50	2.00		
HD143T1AAA	143T	04/24/2001	SOIL GRID	0.00	0.50		
HD143T1BAA	143T	04/24/2001	SOIL GRID	1.50	2.00		
HD143U1AAA	143U	04/24/2001	SOIL GRID	0.00	0.50		
HD143U1BAA	143U	04/24/2001	SOIL GRID	1.50	2.00		
HD143V1AAA	143V	04/25/2001	SOIL GRID	0.00	0.50		
HD143V1BAA	143V	04/25/2001	SOIL GRID	1.50	2.00		
HD143W1AAA	143W	04/25/2001	SOIL GRID	0.00	0.50		
HD143W1BAA	143W	04/25/2001	SOIL GRID	1.50	2.00		
HD143X1AAA	143X	04/25/2001	SOIL GRID	0.00	0.50		
HD143X1BAA	143X	04/25/2001	SOIL GRID	1.50	2.00		
HD143Y1AAA	143Y	04/25/2001	SOIL GRID	0.00	0.50		
HD143Y1BAA	143Y	04/25/2001	SOIL GRID	1.50	2.00		
HD61FA1AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25		
HD61FA2AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25		
HD61FA3AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25		
HD61FA4AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25		
HD61FA5AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25		
HD61FA5AAD	61FA	04/17/2001	SOIL GRID	0.00	0.25		
HD61FA6AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25		
HD61FA7AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25		
HD61FA8AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25		
HD61FA9AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25		
HD61K1AAA	61K	04/10/2001	SOIL GRID	0.00	0.50		
HD61K1BAA	61K	04/10/2001	SOIL GRID	1.50	2.00		
HD61L1AAA	61L	04/10/2001	SOIL GRID	0.00	0.50		
HD61L1BAA	61L	04/10/2001	SOIL GRID	1.50	2.00		
HD61M1AAA	61M	04/06/2001	SOIL GRID	0.00	0.50		
HD61M1BAA	61M	04/06/2001	SOIL GRID	1.50	2.00		
HD61N1AAA	61N	04/06/2001	SOIL GRID	0.00	0.50		
HD61N1BAA	61N	04/06/2001	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
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BWTS = Depth below water table, start depth, measured in feet
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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH APRIL 2001

Friday, May 04, 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
ECMWSNP02	ECMWSNP02D	09/13/1999	504	1,2-DIBROMOETHANE (ETHYI	110.00		NG/L	79.90	84.90	50.00	X
MW-41	W41M1A	05/18/2000	8151	PENTACHLOROPHENOL	1.80	J	UG/L	110.00	120.00	1.00	X
MW-19	W19SSA	03/05/1998	8330N	2,4,6-TRINITROTOLUENE	10.00	J	UG/L	0.00	10.00	2.00	X
MW-19	W19S2A	07/20/1998	8330N	2,4,6-TRINITROTOLUENE	16.00		UG/L	0.00	10.00	2.00	X
MW-19	W19S2D	07/20/1998	8330N	2,4,6-TRINITROTOLUENE	16.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	02/12/1999	8330N	2,4,6-TRINITROTOLUENE	7.20	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	09/10/1999	8330N	2,4,6-TRINITROTOLUENE	2.60	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	05/12/2000	8330N	2,4,6-TRINITROTOLUENE	3.70	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	05/23/2000	8330N	2,4,6-TRINITROTOLUENE	3.90	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	08/08/2000	8330N	2,4,6-TRINITROTOLUENE	2.00	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	12/08/2000	8330N	2,4,6-TRINITROTOLUENE	2.30	J	UG/L	0.00	10.00	2.00	X
MW-31	W31SSA	05/15/2000	8330N	2,4,6-TRINITROTOLUENE	3.30		UG/L	0.00	10.00	2.00	X
MW-31	W31SSA	08/09/2000	8330N	2,4,6-TRINITROTOLUENE	3.90	J	UG/L	0.00	10.00	2.00	X
MW-31	W31SSA	12/08/2000	8330N	2,4,6-TRINITROTOLUENE	5.20	J	UG/L	0.00	10.00	2.00	X
MW-31	W31DDA	08/09/2000	8330N	2,4,6-TRINITROTOLUENE	3.90	J	UG/L	49.00	54.00	2.00	X
58MW0002	WC2XXA	02/26/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	19.00		UG/L	4.00	9.00	2.00	X
58MW0002	WC2XXA	01/14/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	20.00		UG/L	4.00	9.00	2.00	X
58MW0002	WC2XXA	10/08/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.80		UG/L	4.00	9.00	2.00	X
58MW0009E	WC9EXA	10/02/1997	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.70		UG/L	21.00	26.00	2.00	X
58MW0009E	WC9EXA	01/26/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	17.00		UG/L	21.00	26.00	2.00	X
58MW0009E	WC9EXA	09/28/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	18.00		UG/L	21.00	26.00	2.00	X
58MW0009E	WC9EXD	09/28/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	18.00		UG/L	21.00	26.00	2.00	X
90MW0022	WF22XA	01/26/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.80		UG/L	80.00	85.00	2.00	X
90MW0022	WF22XA	02/16/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.40		UG/L	80.00	85.00	2.00	X
90MW0022	WF22XA	09/30/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.20		UG/L	80.00	85.00	2.00	X
90WT0013	WF13XA	01/16/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.20	J	UG/L	2.00	12.00	2.00	X
MW-1	W01SSA	09/30/1997	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	0.00	10.00	2.00	X
MW-1	W01SSD	09/30/1997	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	02/22/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.80		UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	09/07/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	05/31/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.10	J	UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	07/31/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.80	J	UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	11/18/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.20		UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	12/12/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.10	J	UG/L	0.00	10.00	2.00	X
MW-1	W01SSD	12/12/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.40		UG/L	0.00	10.00	2.00	X

BWTS = DEPTH BELOW WATER TABLE, START DEPTH, MEASURED IN FEET
BWTE = DEPTH BELOW WATER TABLE, END DEPTH, MEASURED IN FEET
DW LIMIT = EITHER THE MCL OR LOWEST HEALTH ADVISORY CONCENTRATION (CHILD, ADULT OR LIFETIME)
>DW LIMIT = EQUALS OR EXCEEDS EITHER THE MCL OR LOWEST HEALTH ADVISORY CONCENTRATION (CHILD, ADULT, OR LIFETIME)

TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH APRIL 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-1	W01MMA	09/29/1997	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.60		UG/L	40.00	45.00	2.00	X
MW-1	W01M2A	03/01/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20		UG/L	40.00	45.00	2.00	X
MW-1	W01M2A	05/10/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.90		UG/L	40.00	45.00	2.00	X
MW-1	W01M2A	07/31/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.40	J	UG/L	40.00	45.00	2.00	X
MW-1	W01M2A	11/18/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.10		UG/L	40.00	45.00	2.00	X
MW-1	W01M2D	11/18/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.00		UG/L	40.00	45.00	2.00	X
MW-100	W100M1A	01/27/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.90		UG/L	43.80	53.80	2.00	X
MW-100	W100M1A	06/06/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.30		UG/L	44.48	54.48	2.00	X
MW-100	W100M1D	06/06/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.30		UG/L	44.48	54.48	2.00	X
MW-100	W100M1A	10/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.90		UG/L	44.48	54.48	2.00	X
MW-101	W101M1A	06/06/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	25.38	35.38	2.00	X
MW-105	W105M1A	01/27/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.30		UG/L	74.65	84.65	2.00	X
MW-105	W105M1A	06/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.90		UG/L	75.08	85.08	2.00	X
MW-105	W105M1A	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.90		UG/L	75.08	85.08	2.00	X
MW-107	W107M2A	06/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.00		UG/L	3.11	13.11	2.00	X
MW-107	W107M2A	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.10		UG/L	3.11	13.11	2.00	X
MW-111	W111M3A	10/10/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20		UG/L	29.80	39.80	2.00	X
MW-113	W113M2A	09/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	9.20		UG/L	47.14	57.14	2.00	X
MW-113	W113M2A	01/15/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	11.00		UG/L	47.14	57.14	2.00	X
MW-114	W114M2A	10/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	140.00		UG/L	37.68	47.68	2.00	X
MW-114	W114M2D	10/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	140.00		UG/L	37.68	47.68	2.00	X
MW-132	W132SSA	11/09/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50	J	UG/L	0.00	10.00	2.00	X
MW-132	W132SSA	02/16/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.40	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	03/05/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	190.00		UG/L	0.00	10.00	2.00	X
MW-19	W19S2A	07/20/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	260.00		UG/L	0.00	10.00	2.00	X
MW-19	W19S2D	07/20/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	260.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	02/12/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	250.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	09/10/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	240.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	05/12/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	150.00	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	05/23/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	160.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	08/08/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	290.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	12/08/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	200.00		UG/L	0.00	10.00	2.00	X
MW-2	W02M2A	01/20/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	13.00		UG/L	31.00	36.00	2.00	X
MW-2	W02M2A	02/03/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.80		UG/L	31.00	36.00	2.00	X
MW-2	W02M2A	09/03/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.80		UG/L	31.00	36.00	2.00	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH APRIL 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-2	W02M2A	05/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.30	J	UG/L	31.00	36.00	2.00	X
MW-2	W02M2A	08/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	31.00	36.00	2.00	X
MW-2	W02M2A	11/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	31.00	36.00	2.00	X
MW-2	W02M1A	08/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	73.00	78.00	2.00	X
MW-23	W23M1A	11/07/1997	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.30	J	UG/L	99.00	109.00	2.00	X
MW-23	W23M1A	03/18/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.40		UG/L	99.00	109.00	2.00	X
MW-23	W23M1D	03/18/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.70		UG/L	99.00	109.00	2.00	X
MW-23	W23M1A	09/13/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.10		UG/L	99.00	109.00	2.00	X
MW-23	W23M1A	05/12/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.60	J	UG/L	99.00	109.00	2.00	X
MW-23	W23M1A	08/08/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.30		UG/L	99.00	109.00	2.00	X
MW-23	W23M1A	12/04/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.00		UG/L	99.00	109.00	2.00	X
MW-23	W23M1D	12/04/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.20		UG/L	99.00	109.00	2.00	X
MW-25	W25SSA	10/16/1997	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.00		UG/L	0.00	10.00	2.00	X
MW-25	W25SSA	03/17/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	0.00	10.00	2.00	X
MW-31	W31SSA	07/15/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	64.00		UG/L	0.00	10.00	2.00	X
MW-31	W31SSA	02/01/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	210.00		UG/L	0.00	10.00	2.00	X
MW-31	W31SSA	09/15/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	50.00		UG/L	0.00	10.00	2.00	X
MW-31	W31SSA	05/15/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	110.00		UG/L	0.00	10.00	2.00	X
MW-31	W31SSA	08/09/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	140.00		UG/L	0.00	10.00	2.00	X
MW-31	W31SSA	12/08/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	120.00		UG/L	0.00	10.00	2.00	X
MW-31	W31MMA	07/15/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	280.00		UG/L	29.00	39.00	2.00	X
MW-31	W31MMA	02/02/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	370.00		UG/L	29.00	39.00	2.00	X
MW-31	W31MMA	09/15/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	29.00	39.00	2.00	X
MW-31	W31M1A	05/15/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	19.00		UG/L	29.00	39.00	2.00	X
MW-31	W31M1A	08/09/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	14.00		UG/L	29.00	39.00	2.00	X
MW-31	W31DDA	08/09/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	150.00		UG/L	49.00	54.00	2.00	X
MW-34	W34M2A	02/19/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.20		UG/L	55.00	65.00	2.00	X
MW-34	W34M2A	05/18/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.70		UG/L	55.00	65.00	2.00	X
MW-34	W34M2A	08/10/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.10		UG/L	55.00	65.00	2.00	X
MW-34	W34M2A	11/17/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	55.00	65.00	2.00	X
MW-34	W34M1A	05/17/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20		UG/L	75.00	85.00	2.00	X
MW-34	W34M1A	08/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.00		UG/L	75.00	85.00	2.00	X
MW-34	W34M1A	11/17/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.50		UG/L	75.00	85.00	2.00	X
MW-37	W37M2A	09/29/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.90		UG/L	28.00	38.00	2.00	X
MW-37	W37M2A	12/29/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.60		UG/L	28.00	38.00	2.00	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH APRIL 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-37	W37M2A	03/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.10		UG/L	28.00	38.00	2.00	X
MW-37	W37M2A	08/31/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.80	J	UG/L	28.00	38.00	2.00	X
MW-37	W37M2A	11/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	28.00	38.00	2.00	X
MW-37	W37M2D	11/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	28.00	38.00	2.00	X
MW-38	W38M3A	05/06/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	53.00	63.00	2.00	X
MW-38	W38M3A	08/18/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.60		UG/L	53.00	63.00	2.00	X
MW-38	W38M3A	11/10/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.00		UG/L	53.00	63.00	2.00	X
MW-38	W38M3A	05/16/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.90	J	UG/L	53.00	63.00	2.00	X
MW-38	W38M3A	08/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.60		UG/L	53.00	63.00	2.00	X
MW-38	W38M3A	11/20/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	53.00	63.00	2.00	X
MW-40	W40M1A	09/21/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.80		UG/L	15.50	25.50	2.00	X
MW-40	W40M1D	09/21/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.60		UG/L	15.50	25.50	2.00	X
MW-40	W40M1A	12/30/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.00	J	UG/L	15.50	25.50	2.00	X
MW-40	W40M1A	04/14/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.00	J	UG/L	15.50	25.50	2.00	X
MW-40	W40M1A	09/01/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40	J	UG/L	15.50	25.50	2.00	X
MW-40	W40M1A	11/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	15.50	25.50	2.00	X
MW-58	W58SSA	11/23/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.70	J	UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	02/15/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.00		UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	05/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.40	J	UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	09/05/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.10		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	07/09/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	50.00	J	UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	09/16/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	63.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	11/02/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	57.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	06/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	44.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	09/05/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	11/14/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	28.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSD	11/14/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	0.00	10.00	2.00	X
MW-76	W76SSA	01/20/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	11.00		UG/L	0.00	10.00	2.00	X
MW-76	W76SSA	05/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.50	J	UG/L	0.00	10.00	2.00	X
MW-76	W76SSA	08/01/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	0.00	10.00	2.00	X
MW-76	W76M2A	01/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	31.00		UG/L	35.00	45.00	2.00	X
MW-76	W76M2D	01/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	35.00	45.00	2.00	X
MW-76	W76M2A	05/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	37.00	J	UG/L	35.00	45.00	2.00	X
MW-76	W76M2A	08/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	31.00		UG/L	35.00	45.00	2.00	X
MW-76	W76M2A	12/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	46.00		UG/L	35.00	45.00	2.00	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH APRIL 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-76	W76M1A	12/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.30		UG/L	55.00	65.00	2.00	X
MW-77	W77M2A	01/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	150.00		UG/L	35.00	45.00	2.00	X
MW-77	W77M2A	05/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	100.00	J	UG/L	35.00	45.00	2.00	X
MW-77	W77M2A	08/01/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	97.00	J	UG/L	35.00	45.00	2.00	X
MW-77	W77M2A	12/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	93.00		UG/L	35.00	45.00	2.00	X
MW-85	W85M1A	02/10/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	24.00		UG/L	17.70	27.70	2.00	X
MW-85	W85M1A	05/22/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	18.39	28.39	2.00	X
MW-86	W86SSA	04/28/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50	J	UG/L	0.00	10.00	2.00	X
MW-87	W87M1A	04/28/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.50	J	UG/L	59.53	69.53	2.00	X
MW-87	W87M1A	09/14/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.00		UG/L	59.53	69.53	2.00	X
MW-87	W87M1A	01/10/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.60		UG/L	59.53	69.53	2.00	X
MW-88	W88M2A	05/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.00		UG/L	69.60	79.60	2.00	X
MW-88	W88M2A	09/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.70		UG/L	69.60	79.60	2.00	X
MW-88	W88M2A	01/10/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.80		UG/L	69.60	79.60	2.00	X
MW-89	W89M2A	05/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.30		UG/L	68.95	78.95	2.00	X
MW-89	W89M2A	09/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.30		UG/L	68.95	78.95	2.00	X
MW-89	W89M2A	01/11/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.50		UG/L	68.95	78.95	2.00	X
MW-90	W90SSA	05/19/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.40	J	UG/L	0.00	10.00	2.00	X
MW-90	W90M1A	10/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	24.87	34.87	2.00	X
MW-91	W91SSA	05/19/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	12.00		UG/L	0.00	10.00	2.00	X
MW-91	W91SSA	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	13.00		UG/L	0.00	10.00	2.00	X
MW-91	W91SSA	01/20/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	12.00		UG/L	0.00	10.00	2.00	X
MW-91	W91M1A	01/20/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	12.00		UG/L	42.85	52.85	2.00	X
MW-91	W91M1A	05/22/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	18.00		UG/L	43.47	53.37	2.00	X
MW-91	W91M1A	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	11.00		UG/L	43.47	53.37	2.00	X
MW-91	W91M1D	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	11.00		UG/L	43.47	53.37	2.00	X
MW-93	W93SSA	01/20/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10	J	UG/L	14.05	24.05	2.00	X
MW-93	W93M2A	05/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.20		UG/L	14.50	24.50	2.00	X
MW-93	W93SSA	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.20		UG/L	14.50	24.50	2.00	X
MW-93	W93M1A	01/22/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40	J	UG/L	54.20	64.20	2.00	X
MW-93	W93M1D	01/22/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	54.20	64.20	2.00	X
MW-93	W93M1A	05/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20	J	UG/L	54.90	64.90	2.00	X
MW-93	W93M1A	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	54.90	64.90	2.00	X
MW-95	W95M1A	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20		UG/L	74.99	84.99	2.00	X
MW-98	W98M1A	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.10		UG/L	25.06	35.06	2.00	X

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1997 THROUGH APRIL 2001

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MW-99	W99M1A	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.90		UG/L	55.00	65.00	2.00	X
MW-99	W99M1D	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.90		UG/L	55.00	65.00	2.00	X
MW-99	W99M1A	09/29/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.00		UG/L	55.00	65.00	2.00	X
MW-99	W99M1A	01/13/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.20		UG/L	55.00	65.00	2.00	X
MW-114	W114M2A	12/29/2000	E314.0	PERCHLORATE	300.00		UG/L	37.68	47.68	18.00	X
MW-13	W13DDL	12/15/2000	E314.0	PERCHLORATE	109.00		UG/L	140.00	145.00	18.00	X
MW-31	W31SSA	08/09/2000	E314.0	PERCHLORATE	40.00	J	UG/L	0.00	10.00	18.00	X
MW-31	W31SSA	12/08/2000	E314.0	PERCHLORATE	30.00		UG/L	0.00	10.00	18.00	X
MW-31	W31M1A	08/09/2000	E314.0	PERCHLORATE	50.00	J	UG/L	29.00	39.00	18.00	X
MW-34	W34M2A	08/10/2000	E314.0	PERCHLORATE	60.00	J	UG/L	55.00	65.00	18.00	X
MW-34	W34M2A	12/18/2000	E314.0	PERCHLORATE	34.00		UG/L	55.00	65.00	18.00	X
MW-77	W77M2A	12/06/2000	E314.0	PERCHLORATE	28.00		UG/L	35.00	45.00	18.00	X
MW-1	W01SSA	09/07/1999	IM40MB	ANTIMONY	6.70	J	UG/L	0.00	10.00	6.00	X
MW-3	W03DDL	03/06/1998	IM40MB	ANTIMONY	13.80	J	UG/L	218.00	223.00	6.00	X
MW-34	W34M2A	08/16/1999	IM40MB	ANTIMONY	6.60	J	UG/L	55.00	65.00	6.00	X
MW-35	W35SSA	08/19/1999	IM40MB	ANTIMONY	6.90	J	UG/L	0.00	10.00	6.00	X
MW-35	W35SSD	08/19/1999	IM40MB	ANTIMONY	13.80	J	UG/L	0.00	10.00	6.00	X
MW-36	W36SSA	08/17/1999	IM40MB	ANTIMONY	6.70	J	UG/L	0.00	10.00	6.00	X
MW-38	W38SSA	08/18/1999	IM40MB	ANTIMONY	7.40		UG/L	0.00	10.00	6.00	X
MW-38	W38M3A	08/18/1999	IM40MB	ANTIMONY	6.60	J	UG/L	53.00	63.00	6.00	X
MW-38	W38DDA	08/17/1999	IM40MB	ANTIMONY	6.90	J	UG/L	125.00	135.00	6.00	X
MW-39	W39M1A	08/18/1999	IM40MB	ANTIMONY	7.50		UG/L	87.00	97.00	6.00	X
MW-50	W50M1A	05/15/2000	IM40MB	ANTIMONY	9.50		UG/L	90.00	100.00	6.00	X
PPAWSMW-3	PPAWSMW-3	08/12/1999	IM40MB	ANTIMONY	6.00	J	UG/L	0.00	10.00	6.00	X
MW-7	W07M1A	09/07/1999	IM40MB	ARSENIC	52.80		UG/L	67.00	72.00	50.00	X
MW-52	W52M3L	08/27/1999	IM40MB	CADMIUM	12.20		UG/L	26.00	36.00	5.00	X
MW-7	W07M1A	09/07/1999	IM40MB	CHROMIUM, TOTAL	114.00		UG/L	67.00	72.00	100.00	X
MW-2	W02SSA	02/23/1998	IM40MB	LEAD	20.10		UG/L	0.00	10.00	15.00	X
MW-7	W07M1A	09/07/1999	IM40MB	LEAD	40.20		UG/L	67.00	72.00	15.00	X
MW-7	W07M1D	09/07/1999	IM40MB	LEAD	18.30		UG/L	67.00	72.00	15.00	X
ASPWELL	ASPWELL	07/20/1999	E200.8	LEAD	53.00		UG/L	0.00	0.00	15.00	X
ASPWELL	ASPWELL	12/12/2000	IM40PB	LEAD	20.90		UG/L	0.00	0.00	15.00	X
MW-13	W13SSA	01/27/1998	IM40MB	MOLYBDENUM	11.20		UG/L	0.00	10.00	10.00	X
MW-13	W13SSL	01/27/1998	IM40MB	MOLYBDENUM	10.40	J	UG/L	0.00	10.00	10.00	X
MW-13	W13DDA	01/26/1998	IM40MB	MOLYBDENUM	26.60		UG/L	140.00	145.00	10.00	X

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MW-13	W13DDL	01/26/1998	IM40MB	MOLYBDENUM	30.40		UG/L	140.00	145.00	10.00	X
MW-13	W13DDA	03/11/1999	IM40MB	MOLYBDENUM	11.00		UG/L	140.00	145.00	10.00	X
MW-13	W13DDD	03/11/1999	IM40MB	MOLYBDENUM	12.10	J	UG/L	140.00	145.00	10.00	X
MW-13	W13DDA	09/09/1999	IM40MB	MOLYBDENUM	17.30		UG/L	140.00	145.00	10.00	X
MW-13	W13DDA	05/17/2000	IM40MB	MOLYBDENUM	17.00		UG/L	140.00	145.00	10.00	X
MW-13	W13DDD	05/17/2000	IM40MB	MOLYBDENUM	16.80		UG/L	140.00	145.00	10.00	X
MW-13	W13DDA	12/15/2000	IM40MB	MOLYBDENUM	11.70		UG/L	140.00	145.00	10.00	X
MW-16	W16SSA	03/10/1999	IM40MB	MOLYBDENUM	21.00	J	UG/L	0.00	10.00	10.00	X
MW-16	W16DDA	03/09/1999	IM40MB	MOLYBDENUM	22.20		UG/L	108.00	113.00	10.00	X
MW-16	W16DDD	03/09/1999	IM40MB	MOLYBDENUM	23.20		UG/L	108.00	113.00	10.00	X
MW-16	W16DDA	09/09/1999	IM40MB	MOLYBDENUM	18.00	J	UG/L	108.00	113.00	10.00	X
MW-16	W16DDA	05/17/2000	IM40MB	MOLYBDENUM	12.20		UG/L	108.00	113.00	10.00	X
MW-16	W16DDA	08/03/2000	IM40MB	MOLYBDENUM	12.40		UG/L	108.00	113.00	10.00	X
MW-16	W16DDA	11/16/2000	IM40MB	MOLYBDENUM	16.80		UG/L	108.00	113.00	10.00	X
MW-17	W17M1L	05/18/1999	IM40MB	MOLYBDENUM	12.60		UG/L	97.00	107.00	10.00	X
MW-2	W02SSA	02/23/1998	IM40MB	MOLYBDENUM	72.10		UG/L	0.00	10.00	10.00	X
MW-2	W02SSL	02/23/1998	IM40MB	MOLYBDENUM	63.30		UG/L	0.00	10.00	10.00	X
MW-2	W02SSA	02/01/1999	IM40MB	MOLYBDENUM	26.10	J	UG/L	0.00	10.00	10.00	X
MW-2	W02SSL	02/01/1999	IM40MB	MOLYBDENUM	34.00		UG/L	0.00	10.00	10.00	X
MW-2	W02SSA	09/02/1999	IM40MB	MOLYBDENUM	29.00		UG/L	0.00	10.00	10.00	X
MW-2	W02SSL	09/02/1999	IM40MB	MOLYBDENUM	27.10		UG/L	0.00	10.00	10.00	X
MW-2	W02DDA	02/02/1999	IM40MB	MOLYBDENUM	25.60		UG/L	287.00	295.00	10.00	X
MW-2	W02DDL	02/02/1999	IM40MB	MOLYBDENUM	26.30	J	UG/L	287.00	295.00	10.00	X
MW-2	W02DDA	09/03/1999	IM40MB	MOLYBDENUM	12.80		UG/L	287.00	295.00	10.00	X
MW-45	W45SSA	05/29/2000	IM40MB	MOLYBDENUM	10.40		UG/L	0.00	10.00	10.00	X
MW-45	W45SSA	12/27/2000	IM40MB	MOLYBDENUM	10.30		UG/L	0.00	10.00	10.00	X
MW-46	W46M2A	03/30/1999	IM40MB	MOLYBDENUM	48.90		UG/L	55.00	65.00	10.00	X
MW-46	W46M2L	03/30/1999	IM40MB	MOLYBDENUM	51.00		UG/L	55.00	65.00	10.00	X
MW-46	W46M2A	08/24/1999	IM40MB	MOLYBDENUM	17.40		UG/L	55.00	65.00	10.00	X
MW-46	W46M1A	03/29/1999	IM40MB	MOLYBDENUM	32.80		UG/L	102.00	112.00	10.00	X
MW-46	W46DDA	04/01/1999	IM40MB	MOLYBDENUM	17.20		UG/L	135.00	145.00	10.00	X
MW-47	W47M3A	03/29/1999	IM40MB	MOLYBDENUM	43.10		UG/L	21.00	31.00	10.00	X
MW-47	W47M3L	03/29/1999	IM40MB	MOLYBDENUM	40.50		UG/L	21.00	31.00	10.00	X
MW-47	W47M2A	03/26/1999	IM40MB	MOLYBDENUM	11.00		UG/L	38.00	48.00	10.00	X
MW-48	W48M1A	11/23/1999	IM40MB	MOLYBDENUM	17.90		UG/L	90.00	100.00	10.00	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH APRIL 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-5	W05DDA	02/13/1998	IM40MB	MOLYBDENUM	28.30		UG/L	220.00	225.00	10.00	X
MW-5	W05DDL	02/13/1998	IM40MB	MOLYBDENUM	26.60		UG/L	220.00	225.00	10.00	X
MW-50	W50M2A	04/26/1999	IM40MB	MOLYBDENUM	20.60		UG/L	59.00	69.00	10.00	X
MW-50	W50M1A	04/27/1999	IM40MB	MOLYBDENUM	11.80		UG/L	90.00	100.00	10.00	X
MW-52	W52M3A	04/07/1999	IM40MB	MOLYBDENUM	72.60		UG/L	26.00	36.00	10.00	X
MW-52	W52M3L	04/07/1999	IM40MB	MOLYBDENUM	67.60		UG/L	26.00	36.00	10.00	X
MW-52	W52M3A	08/27/1999	IM40MB	MOLYBDENUM	23.40		UG/L	26.00	36.00	10.00	X
MW-52	W52M3L	08/27/1999	IM40MB	MOLYBDENUM	23.10		UG/L	26.00	36.00	10.00	X
MW-52	W52M3L	11/08/1999	IM40MB	MOLYBDENUM	10.50		UG/L	26.00	36.00	10.00	X
MW-52	W52M2A	04/29/1999	IM40MB	MOLYBDENUM	15.30		UG/L	74.00	84.00	10.00	X
MW-52	W52M2L	04/29/1999	IM40MB	MOLYBDENUM	18.50		UG/L	74.00	84.00	10.00	X
MW-52	W52DDA	04/02/1999	IM40MB	MOLYBDENUM	51.10		UG/L	219.00	229.00	10.00	X
MW-52	W52DDL	04/02/1999	IM40MB	MOLYBDENUM	48.90		UG/L	219.00	229.00	10.00	X
MW-52	W52DDA	08/30/1999	IM40MB	MOLYBDENUM	28.30		UG/L	219.00	229.00	10.00	X
MW-52	W52DDL	08/30/1999	IM40MB	MOLYBDENUM	26.80		UG/L	219.00	229.00	10.00	X
MW-52	W52DDA	11/09/1999	IM40MB	MOLYBDENUM	22.70		UG/L	219.00	229.00	10.00	X
MW-52	W52DDA	05/22/2000	IM40MB	MOLYBDENUM	12.20		UG/L	219.00	229.00	10.00	X
MW-52	W52DDA	08/17/2000	IM40MB	MOLYBDENUM	10.10		UG/L	219.00	229.00	10.00	X
MW-53	W53SSA	02/17/1999	IM40MB	MOLYBDENUM	24.90		UG/L	0.00	10.00	10.00	X
MW-53	W53SSL	02/17/1999	IM40MB	MOLYBDENUM	27.60		UG/L	0.00	10.00	10.00	X
MW-53	W53M1A	05/03/1999	IM40MB	MOLYBDENUM	122.00		UG/L	100.00	110.00	10.00	X
MW-53	W53M1L	05/03/1999	IM40MB	MOLYBDENUM	132.00		UG/L	100.00	110.00	10.00	X
MW-53	W53M1A	08/30/1999	IM40MB	MOLYBDENUM	55.20		UG/L	100.00	110.00	10.00	X
MW-53	W53M1L	08/30/1999	IM40MB	MOLYBDENUM	54.10		UG/L	100.00	110.00	10.00	X
MW-53	W53M1A	11/05/1999	IM40MB	MOLYBDENUM	41.20		UG/L	100.00	110.00	10.00	X
MW-53	W53M1L	11/05/1999	IM40MB	MOLYBDENUM	38.20		UG/L	100.00	110.00	10.00	X
MW-53	W53M1A	06/01/2000	IM40MB	MOLYBDENUM	10.30	J	UG/L	100.00	110.00	10.00	X
MW-53	W53DDA	02/18/1999	IM40MB	MOLYBDENUM	15.90		UG/L	157.00	167.00	10.00	X
MW-53	W53DDL	02/18/1999	IM40MB	MOLYBDENUM	17.40		UG/L	157.00	167.00	10.00	X
MW-53	W53DDA	08/30/1999	IM40MB	MOLYBDENUM	11.50		UG/L	157.00	167.00	10.00	X
MW-54	W54SSA	04/30/1999	IM40MB	MOLYBDENUM	56.70		UG/L	0.00	10.00	10.00	X
MW-54	W54SSL	04/30/1999	IM40MB	MOLYBDENUM	66.20		UG/L	0.00	10.00	10.00	X
MW-54	W54SSA	08/27/1999	IM40MB	MOLYBDENUM	61.40		UG/L	0.00	10.00	10.00	X
MW-54	W54SSA	11/08/1999	IM40MB	MOLYBDENUM	25.50		UG/L	0.00	10.00	10.00	X
MW-54	W54M2A	05/04/1999	IM40MB	MOLYBDENUM	11.20		UG/L	58.00	68.00	10.00	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH APRIL 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-54	W54M2L	05/04/1999	IM40MB	MOLYBDENUM	13.10		UG/L	58.00	68.00	10.00	X
MW-54	W54M2A	08/27/1999	IM40MB	MOLYBDENUM	43.70		UG/L	58.00	68.00	10.00	X
MW-54	W54M2L	08/27/1999	IM40MB	MOLYBDENUM	43.20		UG/L	58.00	68.00	10.00	X
MW-54	W54M2A	11/08/1999	IM40MB	MOLYBDENUM	14.50		UG/L	58.00	68.00	10.00	X
MW-54	W54M1A	04/30/1999	IM40MB	MOLYBDENUM	11.80		UG/L	80.00	90.00	10.00	X
MW-54	W54DDA	05/05/1999	IM40MB	MOLYBDENUM	17.50		UG/L	126.00	136.00	10.00	X
MW-55	W55SSA	05/17/1999	IM40MB	MOLYBDENUM	15.90		UG/L	0.00	10.00	10.00	X
MW-55	W55M2A	05/14/1999	IM40MB	MOLYBDENUM	21.80		UG/L	60.00	70.00	10.00	X
MW-55	W55M1A	05/13/1999	IM40MB	MOLYBDENUM	12.50		UG/L	90.00	100.00	10.00	X
MW-55	W55DDA	05/13/1999	IM40MB	MOLYBDENUM	22.60		UG/L	120.00	130.00	10.00	X
MW-55	W55DDA	08/30/1999	IM40MB	MOLYBDENUM	14.20		UG/L	120.00	130.00	10.00	X
MW-55	W55DDA	11/08/1999	IM40MB	MOLYBDENUM	11.00		UG/L	120.00	130.00	10.00	X
MW-57	W57SSA	12/21/1999	IM40MB	MOLYBDENUM	15.20		UG/L	0.00	10.00	10.00	X
MW-57	W57SSD	12/21/1999	IM40MB	MOLYBDENUM	16.30		UG/L	0.00	10.00	10.00	X
MW-57	W57SSA	03/22/2000	IM40MB	MOLYBDENUM	10.30	J	UG/L	0.00	10.00	10.00	X
MW-57	W57SSD	03/22/2000	IM40MB	MOLYBDENUM	10.10	J	UG/L	0.00	10.00	10.00	X
MW-57	W57M3A	12/13/1999	IM40MB	MOLYBDENUM	21.90		UG/L	30.00	40.00	10.00	X
MW-57	W57M2A	03/22/2000	IM40MB	MOLYBDENUM	10.80	J	UG/L	60.00	70.00	10.00	X
MW-57	W57DDA	12/13/1999	IM40MB	MOLYBDENUM	18.60		UG/L	125.00	135.00	10.00	X
MW-57	W57DDL	12/13/1999	IM40MB	MOLYBDENUM	17.80		UG/L	125.00	135.00	10.00	X
MW-63	W63SSA	09/21/1999	IM40MB	MOLYBDENUM	12.70		UG/L	0.00	10.00	10.00	X
MW-63	W63SSL	09/21/1999	IM40MB	MOLYBDENUM	11.10		UG/L	0.00	10.00	10.00	X
MW-7	W07M1A	09/07/1999	IM40MB	MOLYBDENUM	10.20		UG/L	67.00	72.00	10.00	X
MW-81	W81M1A	10/13/1999	IM40MB	MOLYBDENUM	24.30		UG/L	99.00	109.00	10.00	X
MW-81	W81M1L	10/13/1999	IM40MB	MOLYBDENUM	22.10		UG/L	99.00	109.00	10.00	X
MW-81	W81DDA	08/17/2000	IM40MB	MOLYBDENUM	10.10		UG/L	155.00	165.00	10.00	X
MW-82	W82DDA	10/13/1999	IM40MB	MOLYBDENUM	15.40		UG/L	96.00	106.00	10.00	X
MW-82	W82DDL	10/13/1999	IM40MB	MOLYBDENUM	14.40		UG/L	96.00	106.00	10.00	X
MW-83	W83DDA	10/12/1999	IM40MB	MOLYBDENUM	13.40		UG/L	105.00	115.00	10.00	X
15MW0002	15MW0002	04/08/1999	IM40MB	SODIUM	37,600.00		UG/L	0.00	10.00	20,000.00	X
90WT0010	90WT0010	06/05/2000	IM40MB	SODIUM	23,600.00		UG/L	2.00	12.00	20,000.00	X
90WT0010	90WT0010-L	06/05/2000	IM40MB	SODIUM	24,200.00		UG/L	2.00	12.00	20,000.00	X
90WT0015	90WT0015	04/23/1999	IM40MB	SODIUM	34,300.00		UG/L	0.00	10.00	20,000.00	X
MW-145	W145SSA	02/12/2001	IM40MB	SODIUM	37,000.00		UG/L	0.00	10.00	20,000.00	X
MW-16	W16SSA	11/17/1997	IM40MB	SODIUM	20,900.00		UG/L	0.00	10.00	20,000.00	X

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1997 THROUGH APRIL 2001

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MW-16	W16SSL	11/17/1997	IM40MB	SODIUM	20,400.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02SSA	02/23/1998	IM40MB	SODIUM	27,200.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02SSL	02/23/1998	IM40MB	SODIUM	26,300.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02SSA	02/01/1999	IM40MB	SODIUM	20,300.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02SSL	02/01/1999	IM40MB	SODIUM	20,100.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02DDA	11/19/1997	IM40MB	SODIUM	21,500.00		UG/L	287.00	295.00	20,000.00	X
MW-2	W02DDL	11/19/1997	IM40MB	SODIUM	22,600.00		UG/L	287.00	295.00	20,000.00	X
MW-21	W21SSA	10/24/1997	IM40MB	SODIUM	24,000.00		UG/L	0.00	10.00	20,000.00	X
MW-21	W21SSL	10/24/1997	IM40MB	SODIUM	24,200.00		UG/L	0.00	10.00	20,000.00	X
MW-21	W21SSA	11/15/2000	IM40MB	SODIUM	22,500.00		UG/L	0.00	10.00	20,000.00	X
MW-46	W46SSA	08/25/1999	IM40MB	SODIUM	20,600.00		UG/L	0.00	10.00	20,000.00	X
MW-46	W46SSA	06/15/2000	IM40MB	SODIUM	32,200.00		UG/L	0.00	10.00	20,000.00	X
MW-46	W46SSA	09/12/2000	IM40MB	SODIUM	31,300.00		UG/L	0.00	10.00	20,000.00	X
MW-46	W46SSA	11/17/2000	IM40MB	SODIUM	22,500.00	J	UG/L	0.00	10.00	20,000.00	X
MW-46	W46M2A	03/30/1999	IM40MB	SODIUM	23,300.00		UG/L	55.00	65.00	20,000.00	X
MW-46	W46M2L	03/30/1999	IM40MB	SODIUM	24,400.00		UG/L	55.00	65.00	20,000.00	X
MW-54	W54SSA	08/27/1999	IM40MB	SODIUM	33,300.00		UG/L	0.00	10.00	20,000.00	X
MW-57	W57M2A	12/21/1999	IM40MB	SODIUM	23,500.00		UG/L	60.00	70.00	20,000.00	X
MW-57	W57M2A	03/22/2000	IM40MB	SODIUM	24,500.00		UG/L	60.00	70.00	20,000.00	X
MW-57	W57M2A	06/30/2000	IM40MB	SODIUM	25,900.00		UG/L	60.00	70.00	20,000.00	X
MW-57	W57M2A	08/29/2000	IM40MB	SODIUM	23,200.00		UG/L	60.00	70.00	20,000.00	X
MW-57	W57M1A	12/14/1999	IM40MB	SODIUM	23,700.00		UG/L	100.00	110.00	20,000.00	X
MW-57	W57M1A	03/07/2000	IM40MB	SODIUM	20,900.00		UG/L	100.00	110.00	20,000.00	X
MW-57	W57M1A	07/05/2000	IM40MB	SODIUM	22,200.00		UG/L	100.00	110.00	20,000.00	X
MW-57	W57M1A	08/29/2000	IM40MB	SODIUM	20,100.00		UG/L	100.00	110.00	20,000.00	X
SDW261160	WG160L	01/07/1998	IM40MB	SODIUM	20,600.00		UG/L	0.00	0.00	20,000.00	X
SDW261160	WG160A	01/13/1999	IM40MB	SODIUM	27,200.00		UG/L	0.00	0.00	20,000.00	X
SDW261160	WG160L	01/13/1999	IM40MB	SODIUM	28,200.00		UG/L	0.00	0.00	20,000.00	X
03MW0006	03MW0006	04/15/1999	IM40MB	THALLIUM	2.60	J	UG/L	0.00	10.00	2.00	X
03MW0022A	03MW0022A	04/16/1999	IM40MB	THALLIUM	3.90		UG/L	71.00	76.00	2.00	X
03MW0027A	03MW0027A	04/14/1999	IM40MB	THALLIUM	2.00	J	UG/L	64.00	69.00	2.00	X
11MW0004	11MW0004	04/16/1999	IM40MB	THALLIUM	2.30	J	UG/L	0.00	10.00	2.00	X
27MW0020Z	27MW0020Z	04/16/1999	IM40MB	THALLIUM	2.70	J	UG/L	98.00	103.00	2.00	X
90MW0038	90MW0038	04/21/1999	IM40MB	THALLIUM	4.40	J	UG/L	29.00	34.00	2.00	X
90WT0010	WF10XA	01/16/1998	IM40MB	THALLIUM	6.50	J	UG/L	2.00	12.00	2.00	X

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1997 THROUGH APRIL 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
LRWS1-4	WL14XA	01/07/1999	IM40MB	THALLIUM	5.20	J	UG/L	107.00	117.00	2.00	X
MW-1	W01SSA	09/07/1999	IM40MB	THALLIUM	2.90	J	UG/L	0.00	10.00	2.00	X
MW-127	W127SSA	11/15/2000	IM40MB	THALLIUM	2.40	J	UG/L	0.00	10.00	2.00	X
MW-132	W132SSA	02/16/2001	IM40MB	THALLIUM	2.10	J	UG/L	0.00	10.00	2.00	X
MW-18	W18SSA	03/12/1999	IM40MB	THALLIUM	2.30	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	09/10/1999	IM40MB	THALLIUM	3.80	J	UG/L	0.00	10.00	2.00	X
MW-19	W19DDL	02/11/1999	IM40MB	THALLIUM	3.10	J	UG/L	251.00	256.00	2.00	X
MW-2	W02DDD	08/02/2000	IM40MB	THALLIUM	4.90	J	UG/L	287.00	295.00	2.00	X
MW-21	W21SSA	10/24/1997	IM40MB	THALLIUM	6.90	J	UG/L	0.00	10.00	2.00	X
MW-21	W21M2A	11/01/1999	IM40MB	THALLIUM	4.00	J	UG/L	58.00	68.00	2.00	X
MW-23	W23SSA	09/14/1999	IM40MB	THALLIUM	4.70	J	UG/L	0.00	10.00	2.00	X
MW-25	W25SSA	09/14/1999	IM40MB	THALLIUM	5.30	J	UG/L	0.00	10.00	2.00	X
MW-37	W37M2A	12/29/1999	IM40MB	THALLIUM	4.90	J	UG/L	28.00	38.00	2.00	X
MW-38	W38M4A	08/18/1999	IM40MB	THALLIUM	2.80	J	UG/L	15.00	25.00	2.00	X
MW-38	W38M2A	05/11/1999	IM40MB	THALLIUM	4.90	J	UG/L	70.00	80.00	2.00	X
MW-41	W41M2A	04/02/1999	IM40MB	THALLIUM	2.50	J	UG/L	69.00	79.00	2.00	X
MW-42	W42M2A	11/19/1999	IM40MB	THALLIUM	4.00	J	UG/L	119.00	129.00	2.00	X
MW-45	W45SSA	05/26/1999	IM40MB	THALLIUM	3.00	J	UG/L	0.00	10.00	2.00	X
MW-45	W45SSA	08/31/2000	IM40MB	THALLIUM	4.40	J	UG/L	0.00	10.00	2.00	X
MW-46	W46M1A	05/16/2000	IM40MB	THALLIUM	5.30	J	UG/L	102.00	112.00	2.00	X
MW-46	W46DDA	11/02/1999	IM40MB	THALLIUM	5.10	J	UG/L	135.00	145.00	2.00	X
MW-47	W47M3A	08/25/1999	IM40MB	THALLIUM	3.20	J	UG/L	21.00	31.00	2.00	X
MW-47	W47M3A	05/31/2000	IM40MB	THALLIUM	5.00	J	UG/L	21.00	31.00	2.00	X
MW-47	W47M2A	03/26/1999	IM40MB	THALLIUM	3.20	J	UG/L	38.00	48.00	2.00	X
MW-47	W47M2A	08/25/1999	IM40MB	THALLIUM	4.00	J	UG/L	38.00	48.00	2.00	X
MW-47	W47M2A	05/30/2000	IM40MB	THALLIUM	4.50	J	UG/L	38.00	48.00	2.00	X
MW-47	W47M1A	08/24/1999	IM40MB	THALLIUM	2.60	J	UG/L	75.00	85.00	2.00	X
MW-48	W48M3A	02/28/2000	IM40MB	THALLIUM	4.20	J	UG/L	29.73	39.73	2.00	X
MW-48	W48DAA	06/26/2000	IM40MB	THALLIUM	4.70	J	UG/L	119.00	129.00	2.00	X
MW-49	W49SSA	11/19/1999	IM40MB	THALLIUM	4.70	J	UG/L	0.00	10.00	2.00	X
MW-49	W49M3D	06/27/2000	IM40MB	THALLIUM	4.30	J	UG/L	29.48	39.48	2.00	X
MW-50	W50M1A	05/15/2000	IM40MB	THALLIUM	6.20	J	UG/L	90.00	100.00	2.00	X
MW-51	W51M3A	08/25/1999	IM40MB	THALLIUM	4.30	J	UG/L	29.00	39.00	2.00	X
MW-52	W52SSA	08/26/1999	IM40MB	THALLIUM	3.60	J	UG/L	0.00	10.00	2.00	X
MW-52	W52SSA	11/18/1999	IM40MB	THALLIUM	4.30	J	UG/L	0.00	10.00	2.00	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH APRIL 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-52	W52SSA	05/23/2000	IM40MB	THALLIUM	4.70	J	UG/L	0.00	10.00	2.00	X
MW-52	W52M3L	04/07/1999	IM40MB	THALLIUM	3.60	J	UG/L	26.00	36.00	2.00	X
MW-52	W52DDA	04/02/1999	IM40MB	THALLIUM	2.80	J	UG/L	219.00	229.00	2.00	X
MW-52	W52DDL	04/02/1999	IM40MB	THALLIUM	2.60	J	UG/L	219.00	229.00	2.00	X
MW-52	W52DDA	08/30/1999	IM40MB	THALLIUM	3.80	J	UG/L	219.00	229.00	2.00	X
MW-53	W53M1A	11/05/1999	IM40MB	THALLIUM	3.40	J	UG/L	100.00	110.00	2.00	X
MW-54	W54SSA	11/08/1999	IM40MB	THALLIUM	7.40	J	UG/L	0.00	10.00	2.00	X
MW-54	W54SSA	06/06/2000	IM40MB	THALLIUM	4.60	J	UG/L	0.00	10.00	2.00	X
MW-54	W54SSA	11/15/2000	IM40MB	THALLIUM	3.10	J	UG/L	0.00	10.00	2.00	X
MW-54	W54M1A	08/30/1999	IM40MB	THALLIUM	2.80	J	UG/L	80.00	90.00	2.00	X
MW-54	W54M1A	11/05/1999	IM40MB	THALLIUM	3.90	J	UG/L	80.00	90.00	2.00	X
MW-55	W55M1A	08/31/1999	IM40MB	THALLIUM	2.50	J	UG/L	90.00	100.00	2.00	X
MW-56	W56SSA	09/05/2000	IM40MB	THALLIUM	4.00	J	UG/L	0.00	10.00	2.00	X
MW-56	W56M3A	09/05/2000	IM40MB	THALLIUM	6.10	J	UG/L	28.00	38.00	2.00	X
MW-56	W56M3D	09/05/2000	IM40MB	THALLIUM	4.40	J	UG/L	28.00	38.00	2.00	X
MW-57	W57M2A	03/22/2000	IM40MB	THALLIUM	4.10	J	UG/L	60.00	70.00	2.00	X
MW-58	W58SSA	05/11/2000	IM40MB	THALLIUM	7.30	J	UG/L	0.00	10.00	2.00	X
MW-64	W64M1A	02/07/2000	IM40MB	THALLIUM	4.10	J	UG/L	37.00	47.00	2.00	X
MW-7	W07MMA	02/23/1999	IM40MB	THALLIUM	4.10	J	UG/L	67.00	72.00	2.00	X
MW-7	W07M1A	09/07/1999	IM40MB	THALLIUM	26.20		UG/L	67.00	72.00	2.00	X
MW-7	W07M1D	09/07/1999	IM40MB	THALLIUM	12.70		UG/L	67.00	72.00	2.00	X
MW-7	W07M2L	02/05/1998	IM40MB	THALLIUM	6.60	J	UG/L	137.00	142.00	2.00	X
MW-7	W07M2A	02/24/1999	IM40MB	THALLIUM	4.40	J	UG/L	137.00	142.00	2.00	X
MW-72	W72SSA	05/27/1999	IM40MB	THALLIUM	4.00		UG/L	0.00	10.00	2.00	X
MW-83	W83SSA	01/13/2000	IM40MB	THALLIUM	3.60	J	UG/L	0.00	10.00	2.00	X
MW-84	W84SSA	10/21/1999	IM40MB	THALLIUM	3.20	J	UG/L	0.00	10.00	2.00	X
MW-94	W94M2A	01/11/2001	IM40MB	THALLIUM	2.00	J	UG/L	14.04	24.04	2.00	X
PPAWSMW-1	PPAWSMW-1	06/22/1999	IM40MB	THALLIUM	3.10	J	UG/L	10.00	20.00	2.00	X
SMR-2	WSMR2A	03/25/1999	IM40MB	THALLIUM	2.00	J	UG/L	0.00	10.00	2.00	X
95-14	W9514A	09/28/1999	IM40MB	ZINC	2,430.00		UG/L	90.00	120.00	2,000.00	X
95-15	W9515A	10/17/1997	IM40MB	ZINC	7,210.00		UG/L	80.00	92.00	2,000.00	X
95-15	W9515L	10/17/1997	IM40MB	ZINC	4,620.00		UG/L	80.00	92.00	2,000.00	X
LRWS3-1	WL31XA	10/21/1997	IM40MB	ZINC	2,480.00		UG/L	102.00	117.00	2,000.00	X
LRWS3-1	WL31XL	10/21/1997	IM40MB	ZINC	2,410.00		UG/L	102.00	117.00	2,000.00	X
LRWS4-1	WL41XA	11/24/1997	IM40MB	ZINC	3,220.00		UG/L	66.00	91.00	2,000.00	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH APRIL 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
LRWS4-1	WL41XL	11/24/1997	IM40MB	ZINC	3,060.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51DL	11/25/1997	IM40MB	ZINC	4,410.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51XA	11/25/1997	IM40MB	ZINC	4,510.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51XD	11/25/1997	IM40MB	ZINC	4,390.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51XL	11/25/1997	IM40MB	ZINC	3,900.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51XA	01/25/1999	IM40MB	ZINC	3,980.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51XL	01/25/1999	IM40MB	ZINC	3,770.00		UG/L	66.00	91.00	2,000.00	X
LRWS6-1	WL61XA	11/17/1997	IM40MB	ZINC	3,480.00		UG/L	184.00	199.00	2,000.00	X
LRWS6-1	WL61XL	11/17/1997	IM40MB	ZINC	2,600.00		UG/L	184.00	199.00	2,000.00	X
LRWS6-1	WL61XA	01/28/1999	IM40MB	ZINC	2,240.00		UG/L	184.00	199.00	2,000.00	X
LRWS6-1	WL61XL	01/28/1999	IM40MB	ZINC	2,200.00		UG/L	184.00	199.00	2,000.00	X
LRWS7-1	WL71XA	11/21/1997	IM40MB	ZINC	4,320.00		UG/L	186.00	201.00	2,000.00	X
LRWS7-1	WL71XL	11/21/1997	IM40MB	ZINC	3,750.00		UG/L	186.00	201.00	2,000.00	X
LRWS7-1	WL71XA	01/22/1999	IM40MB	ZINC	4,160.00		UG/L	186.00	201.00	2,000.00	X
LRWS7-1	WL71XL	01/22/1999	IM40MB	ZINC	4,100.00		UG/L	186.00	201.00	2,000.00	X
MW-41	W41M1A	08/19/1999	OC21B	2,6-DINITROTOLUENE	5.00	J	UG/L	110.00	120.00	5.00	X
03MW0122A	WS122A	09/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	12.00		UG/L	1.00	11.00	6.00	X
11MW0003	WF143A	02/25/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00		UG/L	0.00	0.00	6.00	X
11MW0003	WF143A	09/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	24.00		UG/L	0.00	0.00	6.00	X
15MW0004	15MW0004	04/09/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	6.00		UG/L	0.00	10.00	6.00	X
15MW0008	15MW0008D	04/12/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	25.00	J	UG/L	0.00	0.00	6.00	X
28MW0106	WL28XA	02/19/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	18.00	J	UG/L	0.00	10.00	6.00	X
28MW0106	WL28XA	03/23/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	26.00		UG/L	0.00	10.00	6.00	X
58MW0002	WC2XXA	02/26/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	36.00		UG/L	4.00	9.00	6.00	X
58MW0005E	WC5EXA	09/27/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	0.00	10.00	6.00	X
58MW0006E	WC6EXA	10/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	59.00		UG/L	0.00	10.00	6.00	X
58MW0006E	WC6EXD	10/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	57.00		UG/L	0.00	10.00	6.00	X
58MW0006E	WC6EXA	01/29/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	6.00		UG/L	0.00	10.00	6.00	X
58MW0007C	WC7CXA	09/28/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	13.00		UG/L	24.00	29.00	6.00	X
90MW0054	WF12XA	10/04/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	13.00	J	UG/L	95.00	100.00	6.00	X
90WT0003	WF03XA	09/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	58.00		UG/L	0.00	10.00	6.00	X
90WT0005	WF05XA	01/13/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	47.00		UG/L	0.00	10.00	6.00	X
90WT0013	WF13XA	01/16/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	34.00		UG/L	2.00	12.00	6.00	X
90WT0013	WF13XA	01/14/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	16.00		UG/L	2.00	12.00	6.00	X
95-14	W9514A	09/28/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	22.00		UG/L	90.00	120.00	6.00	X

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VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH APRIL 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
97-1	W9701A	11/19/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	54.00	J	UG/L	62.00	72.00	6.00	X
97-1	W9701D	11/19/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	28.00	J	UG/L	62.00	72.00	6.00	X
97-2	W9702A	11/20/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00		UG/L	53.00	63.00	6.00	X
97-3	W9703A	11/21/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	73.00	J	UG/L	36.00	46.00	6.00	X
97-5	W9705A	11/20/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	15.00		UG/L	76.00	86.00	6.00	X
BHW215083	WG083A	11/26/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	13.00		UG/L	0.00	0.00	6.00	X
LRWS1-4	WL14XA	10/06/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	78.00	J	UG/L	107.00	117.00	6.00	X
LRWS2-3	WL23XA	11/21/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	20.00	J	UG/L	68.00	83.00	6.00	X
LRWS2-6	WL26XA	10/20/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	21.00		UG/L	75.00	90.00	6.00	X
LRWS2-6	WL26XA	10/04/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00	J	UG/L	75.00	90.00	6.00	X
LRWS4-1	WL41XA	11/24/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	100.00		UG/L	66.00	91.00	6.00	X
LRWS5-1	WL51XA	11/25/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00		UG/L	66.00	91.00	6.00	X
MW-10	W10SSA	09/16/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	39.00		UG/L	0.00	10.00	6.00	X
MW-11	W11SSA	11/06/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	33.00	J	UG/L	0.00	10.00	6.00	X
MW-11	W11SSD	11/06/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	23.00	J	UG/L	0.00	10.00	6.00	X
MW-12	W12SSA	11/06/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	28.00		UG/L	0.00	10.00	6.00	X
MW-14	W14SSA	11/04/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	14.00		UG/L	0.00	10.00	6.00	X
MW-16	W16SSA	11/17/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	28.00		UG/L	0.00	10.00	6.00	X
MW-16	W16DDA	11/17/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	43.00		UG/L	108.00	113.00	6.00	X
MW-17	W17SSD	11/10/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	120.00	J	UG/L	0.00	10.00	6.00	X
MW-17	W17DDA	11/11/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	42.00		UG/L	197.00	207.00	6.00	X
MW-18	W18SSA	10/10/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	36.00		UG/L	0.00	10.00	6.00	X
MW-18	W18DDA	09/10/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	11.00		UG/L	223.00	233.00	6.00	X
MW-19	W19DDA	03/04/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00		UG/L	251.00	256.00	6.00	X
MW-2	W02M2A	01/20/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	24.00		UG/L	31.00	36.00	6.00	X
MW-2	W02M1A	01/21/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	10.00	J	UG/L	73.00	78.00	6.00	X
MW-2	W02DDA	02/02/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00		UG/L	287.00	295.00	6.00	X
MW-20	W20SSA	11/07/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	280.00		UG/L	0.00	10.00	6.00	X
MW-21	W21M2A	04/01/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	58.00	68.00	6.00	X
MW-22	W22SSA	11/24/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	96.00		UG/L	0.00	10.00	6.00	X
MW-22	W22SSA	09/20/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	18.00		UG/L	0.00	10.00	6.00	X
MW-23	W23SSA	10/27/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	24.00		UG/L	0.00	10.00	6.00	X
MW-23	W23M3A	11/13/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	10.00		UG/L	153.00	163.00	6.00	X
MW-23	W23M3D	11/13/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	13.00		UG/L	153.00	163.00	6.00	X
MW-24	W24SSA	11/14/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	0.00	10.00	6.00	X

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1997 THROUGH APRIL 2001

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MW-27	W27SSA	09/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00		UG/L	0.00	10.00	6.00	X
MW-28	W28SSA	11/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	11.00		UG/L	0.00	10.00	6.00	X
MW-28	W28SSA	09/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	150.00	J	UG/L	0.00	10.00	6.00	X
MW-28	W28M1A	01/12/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHAL	9.70		UG/L	168.50	178.50	6.00	X
MW-29	W29SSA	11/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	16.00		UG/L	0.00	10.00	6.00	X
MW-29	W29SSA	09/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	20.00		UG/L	0.00	10.00	6.00	X
MW-36	W36M2A	08/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	59.00	69.00	6.00	X
MW-38	W38M3A	05/06/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	15.00		UG/L	53.00	63.00	6.00	X
MW-4	W04SSA	11/04/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	30.00		UG/L	0.00	10.00	6.00	X
MW-41	W41M2A	11/12/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00		UG/L	69.00	79.00	6.00	X
MW-43	W43M1A	05/26/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	6.00		UG/L	93.00	103.00	6.00	X
MW-44	W44M1A	09/20/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	14.00		UG/L	55.00	65.00	6.00	X
MW-45	W45M1A	05/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	37.00		UG/L	98.00	108.00	6.00	X
MW-46	W46M1A	11/01/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	6.00	J	UG/L	102.00	112.00	6.00	X
MW-46	W46DDA	11/02/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	14.00	J	UG/L	135.00	145.00	6.00	X
MW-47	W47M1A	08/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	14.00		UG/L	75.00	85.00	6.00	X
MW-47	W47DDA	08/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	16.00		UG/L	100.00	110.00	6.00	X
MW-49	W49SSA	03/01/2000	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	290.00		UG/L	0.00	10.00	6.00	X
MW-5	W05DDA	02/13/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00	J	UG/L	220.00	225.00	6.00	X
MW-52	W52M3A	08/27/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00	J	UG/L	26.00	36.00	6.00	X
MW-53	W53M1A	08/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	31.00		UG/L	100.00	110.00	6.00	X
MW-53	W53DDA	02/18/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	18.00		UG/L	157.00	167.00	6.00	X
MW-55	W55DDA	05/13/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	120.00	130.00	6.00	X
MW-57	W57SSA	12/21/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	3,300.00	J	UG/L	0.00	10.00	6.00	X
MW-57	W57M2A	06/30/2000	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00		UG/L	60.00	70.00	6.00	X
MW-57	W57DDA	12/13/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	95.00		UG/L	125.00	135.00	6.00	X
MW-7	W07SSA	10/31/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	10.00		UG/L	0.00	10.00	6.00	X
MW-70	W70M1A	10/27/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	10.00		UG/L	130.00	140.00	6.00	X
MW-84	W84DDA	03/03/2000	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	30.00		UG/L	151.00	161.00	6.00	X
RW-1	WRW1XA	02/18/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	59.00		UG/L	0.00	9.00	6.00	X
RW-1	WRW1XD	10/06/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	11.00	J	UG/L	0.00	9.00	6.00	X
MW-142	W142M2A	01/29/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHAL	11.00		UG/L	95.10	105.10	6.00	X
MW-142	W142M1A	01/29/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHAL	20.00		UG/L	180.50	190.50	6.00	X
90MW0003	WF03MA	10/07/1999	OC21B	NAPHTHALENE	33.00		UG/L	60.00	65.00	20.00	X
MW-45	W45SSA	05/26/1999	OC21B	NAPHTHALENE	24.00		UG/L	0.00	10.00	20.00	X

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DW LIMIT = EITHER THE MCL OR LOWEST HEALTH ADVISORY CONCENTRATION (CHILD, ADULT OR LIFETIME)
>DW LIMIT = EQUALS OR EXCEEDS EITHER THE MCL OR LOWEST HEALTH ADVISORY CONCENTRATION (CHILD, ADULT, OR LIFETIME)

TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH APRIL 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-45	W45SSA	11/16/1999	OC21B	NAPHTHALENE	27.00		UG/L	0.00	10.00	20.00	X
90MW0003	WF03MA	10/07/1999	OC21V	1,2-DICHLOROETHANE	5.00		UG/L	60.00	65.00	5.00	X
03MW0007A	03MW0007A	04/13/1999	OC21V	TETRACHLOROETHYLENE(P	6.00		UG/L	21.00	26.00	5.00	X
03MW0014A	03MW0014A	04/13/1999	OC21V	TETRACHLOROETHYLENE(P	8.00		UG/L	38.00	43.00	5.00	X
03MW0020	03MW0020	04/14/1999	OC21V	TETRACHLOROETHYLENE(P	12.00		UG/L	36.00	41.00	5.00	X
MW-45	W45SSA	11/16/1999	OC21V	TOLUENE	1,000.00		UG/L	0.00	10.00	1,000.00	X
MW-45	W45SSA	05/29/2000	OC21V	TOLUENE	1,100.00		UG/L	0.00	10.00	1,000.00	X
MW-45	W45SSA	12/27/2000	OC21V	TOLUENE	1,300.00		UG/L	0.00	10.00	1,000.00	X
27MW0017B	27MW0017B	04/30/1999	OC21V	VINYL CHLORIDE	2.00		UG/L	21.00	26.00	2.00	X
PPAWSMW-1	PPAWSMW-1	06/22/1999	OL21P	DIELDRIN	3.00		UG/L	10.00	20.00	0.50	X

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>DW LIMIT = EQUALS OR EXCEEDS EITHER THE MCL OR LOWEST HEALTH ADVISORY CONCENTRATION (CHILD, ADULT, OR LIFETIME)

TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 3/15/01-4/30/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
HC130AH1CAA	130AH	04/04/2001	SOIL GRID	0.50	1.00			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
HC130AH1CAA	130AH	04/04/2001	SOIL GRID	0.50	1.00			8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
HD130M1BAD	130M	03/20/2001	SOIL GRID	0.25	0.50			8330N	PICRIC ACID	NO
HD130Q1AAA	130Q	03/21/2001	SOIL GRID	0.00	0.25			8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
HC79HA1AAA	79HA	03/21/2001	SOIL GRID	0.00	0.50			IM40PB	LEAD	
HC79HA1AAA	79HA	03/21/2001	SOIL GRID	0.00	0.50			OM31P	DDE (1,1-BIS(CHLOROPHENYL)-2	
HC79HA1AAA	79HA	03/21/2001	SOIL GRID	0.00	0.50			OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2	
HC79HA1AAA	79HA	03/21/2001	SOIL GRID	0.00	0.50			OM31P	DIELDRIN	
HC79HA1BAA	79HA	03/21/2001	SOIL GRID	0.50	1.00			IM40PB	LEAD	
HC79HA1BAD	79HA	03/21/2001	SOIL GRID	0.50	1.00			IM40PB	LEAD	
HC79HA1CAA	79HA	03/21/2001	SOIL GRID	1.00	1.50			IM40PB	LEAD	
HC79HA1DAA	79HA	03/21/2001	SOIL GRID	1.50	2.00			IM40PB	LEAD	
HC79HB1AAA	79HB	03/22/2001	SOIL GRID	0.00	0.50			IM40PB	LEAD	
HC79HB1AAA	79HB	03/22/2001	SOIL GRID	0.00	0.50			OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2	
HC79HB1AAA	79HB	03/22/2001	SOIL GRID	0.00	0.50			OM31P	DIELDRIN	
HC79HB1BAA	79HB	03/22/2001	SOIL GRID	0.50	1.00			IM40PB	LEAD	
HC79HB1CAA	79HB	03/22/2001	SOIL GRID	1.00	1.50			IM40PB	LEAD	
HC79HB1DAA	79HB	03/22/2001	SOIL GRID	1.50	2.00			IM40PB	LEAD	
HC79HC1DAD	79HC	03/20/2001	SOIL GRID	1.50	2.00			IM40PB	LEAD	
HC79HC1AAA	79HC	03/21/2001	SOIL GRID	0.00	0.50			IM40PB	LEAD	
HC79HC1AAA	79HC	03/21/2001	SOIL GRID	0.00	0.50			OM31P	DDD (1,1-BIS(CHLOROPHENYL)-2	
HC79HC1AAA	79HC	03/21/2001	SOIL GRID	0.00	0.50			OM31P	DDE (1,1-BIS(CHLOROPHENYL)-2	
HC79HC1BAA	79HC	03/21/2001	SOIL GRID	0.50	1.00			IM40PB	LEAD	
HC79HC1CAA	79HC	03/21/2001	SOIL GRID	1.00	1.50			IM40PB	LEAD	
HC79HC1DAA	79HC	03/21/2001	SOIL GRID	1.50	2.00			IM40PB	LEAD	
HC79HD1AAA	79HD	03/20/2001	SOIL GRID	0.00	0.50			IM40PB	LEAD	
HC79HD1BAA	79HD	03/20/2001	SOIL GRID	0.50	1.00			IM40PB	LEAD	
HC79HD1CAA	79HD	03/20/2001	SOIL GRID	1.00	1.50			IM40PB	LEAD	
HC79HD1DAA	79HD	03/20/2001	SOIL GRID	1.50	2.00			IM40PB	LEAD	
HC79HE1AAA	79HE	03/20/2001	SOIL GRID	0.00	0.50			IM40PB	LEAD	
HC79HE1BAA	79HE	03/20/2001	SOIL GRID	0.50	1.00			IM40PB	LEAD	
HC79HE1CAA	79HE	03/20/2001	SOIL GRID	1.00	1.50			IM40PB	LEAD	

DATA REPORTED REFLECT CURRENT DATABASE FOR SAMPLES COLLECTED IN SPECIFIED TIMEFRAME. NOT ALL RESULTS ARE COMPLETE.
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TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 3/15/01-4/30/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
HC79HE1DAA	79HE	03/20/2001	SOIL GRID	1.50	2.00			IM40PB	LEAD	
HC79HF1AAA	79HF	03/20/2001	SOIL GRID	0.00	0.50			IM40PB	LEAD	
HC79HF1AAA	79HF	03/20/2001	SOIL GRID	0.00	0.50			OM31P	DDE (1,1-BIS(CHLOROPHENYL)-2	
HC79HF1AAA	79HF	03/20/2001	SOIL GRID	0.00	0.50			OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2	
HC79HF1BAA	79HF	03/20/2001	SOIL GRID	0.50	1.00			IM40PB	LEAD	
HC79HF1CAA	79HF	03/20/2001	SOIL GRID	1.00	1.50			IM40PB	LEAD	
HC79HF1DAA	79HF	03/20/2001	SOIL GRID	1.50	2.00			IM40PB	LEAD	
HC79HF1DAA	79HF	03/20/2001	SOIL GRID	1.50	2.00			OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2	
HC79HF1DAA	79HF	03/20/2001	SOIL GRID	1.50	2.00			OM31P	DIELDRIN	
HC79HG1AAA	79HG	03/20/2001	SOIL GRID	0.00	0.50			IM40PB	LEAD	
HC79HG1AAA	79HG	03/20/2001	SOIL GRID	0.00	0.50			OM31P	DDE (1,1-BIS(CHLOROPHENYL)-2	
HC79HG1AAA	79HG	03/20/2001	SOIL GRID	0.00	0.50			OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2	
HC79HG1AAA	79HG	03/20/2001	SOIL GRID	0.00	0.50			OM31P	DIELDRIN	
HC79HG1BAA	79HG	03/20/2001	SOIL GRID	0.50	1.00			IM40PB	LEAD	
HC79HG1BAA	79HG	03/20/2001	SOIL GRID	0.50	1.00			OM31P	DIELDRIN	
HC79HG1CAA	79HG	03/20/2001	SOIL GRID	1.00	1.50			IM40PB	LEAD	
HC79HG1CAA	79HG	03/20/2001	SOIL GRID	1.00	1.50			OM31P	DIELDRIN	
HC79HG1DAA	79HG	03/20/2001	SOIL GRID	1.50	2.00			IM40PB	LEAD	
HC79HG1DAA	79HG	03/20/2001	SOIL GRID	1.50	2.00			OM31P	DIELDRIN	
HC79HH1AAA	79HH	03/21/2001	SOIL GRID	0.00	0.50			IM40PB	LEAD	
HC79HH1AAA	79HH	03/21/2001	SOIL GRID	0.00	0.50			OM31P	DDE (1,1-BIS(CHLOROPHENYL)-2	
HC79HH1AAA	79HH	03/21/2001	SOIL GRID	0.00	0.50			OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2	
HC79HH1AAA	79HH	03/21/2001	SOIL GRID	0.00	0.50			OM31P	DIELDRIN	
HC79HH1BAA	79HH	03/21/2001	SOIL GRID	0.50	1.00			IM40PB	LEAD	
HC79HH1BAA	79HH	03/21/2001	SOIL GRID	0.50	1.00			OM31P	DDE (1,1-BIS(CHLOROPHENYL)-2	
HC79HH1BAA	79HH	03/21/2001	SOIL GRID	0.50	1.00			OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2	
HC79HH1BAA	79HH	03/21/2001	SOIL GRID	0.50	1.00			OM31P	DIELDRIN	
HC79HH1CAA	79HH	03/21/2001	SOIL GRID	1.00	1.50			IM40PB	LEAD	
HC79HH1CAA	79HH	03/21/2001	SOIL GRID	1.00	1.50			OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2	
HC79HH1CAA	79HH	03/21/2001	SOIL GRID	1.00	1.50			OM31P	DIELDRIN	
HC79HH1CAD	79HH	03/21/2001	SOIL GRID	1.00	1.50			IM40PB	LEAD	
HC79HH1CAD	79HH	03/21/2001	SOIL GRID	1.00	1.50			OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2	

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TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 3/15/01-4/30/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
HC79HH1CAD	79HH	03/21/2001	SOIL GRID	1.00	1.50			OM31P	DIELDRIN	
HC79HH1DAA	79HH	03/21/2001	SOIL GRID	1.50	2.00			IM40PB	LEAD	
HC79IA1AAA	79IA	03/23/2001	SOIL GRID	0.00	0.50			IM40PB	LEAD	
HC79IA1AAA	79IA	03/23/2001	SOIL GRID	0.00	0.50			OM31P	DDE (1,1-BIS(CHLOROPHENYL)-2	
HC79IA1AAA	79IA	03/23/2001	SOIL GRID	0.00	0.50			OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2	
HC79IA1AAA	79IA	03/23/2001	SOIL GRID	0.00	0.50			OM31P	DIELDRIN	
HC79IA1BAA	79IA	03/23/2001	SOIL GRID	0.50	1.00			IM40PB	LEAD	
HC79IA1BAD	79IA	03/23/2001	SOIL GRID	0.50	1.00			IM40PB	LEAD	
HC79IA1CAA	79IA	03/23/2001	SOIL GRID	1.00	1.50			IM40PB	LEAD	
HC79IA1DAA	79IA	03/23/2001	SOIL GRID	1.50	2.00			IM40PB	LEAD	
HC79IB1AAA	79IB	03/26/2001	SOIL GRID	0.00	0.50			IM40PB	LEAD	
HC79IB1AAA	79IB	03/26/2001	SOIL GRID	0.00	0.50			OM31P	DDE (1,1-BIS(CHLOROPHENYL)-2	
HC79IB1AAA	79IB	03/26/2001	SOIL GRID	0.00	0.50			OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2	
HC79IB1AAA	79IB	03/26/2001	SOIL GRID	0.00	0.50			OM31P	DIELDRIN	
HC79IB1BAA	79IB	03/26/2001	SOIL GRID	0.50	1.00			IM40PB	LEAD	
HC79IB1CAA	79IB	03/26/2001	SOIL GRID	1.00	1.50			IM40PB	LEAD	
HC79IB1CAA	79IB	03/26/2001	SOIL GRID	1.00	1.50			OM31P	DIELDRIN	
HC79IB1DAA	79IB	03/26/2001	SOIL GRID	1.50	2.00			IM40PB	LEAD	
HC79IB1DAA	79IB	03/26/2001	SOIL GRID	1.50	2.00			OM31P	DIELDRIN	
HC79IC1AAA	79IC	03/26/2001	SOIL GRID	0.00	0.50			IM40PB	LEAD	
HC79IC1AAA	79IC	03/26/2001	SOIL GRID	0.00	0.50			OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2	
HC79IC1AAA	79IC	03/26/2001	SOIL GRID	0.00	0.50			OM31P	DIELDRIN	
HC79IC1BAA	79IC	03/26/2001	SOIL GRID	0.50	1.00			IM40PB	LEAD	
HC79IC1BAD	79IC	03/26/2001	SOIL GRID	0.50	1.00			IM40PB	LEAD	
HC79IC1CAA	79IC	03/26/2001	SOIL GRID	1.00	1.50			IM40PB	LEAD	
HC79IC1DAA	79IC	03/26/2001	SOIL GRID	1.50	2.00			IM40PB	LEAD	
HC79IC1DAD	79IC	03/26/2001	SOIL GRID	1.50	2.00			IM40PB	LEAD	
HC79IC1DAD	79IC	03/26/2001	SOIL GRID	1.50	2.00			OM31P	DIELDRIN	
HC79ID1AAA	79ID	03/22/2001	SOIL GRID	0.00	0.50			IM40PB	LEAD	
HC79ID1AAA	79ID	03/22/2001	SOIL GRID	0.00	0.50			OM31P	DDE (1,1-BIS(CHLOROPHENYL)-2	
HC79ID1AAA	79ID	03/22/2001	SOIL GRID	0.00	0.50			OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2	
HC79ID1AAA	79ID	03/22/2001	SOIL GRID	0.00	0.50			OM31P	DIELDRIN	

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(UNVALIDATED)
SAMPLES COLLECTED 3/15/01-4/30/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
HC79ID1BAA	79ID	03/22/2001	SOIL GRID	0.50	1.00			IM40PB	LEAD	
HC79ID1BAA	79ID	03/22/2001	SOIL GRID	0.50	1.00			OM31P	DIELDRIN	
HC79ID1BAD	79ID	03/22/2001	SOIL GRID	0.50	1.00			IM40PB	LEAD	
HC79ID1BAD	79ID	03/22/2001	SOIL GRID	0.50	1.00			OM31P	DIELDRIN	
HC79ID1CAA	79ID	03/22/2001	SOIL GRID	1.00	1.50			IM40PB	LEAD	
HC79ID1DAA	79ID	03/22/2001	SOIL GRID	1.50	2.00			IM40PB	LEAD	
HC79IE1AAA	79IE	03/22/2001	SOIL GRID	0.00	0.50			IM40PB	LEAD	
HC79IE1AAA	79IE	03/22/2001	SOIL GRID	0.00	0.50			OM31P	DDE (1,1-BIS(CHLOROPHENYL)-2	
HC79IE1AAA	79IE	03/22/2001	SOIL GRID	0.00	0.50			OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2	
HC79IE1AAA	79IE	03/22/2001	SOIL GRID	0.00	0.50			OM31P	DIELDRIN	
HC79IE1BAA	79IE	03/22/2001	SOIL GRID	0.50	1.00			IM40PB	LEAD	
HC79IE1BAA	79IE	03/22/2001	SOIL GRID	0.50	1.00			OM31P	DIELDRIN	
HC79IE1CAA	79IE	03/22/2001	SOIL GRID	1.00	1.50			IM40PB	LEAD	
HC79IE1DAA	79IE	03/22/2001	SOIL GRID	1.50	2.00			IM40PB	LEAD	
HC79IF1AAA	79IF	03/22/2001	SOIL GRID	0.00	0.50			IM40PB	LEAD	
HC79IF1AAA	79IF	03/22/2001	SOIL GRID	0.00	0.50			OM31P	DIELDRIN	
HC79IF1BAA	79IF	03/22/2001	SOIL GRID	0.50	1.00			IM40PB	LEAD	
HC79IF1CAA	79IF	03/22/2001	SOIL GRID	1.00	1.50			IM40PB	LEAD	
HC79IF1CAA	79IF	03/22/2001	SOIL GRID	1.00	1.50			OM31P	DIELDRIN	
HC79IF1DAA	79IF	03/22/2001	SOIL GRID	1.50	2.00			IM40PB	LEAD	
HC79IG1AAA	79IG	03/23/2001	SOIL GRID	0.00	0.50			IM40PB	LEAD	
HC79IG1AAA	79IG	03/23/2001	SOIL GRID	0.00	0.50			OM31P	DIELDRIN	
HC79IG1BAA	79IG	03/23/2001	SOIL GRID	0.50	1.00			IM40PB	LEAD	
HC79IG1BAA	79IG	03/23/2001	SOIL GRID	0.50	1.00			OM31P	DDE (1,1-BIS(CHLOROPHENYL)-2	
HC79IG1BAA	79IG	03/23/2001	SOIL GRID	0.50	1.00			OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2	
HC79IG1BAA	79IG	03/23/2001	SOIL GRID	0.50	1.00			OM31P	DIELDRIN	
HC79IG1CAA	79IG	03/23/2001	SOIL GRID	1.00	1.50			IM40PB	LEAD	
HC79IG1CAA	79IG	03/23/2001	SOIL GRID	1.00	1.50			OM31P	DIELDRIN	
HC79IG1DAA	79IG	03/23/2001	SOIL GRID	1.50	2.00			IM40PB	LEAD	
HC79IH1AAA	79IH	03/26/2001	SOIL GRID	0.00	0.50			IM40PB	LEAD	
HC79IH1AAA	79IH	03/26/2001	SOIL GRID	0.00	0.50			OM31P	DDE (1,1-BIS(CHLOROPHENYL)-2	
HC79IH1AAA	79IH	03/26/2001	SOIL GRID	0.00	0.50			OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2	

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TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 3/15/01-4/30/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
HC79IH1AAA	79IH	03/26/2001	SOIL GRID	0.00	0.50			OM31P	DIELDRIN	
HC79IH1BAA	79IH	03/26/2001	SOIL GRID	0.50	1.00			IM40PB	LEAD	
HC79IH1BAA	79IH	03/26/2001	SOIL GRID	0.50	1.00			OM31P	DIELDRIN	
HC79IH1CAA	79IH	03/26/2001	SOIL GRID	1.00	1.50			IM40PB	LEAD	
HC79IH1CAA	79IH	03/26/2001	SOIL GRID	1.00	1.50			OM31P	DIELDRIN	
HC79IH1DAA	79IH	03/26/2001	SOIL GRID	1.50	2.00			IM40PB	LEAD	
HC87E1AAA	87E	03/21/2001	SOIL GRID	0.00	0.50			8330N	2,4,6-TRINITROTOLUENE	
HC87E1BAA	87E	03/21/2001	SOIL GRID	0.50	1.00			8330N	2,4,6-TRINITROTOLUENE	
HC87E1CAA	87E	03/21/2001	SOIL GRID	1.00	1.50			8330N	2,4,6-TRINITROTOLUENE	
HD87E1BAA	87E	03/21/2001	SOIL GRID	0.50	1.00			8330N	2,4,6-TRINITROTOLUENE	
HD87E1DAA	87E	03/21/2001	SOIL GRID	1.50	2.00			8330N	2,4,6-TRINITROTOLUENE	
HD87E3AAA	87E	03/21/2001	SOIL GRID	0.00	0.50			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	
HD87E5AAA	87E	03/21/2001	SOIL GRID	0.00	0.50			8330N	2,4,6-TRINITROTOLUENE	
HD87E5AAA	87E	03/21/2001	SOIL GRID	0.00	0.50			8330N	PICRIC ACID	
HD87E5CAA	87E	03/21/2001	SOIL GRID	1.00	1.50			8330N	2,4,6-TRINITROTOLUENE	
HD87E7CAA	87E	03/21/2001	SOIL GRID	1.00	1.50			8330N	2,4,6-TRINITROTOLUENE	
HD87E7CAD	87E	03/21/2001	SOIL GRID	1.00	1.50			8330N	2,4,6-TRINITROTOLUENE	
HD87E7DAA	87E	03/21/2001	SOIL GRID	1.50	2.00			8330N	2,4,6-TRINITROTOLUENE	
HC79IB1AAE	FIELDQC	03/26/2001	FIELDQC	0.00	0.00			IM40PB	LEAD	
W153M1A	MW-153	03/23/2001	GROUNDWATER	200.00	210.00	105.53	115.53	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G162DAA	MW-162	04/02/2001	PROFILE	90.00	90.00	14.50	14.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G162DAA	MW-162	04/02/2001	PROFILE	90.00	90.00	14.50	14.50	8330N	NITROGLYCERIN	NO
G162DAA	MW-162	04/02/2001	PROFILE	90.00	90.00	14.50	14.50	8330N	PICRIC ACID	NO
G162DBA	MW-162	04/02/2001	PROFILE	100.00	100.00	24.50	24.50	8330N	PICRIC ACID	NO
G162DCA	MW-162	04/03/2001	PROFILE	110.00	110.00	34.50	34.50	8330N	NITROGLYCERIN	NO
G162DCA	MW-162	04/03/2001	PROFILE	110.00	110.00	34.50	34.50	8330N	PICRIC ACID	NO
G162DEA	MW-162	04/03/2001	PROFILE	130.00	130.00	54.50	54.50	8330N	PICRIC ACID	NO
G164DAA	MW-164	04/04/2001	PROFILE	120.00	120.00	4.00	4.00	8330N	2,6-DIAMINO-4-NITROTOLUENE	NO
G164DAA	MW-164	04/04/2001	PROFILE	120.00	120.00	4.00	4.00	8330N	3-NITROTOLUENE	YES
G164DAA	MW-164	04/04/2001	PROFILE	120.00	120.00	4.00	4.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G164DAA	MW-164	04/04/2001	PROFILE	120.00	120.00	4.00	4.00	OC21V	1,1-DICHLOROETHENE	
G164DAA	MW-164	04/04/2001	PROFILE	120.00	120.00	4.00	4.00	OC21V	2-HEXANONE	

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DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 3/15/01-4/30/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G164DAA	MW-164	04/04/2001	PROFILE	120.00	120.00	4.00	4.00	OC21V	CHLOROFORM	
G164DAA	MW-164	04/04/2001	PROFILE	120.00	120.00	4.00	4.00	OC21V	CHLOROMETHANE	
G164DAA	MW-164	04/04/2001	PROFILE	120.00	120.00	4.00	4.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G164DBA	MW-164	04/04/2001	PROFILE	130.00	130.00	14.00	24.00	8330N	2,6-DINITROTOLUENE	NO
G164DBA	MW-164	04/04/2001	PROFILE	130.00	130.00	14.00	24.00	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G164DBA	MW-164	04/04/2001	PROFILE	130.00	130.00	14.00	24.00	8330N	3-NITROTOLUENE	YES
G164DBA	MW-164	04/04/2001	PROFILE	130.00	130.00	14.00	24.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G164DBA	MW-164	04/04/2001	PROFILE	130.00	130.00	14.00	24.00	8330N	NITROBENZENE	NO
G164DBA	MW-164	04/04/2001	PROFILE	130.00	130.00	14.00	24.00	8330N	NITROGLYCERIN	NO
G164DBA	MW-164	04/04/2001	PROFILE	130.00	130.00	14.00	24.00	8330N	PICRIC ACID	NO
G164DBA	MW-164	04/04/2001	PROFILE	130.00	130.00	14.00	24.00	OC21V	ACETONE	
G164DBA	MW-164	04/04/2001	PROFILE	130.00	130.00	14.00	24.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G164DCA	MW-164	04/05/2001	PROFILE	140.00	140.00	24.00	24.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G164DCA	MW-164	04/05/2001	PROFILE	140.00	140.00	24.00	24.00	OC21V	ACETONE	
G164DCA	MW-164	04/05/2001	PROFILE	140.00	140.00	24.00	24.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G164DCD	MW-164	04/05/2001	PROFILE	140.00	140.00	24.00	24.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G164DCD	MW-164	04/05/2001	PROFILE	140.00	140.00	24.00	24.00	OC21V	ACETONE	
G164DCD	MW-164	04/05/2001	PROFILE	140.00	140.00	24.00	24.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G164DDA	MW-164	04/05/2001	PROFILE	150.00	150.00	34.00	34.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G164DDA	MW-164	04/05/2001	PROFILE	150.00	150.00	34.00	34.00	OC21V	ACETONE	
G164DEA	MW-164	04/05/2001	PROFILE	160.00	160.00	44.00	44.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G164DEA	MW-164	04/05/2001	PROFILE	160.00	160.00	44.00	44.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G164DEA	MW-164	04/05/2001	PROFILE	160.00	160.00	44.00	44.00	OC21V	ACETONE	
G164DEA	MW-164	04/05/2001	PROFILE	160.00	160.00	44.00	44.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G164DFA	MW-164	04/05/2001	PROFILE	170.00	170.00	54.00	54.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G164DFA	MW-164	04/05/2001	PROFILE	170.00	170.00	54.00	54.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G164DFA	MW-164	04/05/2001	PROFILE	170.00	170.00	54.00	54.00	OC21V	ACETONE	
G164DFA	MW-164	04/05/2001	PROFILE	170.00	170.00	54.00	54.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G164DFD	MW-164	04/05/2001	PROFILE	170.00	170.00	54.00	54.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G164DFD	MW-164	04/05/2001	PROFILE	170.00	170.00	54.00	54.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G164DFD	MW-164	04/05/2001	PROFILE	170.00	170.00	54.00	54.00	OC21V	ACETONE	
G164DFD	MW-164	04/05/2001	PROFILE	170.00	170.00	54.00	54.00	OC21V	METHYL ETHYL KETONE (2-BUTA	

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(UNVALIDATED)
SAMPLES COLLECTED 3/15/01-4/30/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G164DGA	MW-164	04/05/2001	PROFILE	180.00	180.00	64.00	64.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G164DGA	MW-164	04/05/2001	PROFILE	180.00	180.00	64.00	64.00	OC21V	ACETONE	
G164DHA	MW-164	04/05/2001	PROFILE	190.00	190.00	74.00	74.00	OC21V	ACETONE	
G164DIA	MW-164	04/05/2001	PROFILE	200.00	200.00	84.00	84.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G164DIA	MW-164	04/05/2001	PROFILE	200.00	200.00	84.00	84.00	8330N	NITROGLYCERIN	NO
G164DIA	MW-164	04/05/2001	PROFILE	200.00	200.00	84.00	84.00	OC21V	ACETONE	
G164DIA	MW-164	04/05/2001	PROFILE	200.00	200.00	84.00	84.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G164DJA	MW-164	04/05/2001	PROFILE	210.00	210.00	94.00	94.00	OC21V	ACETONE	
G164DJA	MW-164	04/05/2001	PROFILE	210.00	210.00	94.00	94.00	OC21V	CHLOROFORM	
G164DJA	MW-164	04/05/2001	PROFILE	210.00	210.00	94.00	94.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G164DKA	MW-164	04/05/2001	PROFILE	220.00	220.00	104.00	104.00	OC21V	ACETONE	
G164DKA	MW-164	04/05/2001	PROFILE	220.00	220.00	104.00	104.00	OC21V	CHLOROFORM	
G164DKA	MW-164	04/05/2001	PROFILE	220.00	220.00	104.00	104.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G164DLA	MW-164	04/05/2001	PROFILE	230.00	230.00	114.00	114.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G164DLA	MW-164	04/05/2001	PROFILE	230.00	230.00	114.00	114.00	OC21V	ACETONE	
G164DLA	MW-164	04/05/2001	PROFILE	230.00	230.00	114.00	114.00	OC21V	CHLOROFORM	
G164DMA	MW-164	04/09/2001	PROFILE	240.00	240.00	127.10	127.10	OC21V	ACETONE	
G164DMA	MW-164	04/09/2001	PROFILE	240.00	240.00	127.10	127.10	OC21V	METHYL ETHYL KETONE (2-BUTA	
G164DNA	MW-164	04/09/2001	PROFILE	250.00	250.00	137.10	137.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G164DNA	MW-164	04/09/2001	PROFILE	250.00	250.00	137.10	137.10	OC21V	ACETONE	
G164DNA	MW-164	04/09/2001	PROFILE	250.00	250.00	137.10	137.10	OC21V	METHYL ETHYL KETONE (2-BUTA	
G164DNA	MW-164	04/09/2001	PROFILE	250.00	250.00	137.10	137.10	OC21V	TOLUENE	
G164DOA	MW-164	04/09/2001	PROFILE	260.00	260.00	147.10	147.10	8330N	NITROGLYCERIN	NO
G164DOA	MW-164	04/09/2001	PROFILE	260.00	260.00	147.10	147.10	OC21V	ACETONE	
G164DPA	MW-164	04/09/2001	PROFILE	270.00	270.00	157.10	157.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G164DPA	MW-164	04/09/2001	PROFILE	270.00	270.00	157.10	157.10	8330N	NITROGLYCERIN	NO
G164DPA	MW-164	04/09/2001	PROFILE	270.00	270.00	157.10	157.10	OC21V	ACETONE	
G164DQA	MW-164	04/09/2001	PROFILE	280.00	280.00	167.10	167.10	8330N	NITROGLYCERIN	NO
G164DQA	MW-164	04/09/2001	PROFILE	280.00	280.00	167.10	167.10	OC21V	ACETONE	
G164DRA	MW-164	04/09/2001	PROFILE	290.00	290.00	177.10	177.10	OC21V	ACETONE	
G164DRA	MW-164	04/09/2001	PROFILE	290.00	290.00	177.10	177.10	OC21V	METHYL ETHYL KETONE (2-BUTA	
G164DSA	MW-164	04/09/2001	PROFILE	300.00	300.00	187.10	187.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES

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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G164DSA	MW-164	04/09/2001	PROFILE	300.00	300.00	187.10	187.10	8330N	NITROGLYCERIN	NO
G164DSA	MW-164	04/09/2001	PROFILE	300.00	300.00	187.10	187.10	OC21V	ACETONE	
G164DSA	MW-164	04/09/2001	PROFILE	300.00	300.00	187.10	187.10	OC21V	CHLOROFORM	
G164DTA	MW-164	04/10/2001	PROFILE	310.00	310.00	197.10	197.10	8330N	NITROGLYCERIN	NO
G164DTA	MW-164	04/10/2001	PROFILE	310.00	310.00	197.10	197.10	OC21V	ACETONE	
G164DTA	MW-164	04/10/2001	PROFILE	310.00	310.00	197.10	197.10	OC21V	CHLOROFORM	
G164DUA	MW-164	04/10/2001	PROFILE	320.00	320.00	207.10	207.10	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G164DUA	MW-164	04/10/2001	PROFILE	320.00	320.00	207.10	207.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G164DUA	MW-164	04/10/2001	PROFILE	320.00	320.00	207.10	207.10	8330N	NITROBENZENE	NO
G164DUA	MW-164	04/10/2001	PROFILE	320.00	320.00	207.10	207.10	8330N	NITROGLYCERIN	NO
G164DUA	MW-164	04/10/2001	PROFILE	320.00	320.00	207.10	207.10	8330N	PENTAERYTHRITOL TETRANITR/	NO
G164DUA	MW-164	04/10/2001	PROFILE	320.00	320.00	207.10	207.10	8330N	PICRIC ACID	NO
G164DUA	MW-164	04/10/2001	PROFILE	320.00	320.00	207.10	207.10	OC21V	ACETONE	
G164DUA	MW-164	04/10/2001	PROFILE	320.00	320.00	207.10	207.10	OC21V	CHLOROETHANE	
G164DUA	MW-164	04/10/2001	PROFILE	320.00	320.00	207.10	207.10	OC21V	CHLOROMETHANE	
G164DUA	MW-164	04/10/2001	PROFILE	320.00	320.00	207.10	207.10	OC21V	METHYL ETHYL KETONE (2-BUTA	
G165DAA	MW-165	04/12/2001	PROFILE	90.00	90.00	10.50	10.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G165DAA	MW-165	04/12/2001	PROFILE	90.00	90.00	10.50	10.50	8330N	NITROGLYCERIN	NO
G165DBA	MW-165	04/12/2001	PROFILE	100.00	100.00	20.50	20.50	8330N	3-NITROTOLUENE	NO
G165DBA	MW-165	04/12/2001	PROFILE	100.00	100.00	20.50	20.50	8330N	4-NITROTOLUENE	NO
G165DBA	MW-165	04/12/2001	PROFILE	100.00	100.00	20.50	20.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G165DBA	MW-165	04/12/2001	PROFILE	100.00	100.00	20.50	20.50	8330N	NITROGLYCERIN	NO
G165DCA	MW-165	04/12/2001	PROFILE	110.00	110.00	30.50	30.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G165DCA	MW-165	04/12/2001	PROFILE	110.00	110.00	30.50	30.50	8330N	NITROGLYCERIN	NO
G165DCD	MW-165	04/12/2001	PROFILE	110.00	110.00	30.50	30.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G165DCD	MW-165	04/12/2001	PROFILE	110.00	110.00	30.50	30.50	8330N	NITROGLYCERIN	NO
G165DDA	MW-165	04/12/2001	PROFILE	120.00	120.00	40.50	40.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G165DEA	MW-165	04/12/2001	PROFILE	130.00	130.00	50.50	50.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G165DEA	MW-165	04/12/2001	PROFILE	130.00	130.00	50.50	50.50	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G165DFA	MW-165	04/12/2001	PROFILE	140.00	140.00	60.50	60.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G165DFA	MW-165	04/12/2001	PROFILE	140.00	140.00	60.50	60.50	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G165DFD	MW-165	04/12/2001	PROFILE	140.00	140.00	60.50	60.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES

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PDA/NO = Photo Diode Array, Detect Not Confirmed

TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 3/15/01-4/30/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G165DFD	MW-165	04/12/2001	PROFILE	140.00	140.00	60.50	60.50	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G165DGA	MW-165	04/12/2001	PROFILE	150.00	150.00	70.50	70.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G165DGA	MW-165	04/12/2001	PROFILE	150.00	150.00	70.50	70.50	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G165DHA	MW-165	04/13/2001	PROFILE	160.00	160.00	80.50	80.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G165DIA	MW-165	04/13/2001	PROFILE	170.00	170.00	90.50	90.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G165DKA	MW-165	04/13/2001	PROFILE	190.00	190.00	110.50	110.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G165DLA	MW-165	04/13/2001	PROFILE	200.00	200.00	120.50	120.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G165DOA	MW-165	04/13/2001	PROFILE	230.00	230.00	150.50	150.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G165DQA	MW-165	04/13/2001	PROFILE	250.00	250.00	170.50	170.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G166DAA	MW-166	04/19/2001	PROFILE	120.00	120.00	10.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G166DAA	MW-166	04/19/2001	PROFILE	120.00	120.00	10.00	10.00	8330N	NITROGLYCERIN	NO
G166DAA	MW-166	04/19/2001	PROFILE	120.00	120.00	10.00	10.00	OC21V	ACETONE	
G166DAA	MW-166	04/19/2001	PROFILE	120.00	120.00	10.00	10.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G166DBA	MW-166	04/19/2001	PROFILE	130.00	130.00	20.00	20.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G166DBA	MW-166	04/19/2001	PROFILE	130.00	130.00	20.00	20.00	8330N	NITROGLYCERIN	NO
G166DBA	MW-166	04/19/2001	PROFILE	130.00	130.00	20.00	20.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G166DBA	MW-166	04/19/2001	PROFILE	130.00	130.00	20.00	20.00	OC21V	ACETONE	
G166DCA	MW-166	04/20/2001	PROFILE	140.00	140.00	30.00	30.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G166DCA	MW-166	04/20/2001	PROFILE	140.00	140.00	30.00	30.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G166DCA	MW-166	04/20/2001	PROFILE	140.00	140.00	30.00	30.00	OC21V	ACETONE	
G166DCD	MW-166	04/20/2001	PROFILE	140.00	140.00	30.00	30.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G166DCD	MW-166	04/20/2001	PROFILE	140.00	140.00	30.00	30.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G166DCD	MW-166	04/20/2001	PROFILE	140.00	140.00	30.00	30.00	OC21V	ACETONE	
G166DDA	MW-166	04/20/2001	PROFILE	150.00	150.00	40.00	40.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G166DDA	MW-166	04/20/2001	PROFILE	150.00	150.00	40.00	40.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G166DDA	MW-166	04/20/2001	PROFILE	150.00	150.00	40.00	40.00	OC21V	ACETONE	
G166DEA	MW-166	04/20/2001	PROFILE	160.00	160.00	50.00	50.00	OC21V	ACETONE	
G166DFA	MW-166	04/20/2001	PROFILE	170.00	170.00	60.00	60.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G166DFA	MW-166	04/20/2001	PROFILE	170.00	170.00	60.00	60.00	OC21V	ACETONE	
G166DFD	MW-166	04/20/2001	PROFILE	170.00	170.00	60.00	60.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G166DFD	MW-166	04/20/2001	PROFILE	170.00	170.00	60.00	60.00	OC21V	ACETONE	
G166DGA	MW-166	04/25/2001	PROFILE	180.00	180.00	70.00	70.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES

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TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 3/15/01-4/30/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G166DGA	MW-166	04/25/2001	PROFILE	180.00	180.00	70.00	70.00	OC21V	ACETONE	
G166DHA	MW-166	04/25/2001	PROFILE	190.00	190.00	80.00	80.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G166DHA	MW-166	04/25/2001	PROFILE	190.00	190.00	80.00	80.00	OC21V	ACETONE	
G166DHA	MW-166	04/25/2001	PROFILE	190.00	190.00	80.00	80.00	OC21V	CHLOROFORM	
G166DHA	MW-166	04/25/2001	PROFILE	190.00	190.00	80.00	80.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G166DIA	MW-166	04/25/2001	PROFILE	200.00	200.00	90.00	90.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G166DIA	MW-166	04/25/2001	PROFILE	200.00	200.00	90.00	90.00	OC21V	ACETONE	
G166DIA	MW-166	04/25/2001	PROFILE	200.00	200.00	90.00	90.00	OC21V	CHLOROFORM	
G166DJA	MW-166	04/25/2001	PROFILE	210.00	210.00	100.00	100.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G166DJA	MW-166	04/25/2001	PROFILE	210.00	210.00	100.00	100.00	OC21V	ACETONE	
G166DJA	MW-166	04/25/2001	PROFILE	210.00	210.00	100.00	100.00	OC21V	CHLOROFORM	
G166DKA	MW-166	04/25/2001	PROFILE	220.00	220.00	110.00	110.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G166DKA	MW-166	04/25/2001	PROFILE	220.00	220.00	110.00	110.00	OC21V	ACETONE	
G166DKA	MW-166	04/25/2001	PROFILE	220.00	220.00	110.00	110.00	OC21V	CHLOROFORM	
G166DKA	MW-166	04/25/2001	PROFILE	220.00	220.00	110.00	110.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G166DLA	MW-166	04/25/2001	PROFILE	230.00	230.00	120.00	120.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G166DLA	MW-166	04/25/2001	PROFILE	230.00	230.00	120.00	120.00	OC21V	ACETONE	
G166DLA	MW-166	04/25/2001	PROFILE	230.00	230.00	120.00	120.00	OC21V	CHLOROFORM	
G166DMA	MW-166	04/25/2001	PROFILE	240.00	240.00	130.00	130.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G166DMA	MW-166	04/25/2001	PROFILE	240.00	240.00	130.00	130.00	OC21V	ACETONE	
G166DMA	MW-166	04/25/2001	PROFILE	240.00	240.00	130.00	130.00	OC21V	CHLOROFORM	
G166DNA	MW-166	04/25/2001	PROFILE	250.00	250.00	140.00	140.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G166DNA	MW-166	04/25/2001	PROFILE	250.00	250.00	140.00	140.00	OC21V	ACETONE	
G166DNA	MW-166	04/25/2001	PROFILE	250.00	250.00	140.00	140.00	OC21V	CHLOROFORM	
G166DOA	MW-166	04/25/2001	PROFILE	260.00	260.00	150.00	150.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G166DOA	MW-166	04/25/2001	PROFILE	260.00	260.00	150.00	150.00	OC21V	ACETONE	
G166DOA	MW-166	04/25/2001	PROFILE	260.00	260.00	150.00	150.00	OC21V	CHLOROFORM	
G166DPA	MW-166	04/25/2001	PROFILE	270.00	270.00	160.00	160.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G166DPA	MW-166	04/25/2001	PROFILE	270.00	270.00	160.00	160.00	OC21V	ACETONE	
G166DPA	MW-166	04/25/2001	PROFILE	270.00	270.00	160.00	160.00	OC21V	CHLOROFORM	
G166DQA	MW-166	04/24/2001	PROFILE	280.00	280.00	170.00	170.00	OC21V	ACETONE	
G166DQA	MW-166	04/24/2001	PROFILE	280.00	280.00	170.00	170.00	OC21V	CHLOROFORM	

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TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 3/15/01-4/30/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G166DQD	MW-166	04/24/2001	PROFILE	280.00	280.00	170.00	170.00	OC21V	ACETONE	
G166DQD	MW-166	04/24/2001	PROFILE	280.00	280.00	170.00	170.00	OC21V	CHLOROFORM	
G166DRA	MW-166	04/24/2001	PROFILE	290.00	290.00	180.00	180.00	OC21V	ACETONE	
G166DRA	MW-166	04/24/2001	PROFILE	290.00	290.00	180.00	180.00	OC21V	CHLOROFORM	
G166DSA	MW-166	04/24/2001	PROFILE	300.00	300.00	190.00	190.00	OC21V	ACETONE	
G166DSA	MW-166	04/24/2001	PROFILE	300.00	300.00	190.00	190.00	OC21V	CHLOROFORM	
G166DTA	MW-166	04/24/2001	PROFILE	310.00	310.00	200.00	200.00	OC21V	ACETONE	
G166DTA	MW-166	04/24/2001	PROFILE	310.00	310.00	200.00	200.00	OC21V	CHLOROFORM	
G167DAA	MW-167	04/24/2001	PROFILE	90.00	90.00	3.80	3.80	8330N	1,3,5-TRINITROBENZENE	NO
G167DAA	MW-167	04/24/2001	PROFILE	90.00	90.00	3.80	3.80	8330N	1,3-DINITROBENZENE	NO
G167DAA	MW-167	04/24/2001	PROFILE	90.00	90.00	3.80	3.80	8330N	2,4-DINITROTOLUENE	NO
G167DAA	MW-167	04/24/2001	PROFILE	90.00	90.00	3.80	3.80	8330N	2,6-DINITROTOLUENE	NO
G167DAA	MW-167	04/24/2001	PROFILE	90.00	90.00	3.80	3.80	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G167DAA	MW-167	04/24/2001	PROFILE	90.00	90.00	3.80	3.80	8330N	3-NITROTOLUENE	NO
G167DAA	MW-167	04/24/2001	PROFILE	90.00	90.00	3.80	3.80	8330N	4-NITROTOLUENE	NO
G167DAA	MW-167	04/24/2001	PROFILE	90.00	90.00	3.80	3.80	8330N	NITROBENZENE	YES
G167DAA	MW-167	04/24/2001	PROFILE	90.00	90.00	3.80	3.80	8330N	NITROGLYCERIN	NO
G167DAA	MW-167	04/24/2001	PROFILE	90.00	90.00	3.80	3.80	8330N	PICRIC ACID	NO
G167DAA	MW-167	04/24/2001	PROFILE	90.00	90.00	3.80	3.80	8330N	TETRYL	NO
G167DBA	MW-167	04/24/2001	PROFILE	100.00	100.00	13.80	13.80	8330N	2,4,6-TRINITROTOLUENE	NO
G167DBA	MW-167	04/24/2001	PROFILE	100.00	100.00	13.80	13.80	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G167DBA	MW-167	04/24/2001	PROFILE	100.00	100.00	13.80	13.80	8330N	3-NITROTOLUENE	NO
G167DBA	MW-167	04/24/2001	PROFILE	100.00	100.00	13.80	13.80	8330N	4-NITROTOLUENE	NO
G167DBA	MW-167	04/24/2001	PROFILE	100.00	100.00	13.80	13.80	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G167DBA	MW-167	04/24/2001	PROFILE	100.00	100.00	13.80	13.80	8330N	NITROBENZENE	YES
G167DBA	MW-167	04/24/2001	PROFILE	100.00	100.00	13.80	13.80	8330N	PICRIC ACID	NO
G167DCA	MW-167	04/25/2001	PROFILE	110.00	110.00	23.80	23.80	8330N	3-NITROTOLUENE	NO
G167DCA	MW-167	04/25/2001	PROFILE	110.00	110.00	23.80	23.80	8330N	4-NITROTOLUENE	NO
G167DCA	MW-167	04/25/2001	PROFILE	110.00	110.00	23.80	23.80	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G167DCA	MW-167	04/25/2001	PROFILE	110.00	110.00	23.80	23.80	8330N	PICRIC ACID	NO
G167DDA	MW-167	04/25/2001	PROFILE	120.00	120.00	33.80	33.80	8330N	NITROGLYCERIN	NO
G167DDA	MW-167	04/25/2001	PROFILE	120.00	120.00	33.80	33.80	8330N	PICRIC ACID	NO

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(UNVALIDATED)
SAMPLES COLLECTED 3/15/01-4/30/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
HDP19105MM5SS1	P19105MM5SS13	04/04/2001	CRATER GRID	0.00	0.25			8330N	2,4,6-TRINITROTOLUENE	YES
HDP19105MM5SS1	P19105MM5SS13	04/04/2001	CRATER GRID	0.00	0.25			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
HDP19105MM5SS1	P19105MM5SS13	04/04/2001	CRATER GRID	0.00	0.25			8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
PWPPC24MR1A	RRA CONTAINMENT	03/24/2001	IDW					8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	
PWPPC24MR1A	RRA CONTAINMENT	03/24/2001	IDW					IM40MB	IRON	
PWPPC24MR1A	RRA CONTAINMENT	03/24/2001	IDW					IM40MB	MANGANESE	
PWPPC24MR1A	RRA CONTAINMENT	03/24/2001	IDW					IM40MB	ZINC	
PWPPC27MR1A	RRA CONTAINMENT	03/27/2001	IDW					8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	
PWPPC27MR1A	RRA CONTAINMENT	03/27/2001	IDW					IM40MB	ALUMINUM	
PWPPC27MR1A	RRA CONTAINMENT	03/27/2001	IDW					IM40MB	BARIUM	
PWPPC27MR1A	RRA CONTAINMENT	03/27/2001	IDW					IM40MB	BORON	
PWPPC27MR1A	RRA CONTAINMENT	03/27/2001	IDW					IM40MB	CADMIUM	
PWPPC27MR1A	RRA CONTAINMENT	03/27/2001	IDW					IM40MB	CALCIUM	
PWPPC27MR1A	RRA CONTAINMENT	03/27/2001	IDW					IM40MB	IRON	
PWPPC27MR1A	RRA CONTAINMENT	03/27/2001	IDW					IM40MB	LEAD	
PWPPC27MR1A	RRA CONTAINMENT	03/27/2001	IDW					IM40MB	MAGNESIUM	
PWPPC27MR1A	RRA CONTAINMENT	03/27/2001	IDW					IM40MB	MANGANESE	
PWPPC27MR1A	RRA CONTAINMENT	03/27/2001	IDW					IM40MB	NICKEL	
PWPPC27MR1A	RRA CONTAINMENT	03/27/2001	IDW					IM40MB	POTASSIUM	
PWPPC27MR1A	RRA CONTAINMENT	03/27/2001	IDW					IM40MB	SODIUM	
PWPPC27MR1A	RRA CONTAINMENT	03/27/2001	IDW					IM40MB	ZINC	

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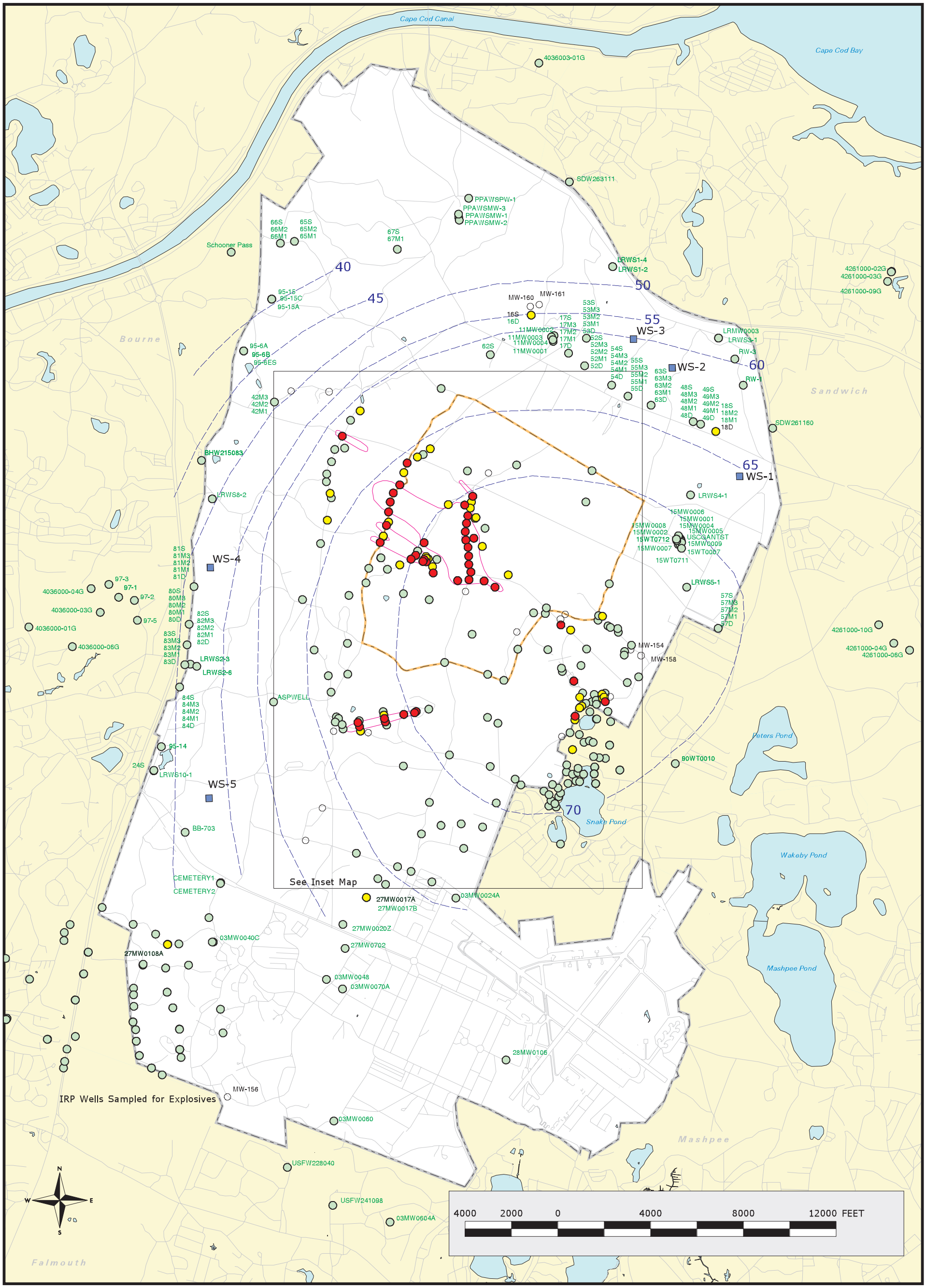

LEGEND

- Validated Detection GTE MCL/HA
- Validated Detection LT MCL/HA
- Validated Non-detect
- No Data Available
- 2.0 ug/l RDX Concentration Contour

Sources & Notes

Base from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPZone 2001, Units: Meters

amec May 02, 2001 DRAFT

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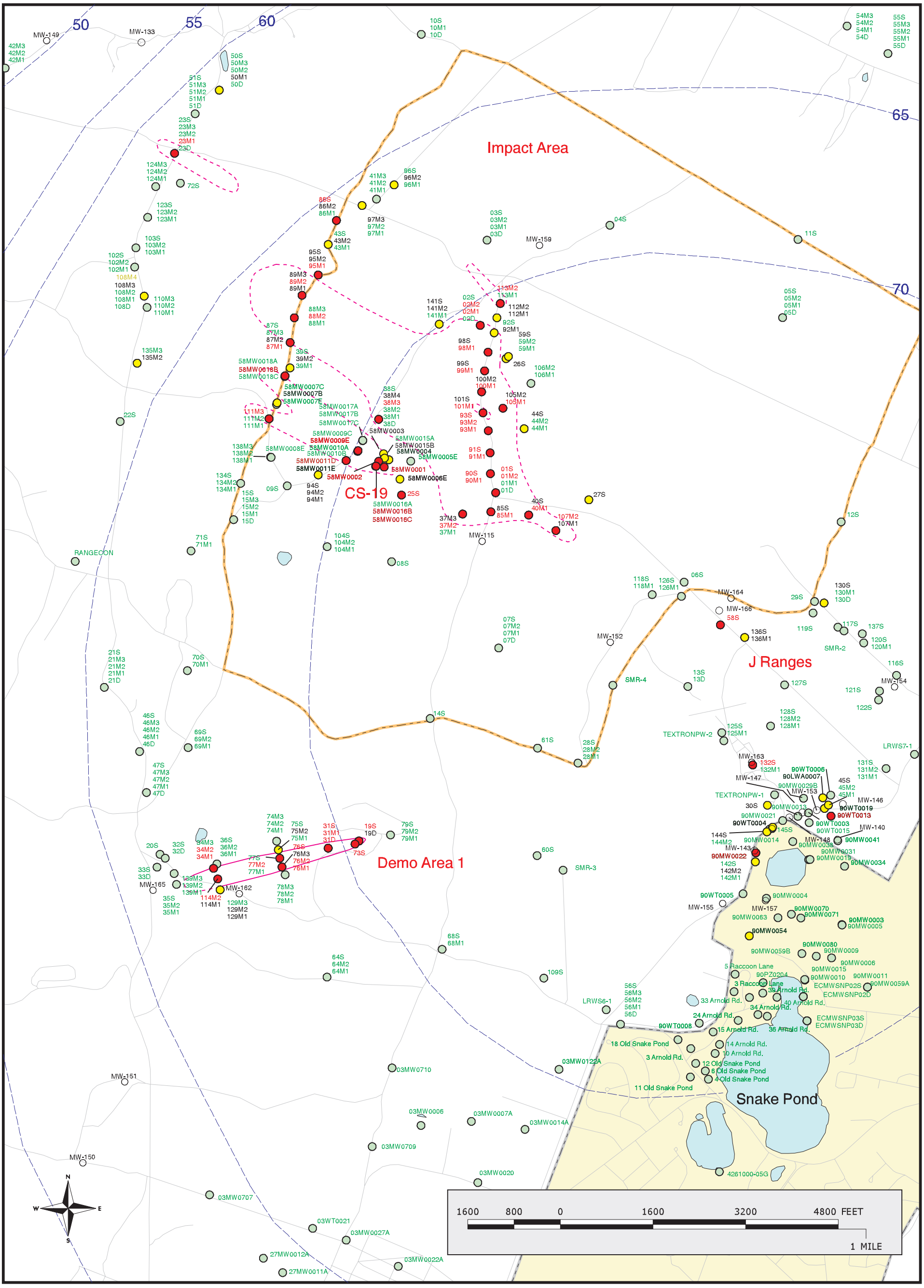
Figure 1

Explosives in Groundwater Compared to MCL/HAs Validated Data as of 04/27/01

Analyte Group
1



LEGEND

- Validated Detection GTE MCL/HA
- Validated Detection LT MCL/HA
- Validated Non-detect
- No Data Available
- 2.0 ug/l RDX Concentration Contour

Sources & Notes

Base from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPZone 2001, Units: Meters

amec May 02, 2001 DRAFT

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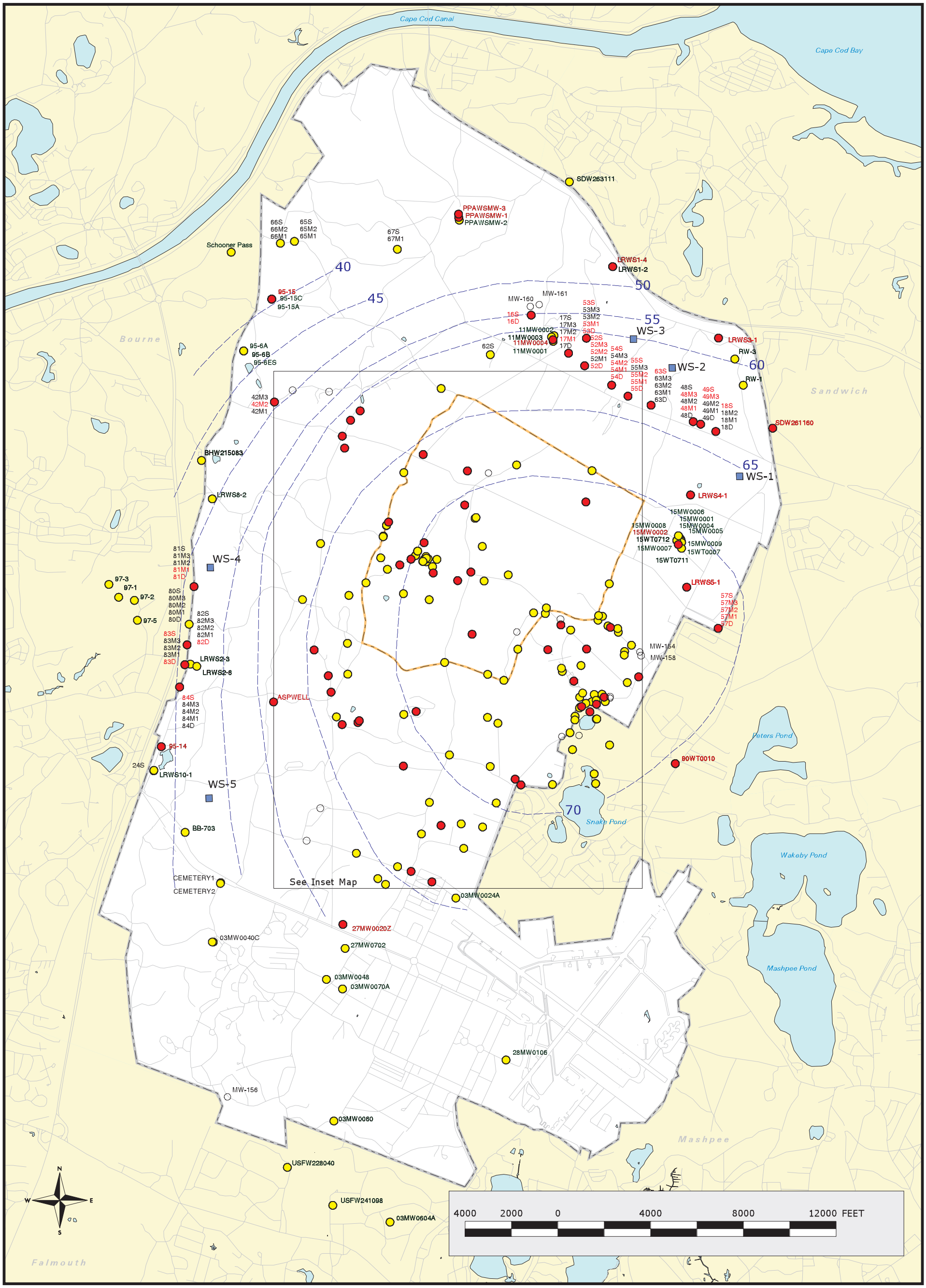
Figure 1 - INSET MAP

Explosives in Groundwater Compared to MCL/HAs Validated Data as of 04/27/01

Analyte Group
1



LEGEND

- Validated Detection GTE MCL/HA
- Validated Detection LT MCL/HA
- Validated Non-detect
- No Data Available

Sources & Notes

Base from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPZone 2001, Units: Meters

amec May 02, 2001 DRAFT

Figure 2

Metals in Groundwater Compared to MCL/HAs Validated Data as of 04/27/01

Analyte Group
2

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Impact Area

50 55 60 65 70

MW-149 MW-133 MW-159 MW-151 MW-150 MW-152 MW-164 MW-166 MW-163 MW-147 MW-153 MW-146 MW-140 MW-148 MW-143 MW-157 MW-155 MW-154

RANGECOON

SMR-2 SMR-3 SMR-4

TEXTRONPW-1 TEXTRONPW-2

Snake Pond

42M3 42M2 42M1
50S 50M3 50M2 50M1 50D
51S 51M3 51M2 51M1 51D
23S 23M3 23M2 23M1 23D
72S
10S 10M1 10D
54M3 54M2 54M1 54D
55S 55M3 55M2 55M1 55D
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04S
11S
02S 02M2 02M1 02D
05S 05M2 05M1 05D
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26S
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58MW0007C 58MW0007B 58MW0007E
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58MW0008E
58MW0011D 58MW0011E
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58MW0005E
58MW0001
58MW0006E
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27MW0012A
27MW0011A
03MW0022A

1600 800 0 1600 3200 4800 FEET
1 MILE

N W E S

LEGEND
- Validated Detection GTE MCL/HA
- Validated Detection LT MCL/HA
- Validated Non-detect
- No Data Available

Sources & Notes

Base from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPZone 2001, Units: Meters

amec May 02, 2001 DRAFT

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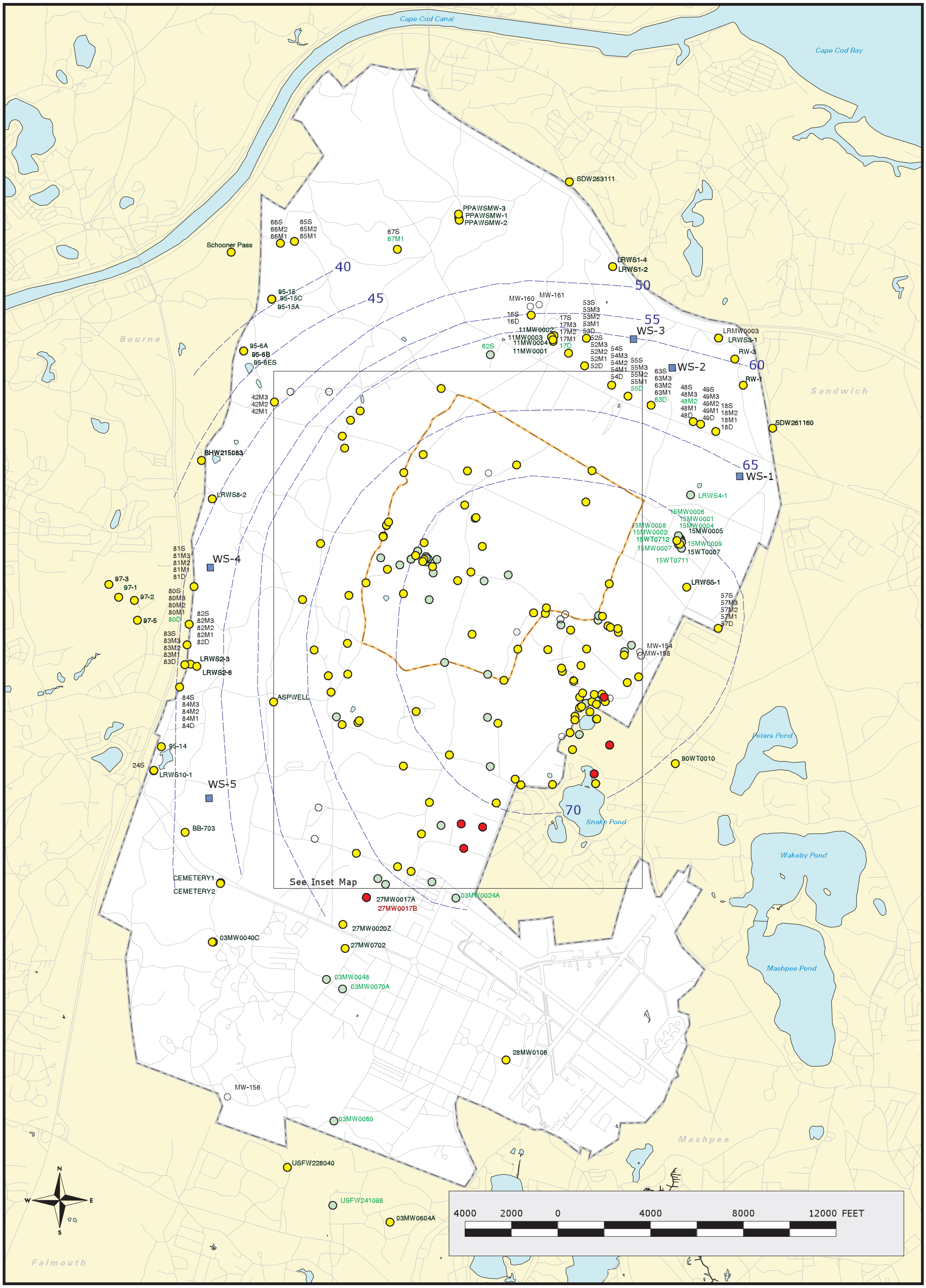
Figure 2 - INSET MAP
Metals in Groundwater
Compared to MCL/HAs
Validated Data as of 04/27/01
Analyte Group
2



LEGEND

- Validated Detection GTE MCL/HA
- Validated Detection LT MCL/HA
- Validated Non-detect
- No Data Available

Sources & Notes

Base from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPZone 2001, Units: Meters

Figure 3

VOCs in Groundwater Compared to MCL/HAs Validated Data as of 04/27/01

Analyte Group
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amec May 02, 2001 DRAFT

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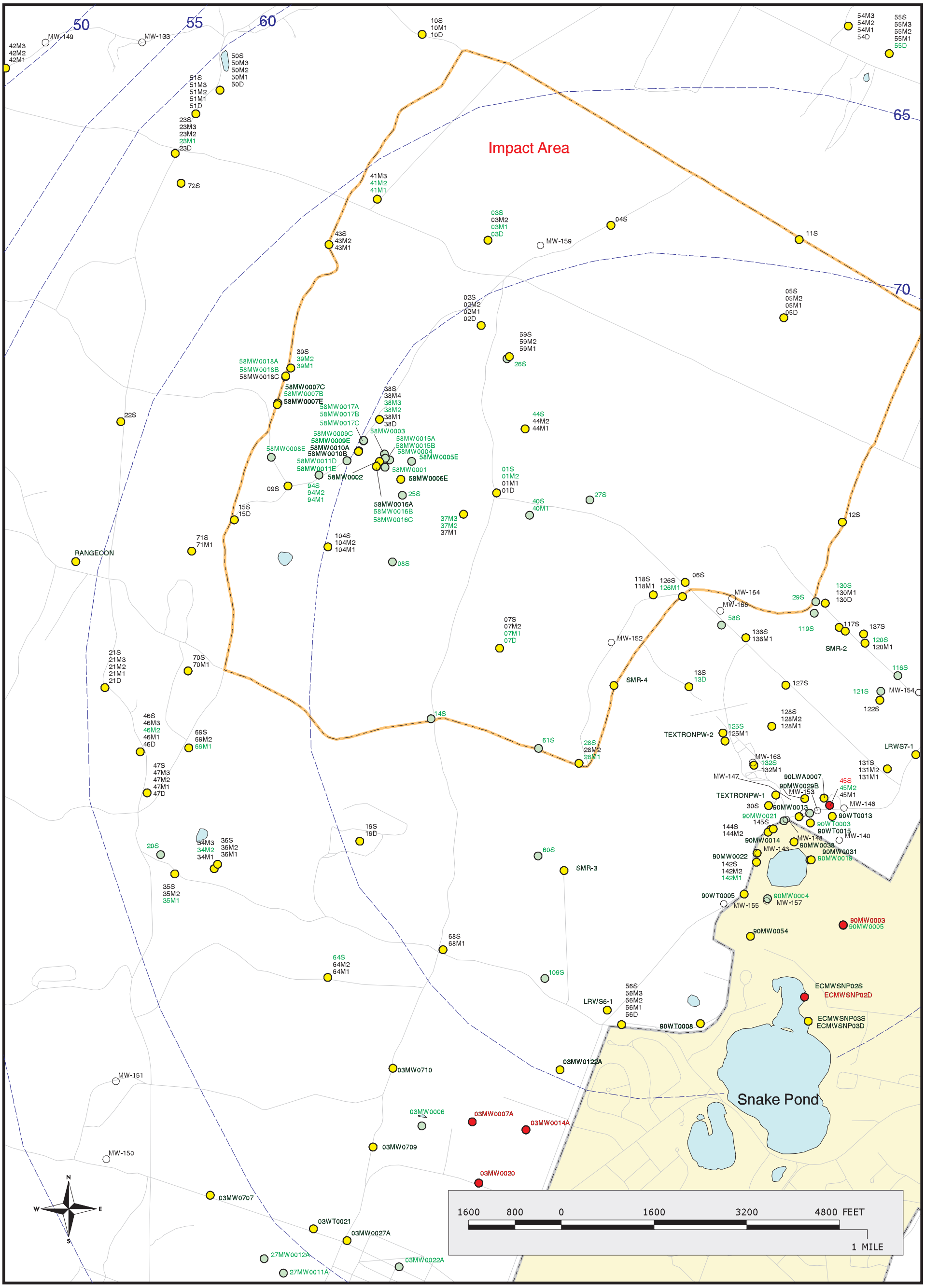

LEGEND

- Validated Detection GTE MCL/HA
- Validated Detection LT MCL/HA
- Validated Non-detect
- No Data Available

Sources & Notes

Base from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPZone 2001, Units: Meters

amec May 02, 2001 DRAFT

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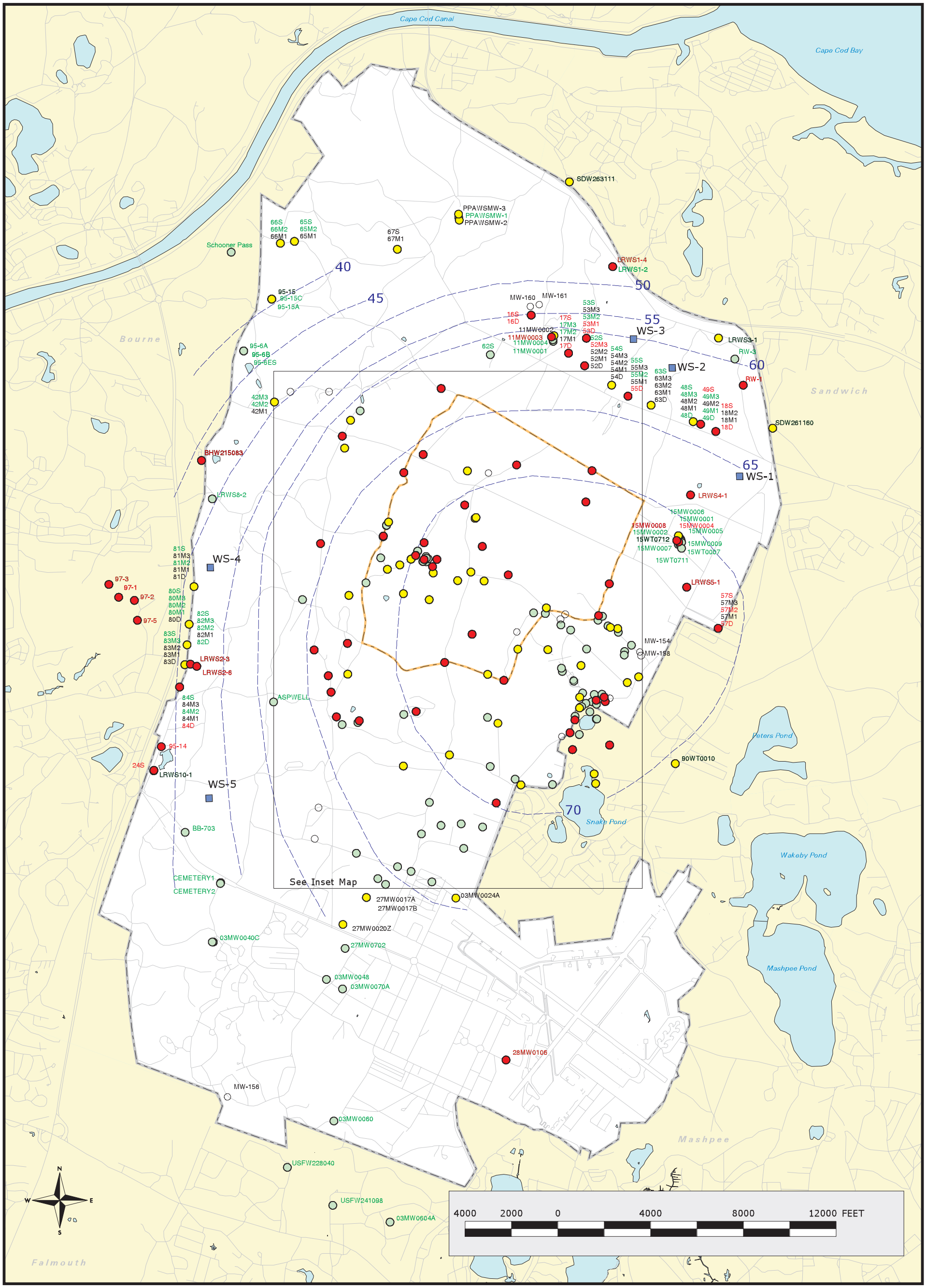
Figure 3 - INSET MAP

VOCs in Groundwater Compared to MCL/HAs Validated Data as of 04/27/01

Analyte Group
3



LEGEND

- Validated Detection GTE MCL/HA
- Validated Detection LT MCL/HA
- Validated Non-detect
- No Data Available

Sources & Notes

Base from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPZone 2001, Units: Meters

amec May 02, 2001 DRAFT

Figure 4

SVOCs in Groundwater Compared to MCL/HAs Validated Data as of 04/27/01

Analyte Group
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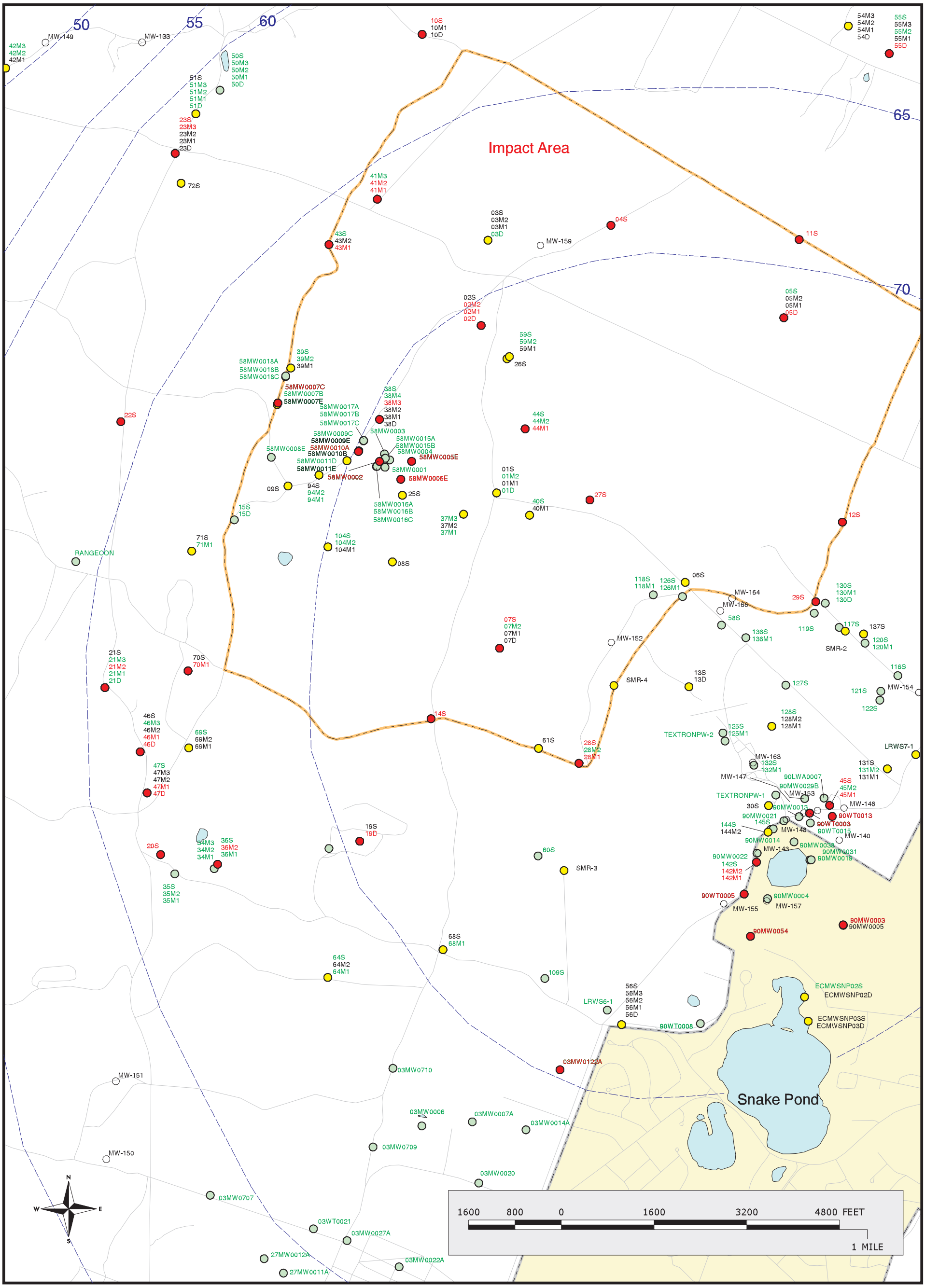

LEGEND

- Validated Detection GTE MCL/HA
- Validated Detection LT MCL/HA
- Validated Non-detect
- No Data Available

Sources & Notes

Base from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPZone 2001, Units: Meters

amec May 02, 2001 DRAFT

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Figure 4 - INSET MAP

SVOCs in Groundwater
Compared to MCL/HAs
Validated Data as of 04/27/01

Analyte Group
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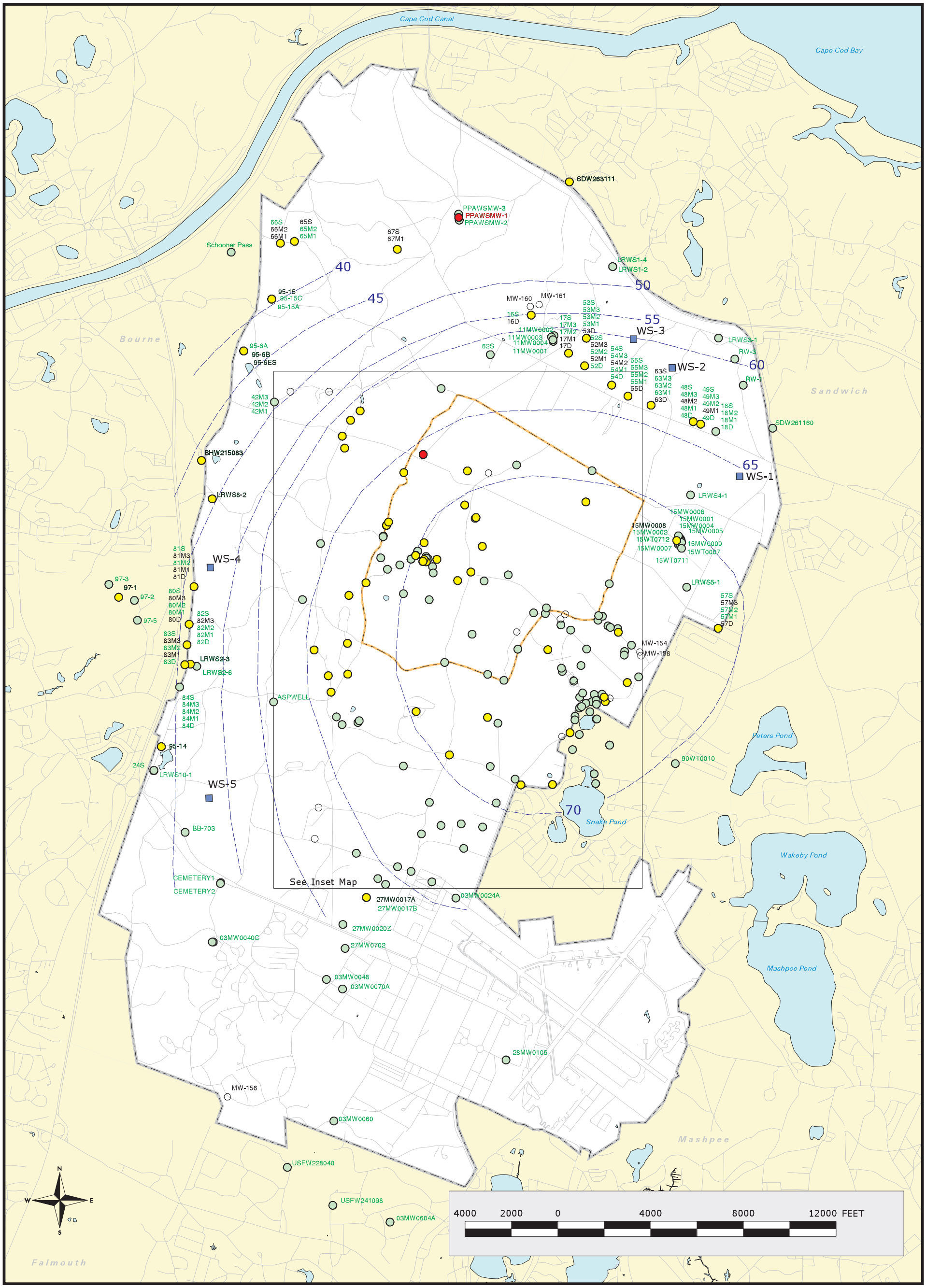

LEGEND

- Validated Detection GTE MCL/HA
- Validated Detection LT MCL/HA
- Validated Non-detect
- No Data Available

Sources & Notes

Base from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPZone 2001, Units: Meters

Figure 5

Herbicides and Pesticides in Groundwater Compared to MCL/HAs Validated Data as of 04/27/01

Analyte Group
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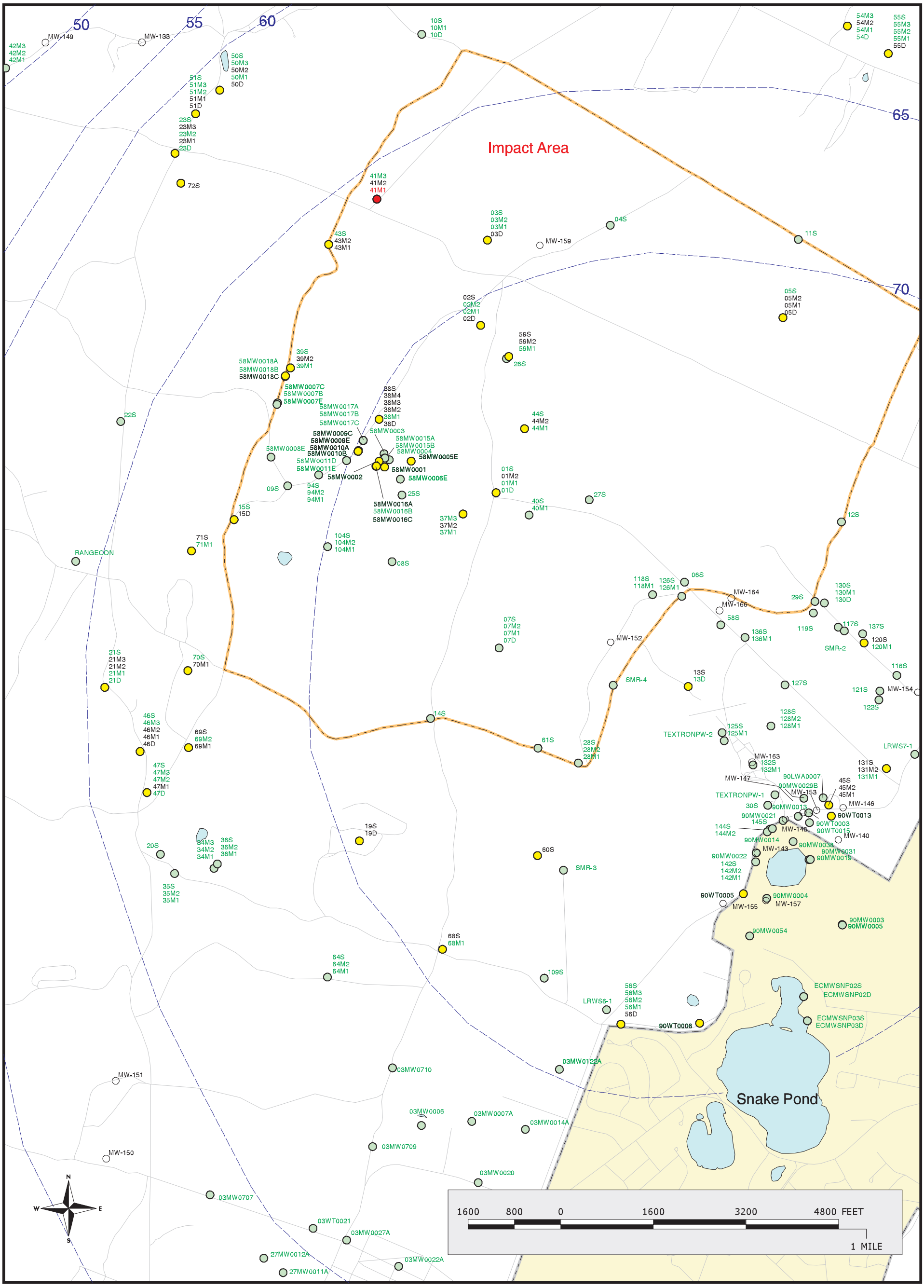

LEGEND

- Validated Detection GTE MCL/HA
- Validated Detection LT MCL/HA
- Validated Non-detect
- No Data Available

Sources & Notes

Base from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPZone 2001, Units: Meters

Figure 5 - INSET MAP

Herbicides and Pesticides in Groundwater Compared to MCL/HAs Validated Data as of 04/27/01

Analyte Group
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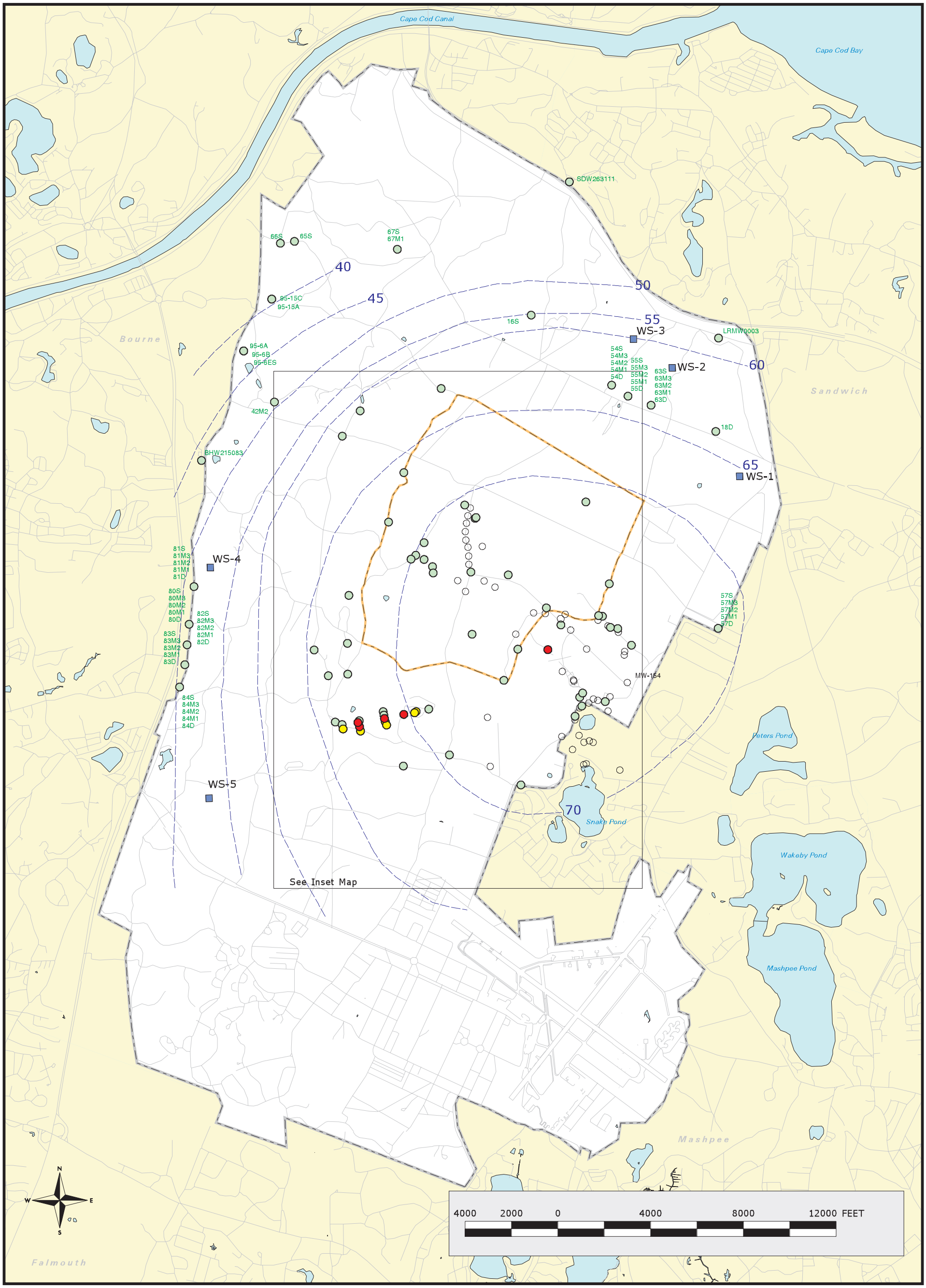

LEGEND

- Validated Detection GTE Safe Exposure Limit
- Validated Detection LT Safe Exposure Limit
- Validated Non-detect
- No Data Available

Sources & Notes

Base from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPZone 2001, Units: Meters

amec May 02, 2001 DRAFT

Figure 6
Perchlorate in Groundwater
Compared to Safe Exposure Limit
Validated Data as of 04/27/01
Analyte Group
6

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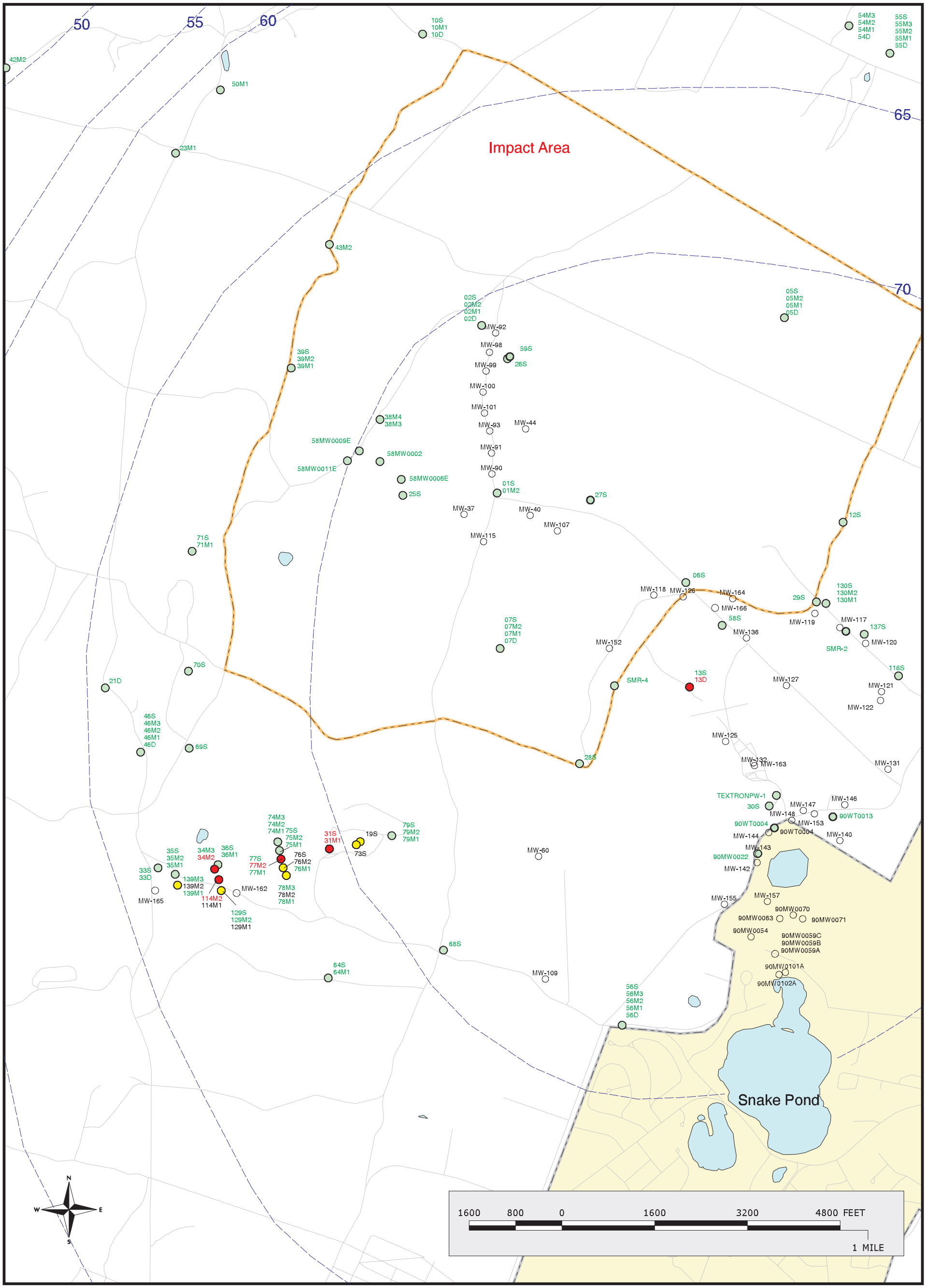

LEGEND

- Validated Detection GTE Safe Exposure Limit
- Validated Detection LT Safe Exposure Limit
- Validated Non-detect
- No Data Available

Sources & Notes

Base from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPZone 2001, Units: Meters

amec May 02, 2001 DRAFT

Figure 6 - INSET MAP

Perchlorate in Groundwater
Compared to Safe Exposure Limit
Validated Data as of 04/27/01

Analyte Group
6

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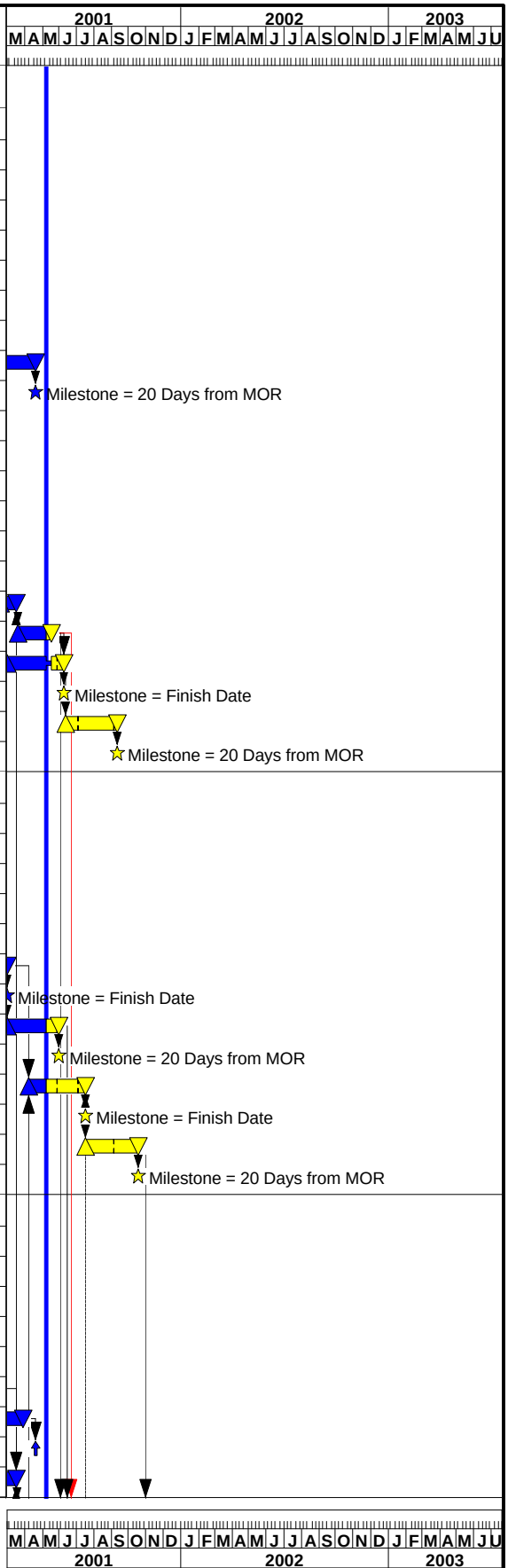
Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Site Characterization (AO1)					
Demo Area 1					
00110	Demo 1 Soil/GW Investigation		0	14OCT99A	23MAR00A
00120	Demo 1 Soil/GW Report Preparation		0	09MAR00A	08JUN00A
00130	Demo 1 Draft Soil/GW Report	YES	0		08JUN00A
00144	Demo 1 Establish GW COCs		0	22AUG00A	05DEC00A
00146	Demo 1 Rvw/Apprv GW COCs		0	06DEC00A	19DEC00A
00148	Demo 1 Prepare Draft GW Report		0	20DEC00A	18JAN01A
00150	Demo 1 Draft GW Report	YES	0		18JAN01A
00152	Demo 1 Revise Draft GW Report		0	19JAN01A	19APR01A
00154	Demo 1 Final GW Report	YES	0		19APR01A
00160	Demo 1 Geophysics Investigation		0	05JAN00A	15JUN00A
00170	Demo 1 Geophysics Presentation		0		15JUN00A
00175	Start Soil Investigation		0	27JUN00A	
00182	Geophysics Validation		0	24AUG00A	02OCT00A
00180	Soil Investigation		0	27JUN00A	27OCT00A
00181	Soil Analyses & Validation		0	30OCT00A	12JAN01A
00141	Demo 1 Establish Soil COCs		0	12FEB01A	16MAR01A
00142	Demo 1 Rvw/Apprv Soil COCs		8	19MAR01A	17MAY01
00156	Demo 1 Prepare Draft Soil Report		16	26FEB01A	08JUN01
00157	Demo 1 Draft Soil Report	YES	0		08JUN01
00158	Demo 1 Revise Draft Soil Report		65	11JUN01	11SEP01
00159	Demo 1 Final Soil Report	YES	0		11SEP01
Central Impact Area					
00210	Impact Area Planning		0	23AUG99A	24JAN00A
00220	Impact Area Start Data Collection	YES	0	05JAN00A	
00230	Impact Area Investigation		0	05JAN00A	27JUL00A
00272	Response Plan Preparation		0	03MAY00A	31AUG00A
00274	Response Plan Investigation		0	14JUN00A	20DEC00A
00276	Response Plan Report Prep.		0	27NOV00A	28FEB01A
00278	Response Plan Draft Report (GW)	YES	0		28FEB01A
00280	Response Plan Revise Draft Report		17	01MAR01A	31MAY01
00282	Response Plan Final Report (GW)	YES	0		31MAY01
00286	Prepare Draft Soil Report		49	09APR01A	17JUL01
00288	Submit Draft Soil Report	YES	0		17JUL01
00290	Revise Draft Soil Report		65	18JUL01	17OCT01
00292	Final Soil Report	YES	0		17OCT01
J-2 Range					
00310	J-2 Range Planning		0	08FEB00A	07APR00A
00320	J-2 Range Draft Workplan	YES	0		07APR00A
00330	J-2 Range Rev. Draft Workplan		0	10APR00A	01AUG00A
00340	J-2 Range Final Workplan		0		01AUG00A
00350	J-2 Range Start Data Collection	YES	0	05JUL00A	
00360	J-2 Range Investigation		0	05JUL00A	01DEC00A
00365	J-2 Range Geophysics Survey		0	15MAY00A	28MAR01A
00367	J-2 Range Geophysics Prsntatn.		0		19APR01A
00370	J-2 Range Report Preparation		0	16NOV00A	16MAR01A



Project Start 29FEB00
Project Finish 21SEP05
Data Date 08MAY01
Run Date 08MAY01

Early Bar
Progress Bar

UBER

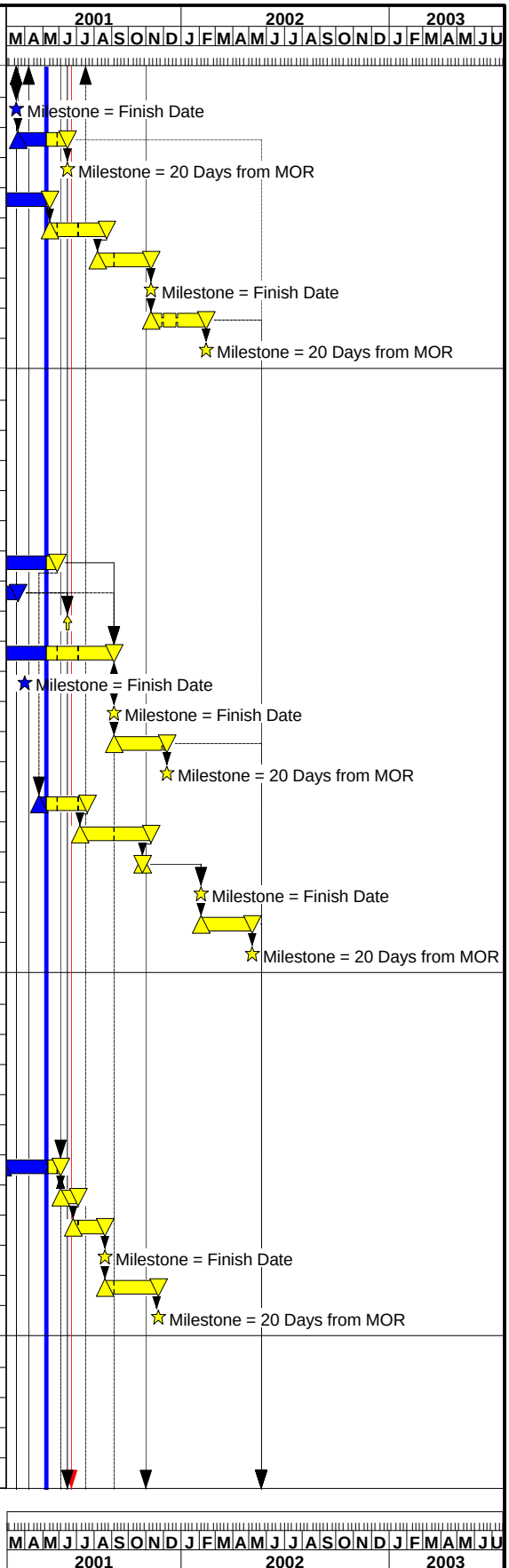
Sheet 1 of 8

DRAFT

Date	Revision	Checked	Approved

Figure 7. Combined Schedule for Impact Area Groundwater Study Prgrm as of 5/8/01

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
J-2 Range					
00380	J-2 Range Draft Report	YES	0		16MAR01A
00390	J-2 Range Revise Draft Report		27	19MAR01A	14JUN01
00391	J-2 Range Final Report	YES	0		14JUN01
00392	Additional Delineation Planning		6	04DEC00A	15MAY01
00393	Additional Delineation Investigation		69	16MAY01	22AUG01
00394	Additional Delineation Report Prep.		65	08AUG01	07NOV01
00395	Additional Delineation Draft Report	YES	0		07NOV01
00396	Additional Delineation Rev. Draft Report		65	08NOV01	12FEB02
00397	Additional Delineation Final Report	YES	0		12FEB02
J-1/J-3 Range					
00410	J-1/J-3 Range Planning		0	06DEC99A	21APR00A
00420	J-1/J-3 Range Draft Workplan	YES	0		21APR00A
00430	J-1/J-3 Range Rev. Draft Workplan		0	24APR00A	25AUG00A
00440	J-1/J-3 Range Final Workplan		0		25AUG00A
00450	J-1/J-3 Range Start Data Cllctn	YES	0	26JUL00A	
00460	J-1/J-3 Range Investigation		14	26JUL00A	25MAY01
00465	J-1/J-3 Range Geophys. Investigation		0	15MAY00A	20MAR01A
00467	J-1/J-3 Range Geophys. Presentation		0		15JUN01*
00470	J-1/J-3 Range Report Preparation		84	22JAN01A	05SEP01
00475	J-1/J-3/L Range Interim Results Report	YES	0		30MAR01A
00480	J-1/J-3 Range Draft Report	YES	0		05SEP01
00490	J-1/J-3 Range Rev. Draft Report		65	06SEP01	07DEC01
00491	J-1/J-3 Range Final Report	YES	0		07DEC01
00492	Additional Delineation Planning		52	26APR01A	20JUL01
00493	Additional Delineation Investigation		88	06JUL01	07NOV01
00494	Additional Delineation Report Prep.		70	24OCT01	04FEB02
00495	Additional Delineation Draft Report	YES	0		04FEB02
00496	Additional Delineation Rev. Draft Report		65	05FEB02	06MAY02
00497	Additional Delineation Final Report	YES	0		06MAY02
Gun/Mortar Positions					
00510	Gun/Mortar Investigation		0	30AUG99A	17APR00A
00515	Gun/Mortar Geophys. Presentation		0		23MAR00A
00520	Gun/Mortar Report Preparation		0	24MAR00A	07JUL00A
00530	Gun/Mortar Draft Report	YES	0		07JUL00A
00540	Gun/Mortar Report MOR		0	10JUL00A	16NOV00A
00542	Gun/Mortar Establish COCs		15	16FEB01A	01JUN01
00544	Gun/Mortar Rev/Apprv COCs		21	04JUN01	02JUL01
00546	Gun/Mortar Prepare Draft Final Report		40	25JUN01	20AUG01
00548	Gun/Mortar Draft Final Report	YES	0		20AUG01
00549	Gun/Mortar Rev. Draft Final		65	21AUG01	20NOV01
00550	Gun/Mortar Final Report	YES	0		20NOV01
Trenches, Bunkers, Ground Scars					
00610	Trenches Draft Workplan		0	04OCT99A	
00620	Trenches Rev. Draft Workplan		0	05OCT99A	06DEC99A
00630	Trenches Final Workplan		0		06DEC99A
00640	Trenches Start Data Collection	YES	0	06DEC99A	



Project Start	29FEB00
Project Finish	21SEP05
Data Date	08MAY01
Run Date	08MAY01

Early Bar
Progress Bar

UBER

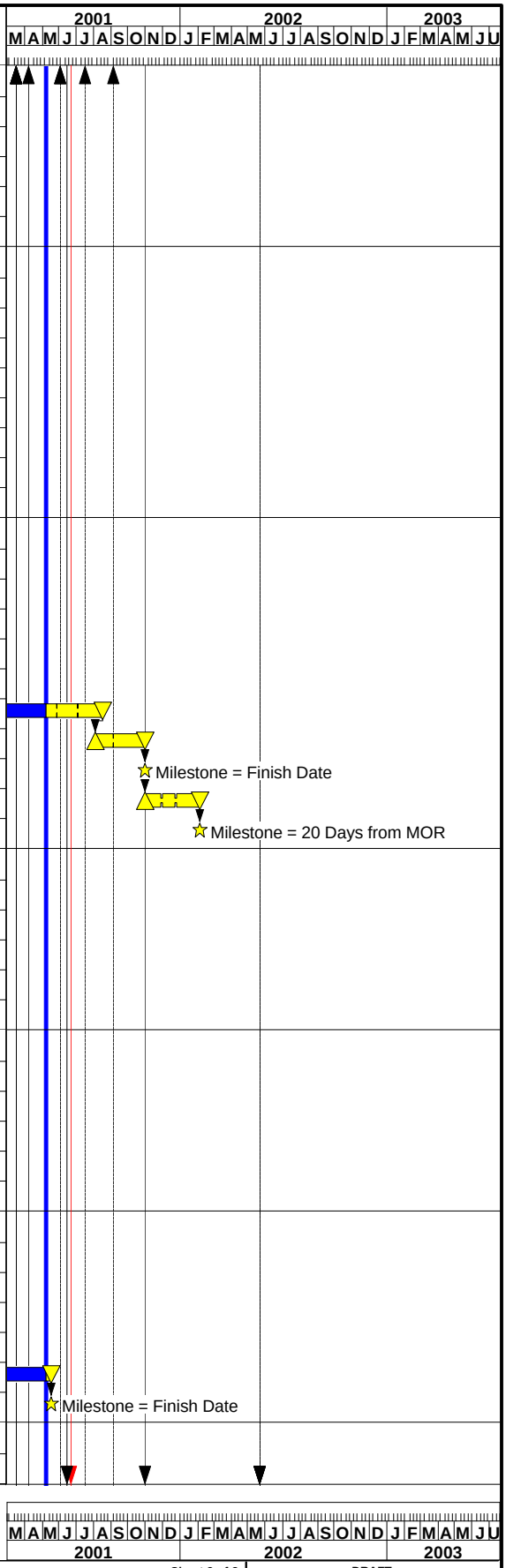
Sheet 2 of 8

Figure 7. Combined Schedule for Impact Area Groundwater Study Prgrm as of 5/8/01

DRAFT

Date	Revision	Checked	Approved

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Trenches, Bunkers, Ground Scars					
00650	Trenches Investigation		0	06DEC99A	13MAR00A
00660	Trenches Report Preparation		0	28FEB00A	23MAY00A
00670	Trenches Draft Report	YES	0		23MAY00A
00680	Trenches Revise Draft Report		0	24MAY00A	18SEP00A
00690	Trenches Final Report	YES	0		18SEP00A
Mortar Targets					
00710	Mortar Targets Draft Workplan		0	04OCT99A	
00720	Mortar Targets Revise Draft Workplan		0	05OCT99A	03DEC99A
00730	Mortar Targets Final Workplan		0		03DEC99A
00740	Mortar Targets Start Data Cllctn	YES	0	06DEC99A	
00750	Mortar Targets Investigation		0	06DEC99A	23JUN00A
00760	Mortar Targets Report Preparation		0	18MAY00A	02AUG00A
00770	Mortar Targets Draft Report	YES	0		02AUG00A
00780	Mortar Targets Report MOR		0	03AUG00A	16NOV00A
Training Areas					
00810	Training Areas Planning		0	01APR99A	22JUL99A
00820	Training Areas Draft Workplan		0		22JUL99A
00830	Training Areas Rev. Draft Workplan		0	23JUL99A	23MAR00A
00840	Training Areas Final Workplan	YES	0		23MAR00A
00850	Training Areas Start Data Cllctn	YES	0	20MAR00A	
00860	Training Areas Investigation		71	20MAR00A	16AUG01
00870	Training Areas Report Preparation		62	03AUG01	30OCT01
00880	Training Areas Draft Report	YES	0		30OCT01
00890	Training Areas Rev. Draft Report		65	31OCT01	04FEB02
00895	Training Areas Final Report	YES	0		04FEB02
KD/U Ranges					
00910	KD/U Investigation		0	10MAY99A	18OCT99A
00920	KD/U Report Preparation		0	27SEP99A	03NOV99A
00930	KD/U Draft Report		0		03NOV99A
00940	KD/U Revise Draft Report		0	04NOV99A	16JUN00A
00950	KD/U Final Report		0		16JUN00A
J-3 Wetland					
01010	J-3 Wetland Investigation		0	15APR99A	18MAY99A
01020	J-3 Wetland Report Preparation		0	13MAY99A	04NOV99A
01030	J-3 Wetland Draft Report		0		04NOV99A
01040	J-3 Wetland Revise Draft Report		0	05NOV99A	20JUL00A
01050	J-3 Wetland Final Report		0		20JUL00A
High Use Target Area 1					
01110	HUTA Planning		0	10JAN00A	24APR00A
01120	HUTA Draft Workplan		0		24APR00A
01130	HUTA Revise Draft Workplan		0	24APR00A	27OCT00A
01140	HUTA Final Workplan		0		27OCT00A
01170	HUTA Report Preparation		9	04DEC00A	18MAY01
01180	HUTA Draft Interim Report	YES	0		18MAY01
Water Bodies					
01210	Water Body Geophys. Investig.		0	19NOV99A	16JUN00A



Project Start 29FEB00
Project Finish 21SEP05
Data Date 08MAY01
Run Date 08MAY01

Early Bar
Progress Bar

UBER

Sheet 3 of 8

Figure 7. Combined Schedule for Impact Area Groundwater Study Prgrm as of 5/8/01

DRAFT

Date	Revision	Checked	Approved

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Water Bodies					
01220	Water Body Geophys. Present.		0		13JUL00A
Slit Trench					
01310	Slit Trench Geophys. Investig.		0	01MAY00A	16JUN00A
01320	Slit Trench Geophys. Present.		0		27JUL00A
Impact Area Targets					
01410	Targets Draft Workplan		0	24APR00A	31MAY00A
01420	Targets Revise Draft Workplan		0	01JUN00A	08AUG00A
01430	Targets Final Workplan		0		08AUG00A
01440	Targets Start Data Cllctn	YES	0	01AUG00A	
01450	Targets Investigation (Phase 1)		0	01AUG00A	01NOV00A
01460	Targets Report Preparation		0	23OCT00A	22JAN01A
01470	Targets Draft Report (Phase 1)	YES	0		22JAN01A
01480	Targets Rev. Draft Report		0	23JAN01A	18APR01A
01490	Targets Final Report (Phase 1)	YES	0		18APR01A
Phase II(b)					
01500	Phase II(b) Draft Workplans		0	01JUN00A	31AUG00A
01510	Revise Draft Workplans		0	01SEP00A	16NOV00A
01520	Phase II(b) Final Workplans		0		17NOV00A
01530	Phase II(b) Investigations		19	15JAN01A	04JUN01
01540	Phase II(b) Report Preparation		60	05JUN01	28AUG01
01550	Phase II(b) Draft Report	YES	0		28AUG01
01560	Revise Draft Report		65	29AUG01	30NOV01
01570	Phase II(b) Final Report	YES	0		30NOV01
Fate and Transport Modeling					
07100	Modeling Planning		0	01JAN99A	22JUL99A
07110	Draft Modeling Proposal		0		22JUL99A
07120	Revise Modeling Proposal		0	23JUL99A	16MAY00A
07130	Develop Model Parameters		0	17MAY00A	19DEC00A
Groundwater Monitoring Programs					
08100	Water Supply (Qrtrly & Annual)	YES	0	12JUL99A	29DEC00A
08110	Phase I Wells	YES	0	01SEP97A	30NOV99A
08120	Far Field Group 1 Wells	YES	0	17FEB99A	22NOV99A
08130	Supplemental IRP Wells	YES	0	08APR99A	04FEB00A
08140	Phase II (a) Wells	YES	0	30MAR99A	11MAY00A
08150	Far Field Group 2 Wells	YES	0	21SEP99A	14APR00A
08160	Far Field New Group 2 Wells		0	21OCT99A	07JUL00A
08170	Gun/Mortar Position Wells	YES	0	01NOV99A	04MAY00A
08180	Demo 1 1999 Response Wells		0	20JAN00A	03AUG00A
08190	Impact Area 2000 Response Wells		59	28APR00A	31JUL01
08200	CY 2000 Interim LT Monitoring		0	02MAY00A	29DEC00A
Analytical Methods					
08510	Draft PEP Report Preparation		0	05NOV98A	30NOV98A
08520	Draft PEP Report	YES	0		30NOV98A
08530	Revise Draft PEP Report		0	01DEC98A	26JUN00A
08540	Final PEP Report		0		26JUN00A
08560	Scoping Dioxin Method		0	01DEC99A	27JAN00A

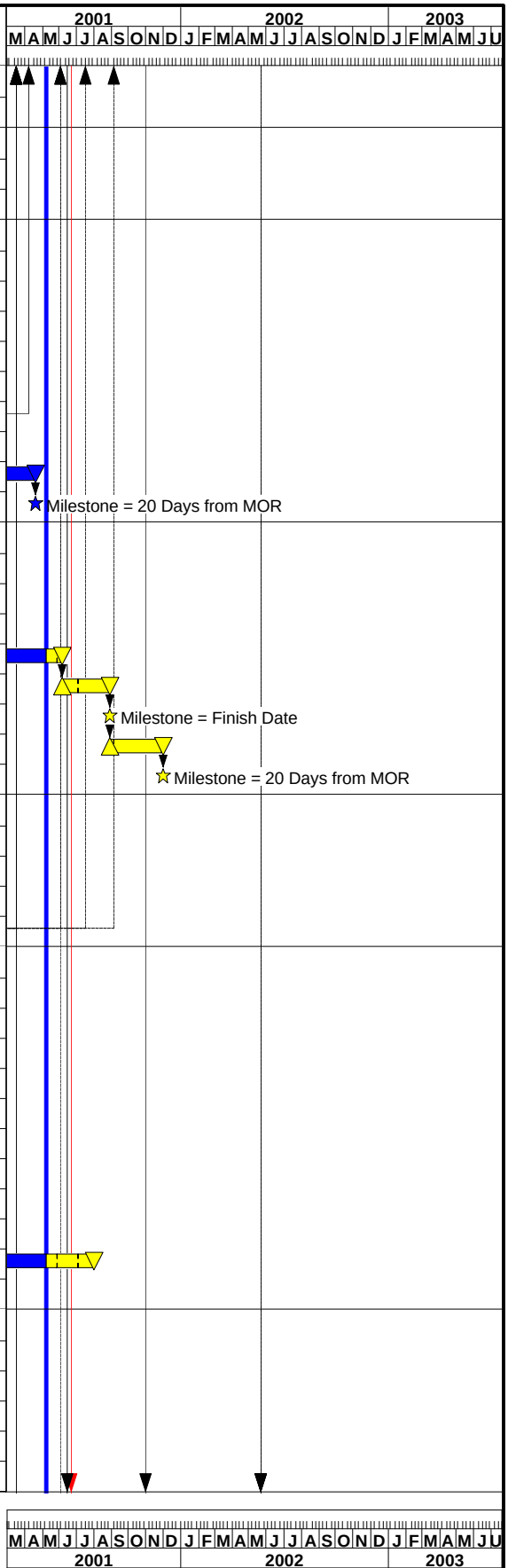


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Figure 7. Combined Schedule for Impact Area Groundwater Study Prgrm as of 5/8/01

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Date	Revision	Checked	Approved

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Analytical Methods					
08570	Scoping Perchlorate Method		0	06OCT99A	24FEB00A
Reports					
09160	Phase II Interim Results Preparation		0	01SEP99A	01NOV99A
09170	Phase II Interim Results Report		0		01NOV99A
09180	Background GW Report Prep		0	01NOV99A	10DEC99A
09190	Draft Background GW Report		0		10DEC99A
09200	Draft ILTGM Plan Preparation		0	06JAN00A	01MAR00A
09210	Draft ILTGM Plan		0		02MAR00A
09220	Revise Draft ILTGM Plan		0	02MAR00A	18AUG00A
09230	Final ILTGM Plan		0		18AUG00A
09290	Draft Geophysics Report	YES	0	30OCT00A	
09300	Revise Draft Geophysics Report		48	30OCT00A	16JUL01
09310	Final Geophysics Report	YES	0		16JUL01
09330	Submit Draft Revised ASR	YES	0		31JUL01
Rapid Response Actions (AO3)					
Group 1 (KD, J-3, GP-16, APC)					
10110	RRA Workplan Preparation		0	31JAN00A	01MAR00A
10120	Draft RRA Workplan	YES	0		01MAR00A
10130	Revise Draft RRA Workplan		0	02MAR00A	07AUG00A
10140	Final RRA Workplan		0		07AUG00A
10150	Pre-RRA Implementation		0	14FEB00A	22SEP00A
10155	RRA Source Control		0	17JUL00A	29SEP00A
10160	RRA Source Control Complete	YES	0		29SEP00A
10170	RRA Site Restoration		0	02OCT00A	26OCT00A
10180	RRA Site Restoration Complete	YES	0		26OCT00A
10190	RRA Innovative Treatment		0	17JUL00A	27FEB01A
10195	RRA Completion of Work Report		0	28FEB01A	30APR01A
Feasibility Studies (AO3)					
FS Workplan					
20110	FS Workplan Preparation		0	14FEB00A	06APR00A
20120	FS Draft Workplan	YES	0		06APR00A
20123	Develop COPC/COC Process		0	10AUG00A	17NOV00A
20124	EPA provide MMR SSLs/PRGs		0		21NOV00A
20125	Develop Soil Background		0	22AUG00A	15FEB01A
20130	FS Revise Draft Workplan		0	10APR00A	19DEC00A
20140	FS Final Workplan	YES	0		19DEC00A
Demo Area 1					
Soil Operable Unit					
21170	FS Screening Report Preparation		33	19MAR01A	22JUN01
21180	Draft FS Screening Report	YES	0		22JUN01
21190	Revise Draft FS Screening Report		65	25JUN01	25SEP01
21200	Final FS Screening Report	YES	0		25SEP01
21210	Post-Screening Invest. Workplan Prep.		22	28AUG01	27SEP01
21220	Draft Post-Screening Invest. Workplan	YES	0		27SEP01
21230	Revise Draft PSI Workplan		65	28SEP01	02JAN02

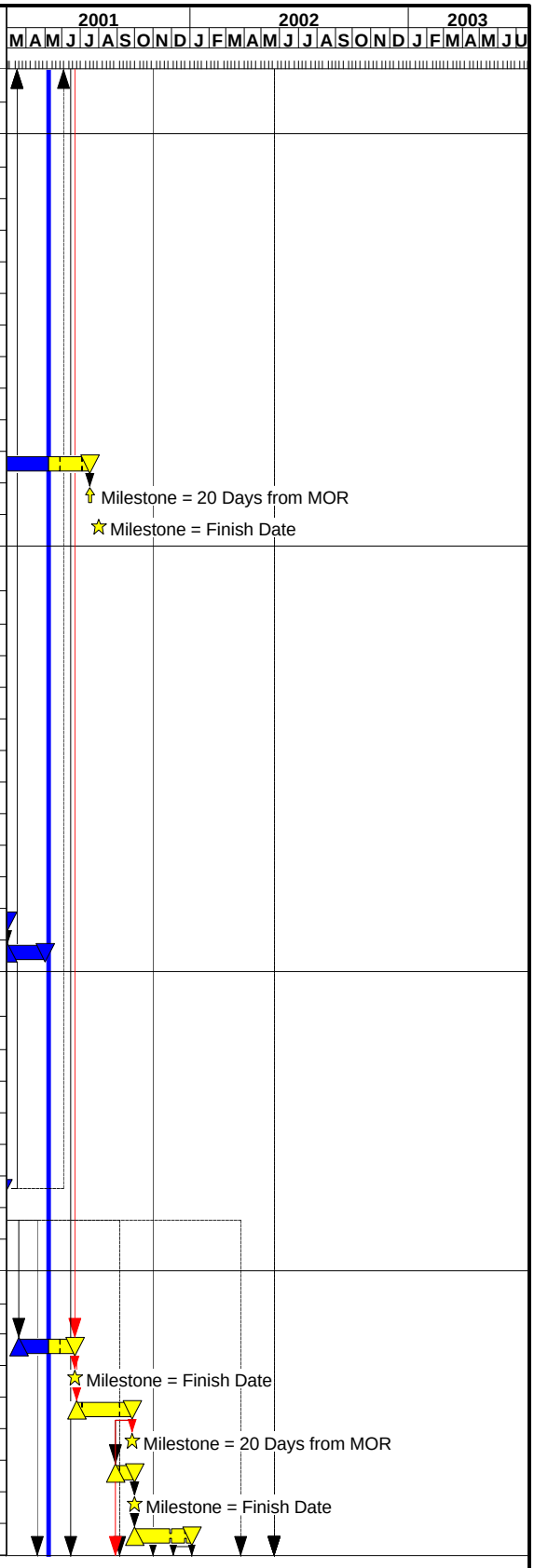

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Figure 7. Combined Schedule for Impact Area Groundwater Study Prgrm as of 5/8/01

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Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Soil Operable Unit					
21240	Final Post-Screening Workplan		0		02JAN02
21250	Start Post-Screening Investigation	YES	0	04DEC01	
21260	Post-Screening Investigation		80	04DEC01	27MAR02
21310	FS Preparation		40	28MAR02	22MAY02
21320	Draft FS	YES	0		22MAY02
21330	Revise Draft FS		65	23MAY02	21AUG02
21340	Final FS	YES	0		21AUG02
21350	(Draft FS if no PSI)		40	28AUG01	23OCT01
21360	(Final FS if no PSI)		65	24OCT01	28JAN02
Groundwater Operable Unit					
21510	FS Screening Report Preparation		0	06DEC00A	31JAN01A
21520	Draft FS Screening Report	YES	0		31JAN01A
21530	Revise Draft FS Screening Report		19	01FEB01A	04JUN01
21540	Final FS Screening Report	YES	0		04JUN01
21610	ITE Treatability Studies		58	21MAR01A	30JUL01
21650	FS Preparation		40	31JUL01	25SEP01
21660	Draft FS	YES	0		25SEP01
21670	Revise Draft FS		65	26SEP01	31DEC01
21680	Final FS	YES	0		31DEC01
Central Impact Area					
Soil Operable Unit					
22110	FS Screening Report Preparation		40	06SEP01	31OCT01
22120	Draft FS Screening Report	YES	0		31OCT01
22130	Revise Draft FS Screening Report		65	01NOV01	05FEB02
22140	Final FS Screening Report	YES	0		05FEB02
22150	Post-Screening Invest. Workplan Prep.		22	30JAN02	28FEB02
22160	Draft Post-Screening Invest. Workplan	YES	0		28FEB02
22170	Revise Draft PSI Workplan		65	01MAR02	30MAY02
22180	Final Post-Screening Workplan		0		30MAY02
22190	Start Post-Screening Investigation	YES	0	03MAY02	
22200	Post-Screening Investigation		80	03MAY02	22AUG02
22210	FS Preparation		40	23AUG02	17OCT02
22220	Draft FS	YES	0		17OCT02
22230	Revise Draft FS		65	18OCT02	16JAN03
22240	Final FS	YES	0		16JAN03
22250	(Draft FS if no PSI)		40	09JAN02	05MAR02
22260	(Final FS if no PSI)		65	06MAR02	04JUN02
Groundwater Operable Unit					
22300	FS Screening Report Preparation		27	19APR01A	14JUN01
22310	Draft FS Screening Report	YES	0		14JUN01
22320	Revise Draft FS Screening Report		65	15JUN01	17SEP01
22330	Final FS Screening Report	YES	0		17SEP01
22340	Post-Screening Invest. Workplan Prep.		22	20AUG01	19SEP01
22350	Draft Post-Screening Invest. Workplan	YES	0		19SEP01
22360	Revise Draft PSI Workplan		65	20SEP01	21DEC01
22370	Final Post-Screening Workplan		0		21DEC01
22380	Start Post-Screening Investigation	YES	0	22NOV01	

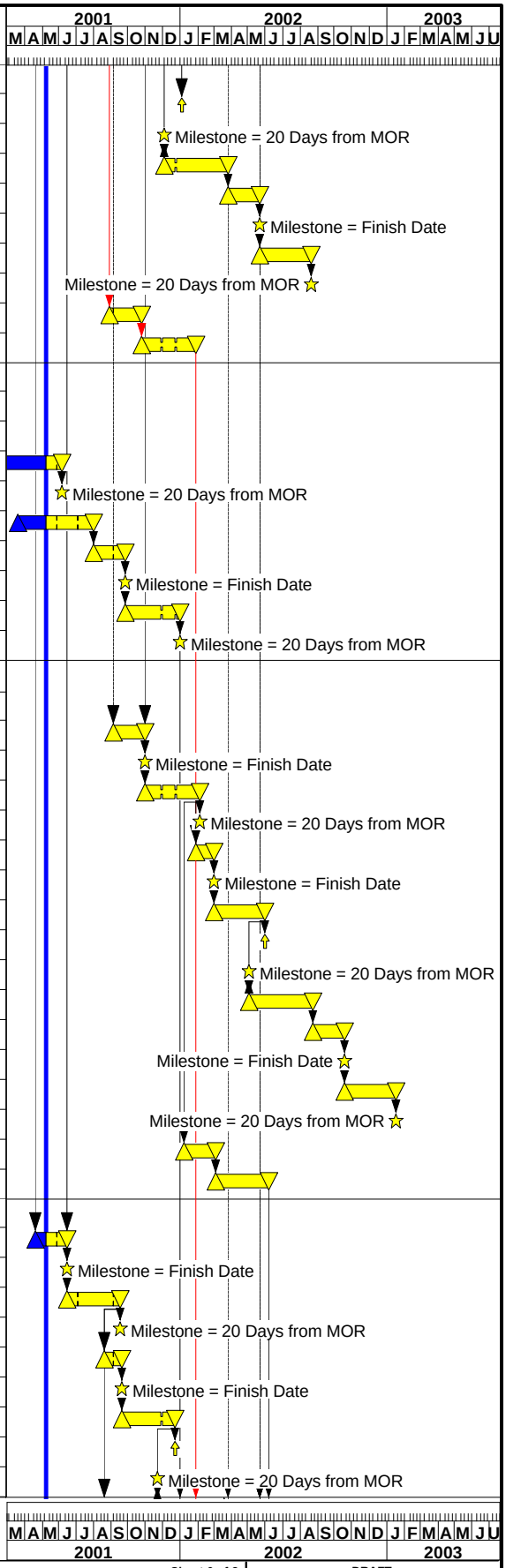

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Figure 7. Combined Schedule for Impact Area Groundwater Study Prgrm as of 5/8/01

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Date	Revision	Checked	Approved

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Groundwater Operable Unit					
22390	Post-Screening Investigation		80	22NOV01	19MAR02
22400	FS Preparation		40	20MAR02	14MAY02
22410	Draft FS	YES	0		14MAY02
22420	Revise Draft FS		65	15MAY02	13AUG02
22430	Final FS	YES	0		13AUG02
22440	(Draft FS if no PSI)		40	20AUG01	15OCT01
22450	(Final FS if no PSI)		65	16OCT01	18JAN02
SE Corner of Ranges					
23110	FS Screening Report Preparation		40	26MAR02	20MAY02
23120	Draft FS Screening Report	YES	0		20MAY02
23130	Revise Draft FS Screening Report		60	21MAY02	12AUG02
23140	Final FS Screening Report	YES	0		12AUG02
23150	Post-Screening Invest. Workplan Prep.		22	06AUG02	04SEP02
23160	Draft Post-Screening Invest. Workplan	YES	0		04SEP02
23170	Revise Draft PSI Workplan		60	05SEP02	27NOV02
23180	Final Post-Screening Workplan		0		27NOV02
23190	Start Post-Screening Investigation	YES	0	21NOV02	
23200	Post-Screening Investigation		80	21NOV02	12MAR03
23210	FS Preparation		40	13MAR03	07MAY03
23220	Draft FS	YES	0		07MAY03
23230	Revise Draft FS		60	08MAY03	30JUL03
23240	Final FS	YES	0		30JUL03
23250	(Draft FS if no PSI)		40	16JUL02	09SEP02
23260	(Final FS if no PSI)		65	10SEP02	09DEC02
Remedy Selection (AO3)					
Demo Area 1					
Soil Operable Unit (if no PSI)					
31110	Prepare Draft Remedy Selection Plan		40	30NOV01	28JAN02
31120	Revise Draft Remedy Selection Plan		65	29JAN02	29APR02
31130	Remedy Selection Plan		0		29APR02
31140	Public Comment Period		21	30APR02	28MAY02
31150	Draft Decision Doc/ Response		44	29MAY02	29JUL02
31160	Revise Draft DD/RS		65	30JUL02	28OCT02
31170	Final Decision Doc/ Response		0		28OCT02
Groundwater Operable Unit					
31510	Prepare Draft Remedy Selection Plan		40	31OCT01	31DEC01
31520	Revise Draft Remedy Selection Plan		65	01JAN02	01APR02
31530	Remedy Selection Plan		0		01APR02
31540	Public Comment Period		21	02APR02	30APR02
31550	Draft Decision Doc/ Response		44	01MAY02	01JUL02
31560	Revise Draft DD/RS		65	02JUL02	30SEP02
31570	Final Decision Doc/ Response		0		30SEP02
Central Impact Area					
Soil Operable Unit (if no PSI)					
32110	Prepare Draft Remedy Selection Plan		40	10APR02	04JUN02
32120	Revise Draft Remedy Selection Plan		65	05JUN02	03SEP02

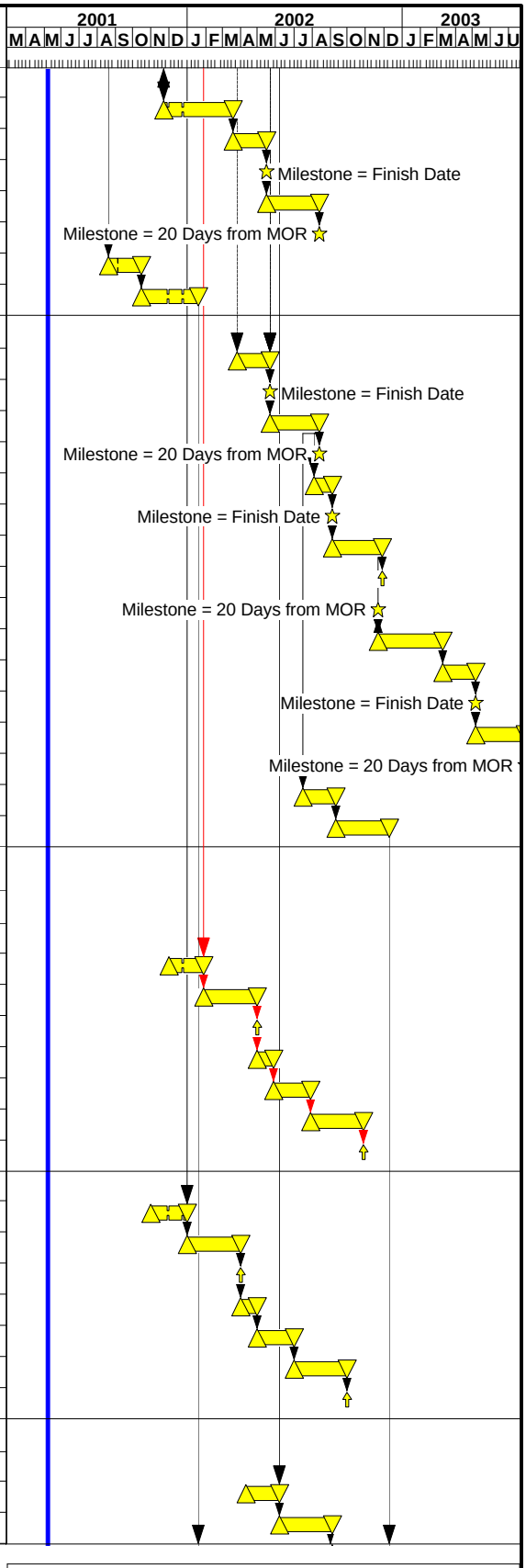

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Figure 7. Combined Schedule for Impact Area Groundwater Study Prgrm as of 5/8/01

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Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Soil Operable Unit (if no PSI)					
32130	Remedy Selection Plan		0		03SEP02
32140	Public Comment Period		21	04SEP02	02OCT02
32150	Draft Decision Doc/ Response		44	03OCT02	03DEC02
32160	Revise Draft DD/RS		65	04DEC02	04MAR03
32170	Final Decision Doc/ Response		0		04MAR03
Groundwater Operable Unit (if no PSI)					
32510	Prepare Draft Remedy Selection Plan		40	20NOV01	18JAN02
32520	Revise Draft Remedy Selection Plan		65	21JAN02	19APR02
32530	Remedy Selection Plan		0		19APR02
32540	Public Comment Period		21	22APR02	20MAY02
32550	Draft Decision Doc/ Response		44	21MAY02	19JUL02
32560	Revise Draft DD/RS		65	22JUL02	18OCT02
32570	Final Decision Doc/ Response		0		18OCT02
SE Corner of Ranges (if no PSI)					
33110	Prepare Draft Remedy Selection Plan		40	15OCT02	09DEC02
33120	Revise Draft Remedy Selection Plan		65	10DEC02	10MAR03
33130	Remedy Selection Plan		0		10MAR03
33140	Public Comment Period		21	11MAR03	08APR03
33150	Draft Decision Doc/ Response		44	09APR03	09JUN03
33160	Revise Draft DD/RS		65	10JUN03	08SEP03
33170	Final Decision Doc/ Response		0		08SEP03
UXO					
HUTA1 Operable Unit (if no PSI)					
34110	Prepare Draft Remedy Selection Plan		40	13AUG01	08OCT01
34120	Revise Draft Remedy Selection Plan		65	09OCT01	11JAN02
34130	Remedy Selection Plan		0		11JAN02
34140	Public Comment Period		21	14JAN02	11FEB02
34150	Draft Decision Doc/ Response		44	12FEB02	12APR02
34160	Revise Draft DD/RS		65	15APR02	12JUL02
34170	Final Decision Doc/ Response		0		12JUL02

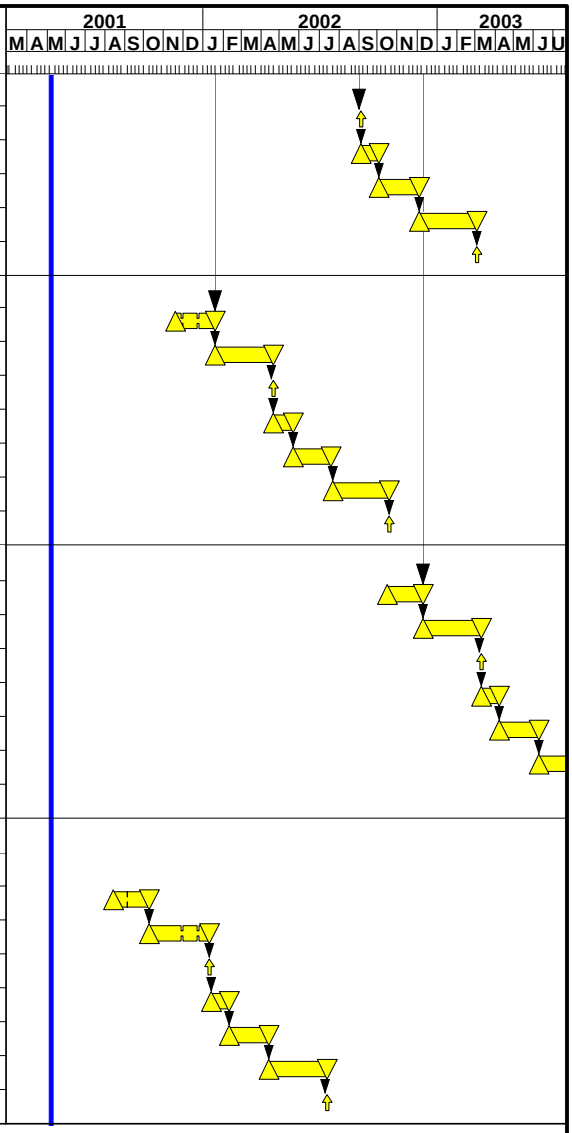

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Figure 7. Combined Schedule for Impact Area Groundwater Study Prgrm as of 5/8/01

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