MONTHLY PROGRESS REPORT #48
FOR MARCH 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 March 1 to March 31, 2001. Scheduled actions are for the six-week period ending May 11, 2001.

1. SUMMARY OF ACTIONS TAKEN

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

Table 1. Drilling progress for March 2001

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-155	J Range Well (J3P-3)	249	220	45-55 124-135
MW-156	Phase IIb well (ASP-1)	110	30	77-87
MW-157	J Range well (J3P-8)	220	205.7	110-120 154-164 209-219
MW-158	J Range well (J2P-10)	305.5	214	89-99 124-134 176-186
MW-159	Ground Scar 8 well (GS8P-1)	210	182	126-136 178-188
MW-160	Demo 2 well (D2P-1)	160	20	138-148
MW-161	Demo 2 well (D2P-2)	170	23	145-155
MW-162	Demo 1 well (D1P-3)	15	0	
MW-163	J-3 Range well at burn pit	50	10	38-48

bgs = below ground surface
bwt = below water table

Completed well installation on MW-155 (J3P-3), MW-156 (ASP-1), MW-157 (J3P-8), MW-158 (J2P-10), MW-159 (GS8P-1), MW-160 (D2P-1), MW-161 (D2P-2), and MW-163 (J-3 Range well). Commenced drilling MW-162 (D1P-3). Completed drilling of soil borings at the J-3 Range melt-pour building. Continued development of newly installed wells.

Excavation and removal of unidentified 5-gallon containers commenced and was completed at J-1 Range, J1P-6 pad on 3/29. Samples were collected for waste characteristics. Waste materials were placed in 55-gallon drums pending characterization and determination of final disposition.

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.

Groundwater sampling for the second round of newly installed Demo Area 1 wells was completed. Groundwater profile samples were collected for MW-157 (J3P-8), MW-158 (J2P-10), and MW-159 (GS8P-1). Water samples were collected from the effluent of the granular activated carbon system and from the RRA containment pad. Soil samples were collected from soil borings B-24 and B-25 on J-3 Range. Groundwater samples were collected at the water table through the drill rig augers at these locations. A solids sample was collected from the septic tank at the J-3 Range melt-pour building. Soil samples were collected from the MW-159 borehole, at former K Range, at the Gravity Anti-Tank Range, beneath stockpiled ordnance at the J-2 Range, beneath a 155mm shell along Turpentine Road, and from the gutters and beneath the drainage pipe of former ammunition igloos at the former Ammunition Supply Point. Soil samples were also collected at stage 2, supplemental BIP grids. 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 UXO, UXORM and debris in Test Pit 4 and Test Pit 6. Soil samples were collected beneath UXO and UXORM in Test Pit 4 and Test Pit 6, and in the Test Pit 4 area.

The Guard, EPA, and MADEP had a meeting on March 1 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. One page handout with attached map on CS-18 drilling locations was distributed.

- Preparation activities continue for implementing the CS-18 Supplemental SI field work on March 12, 2001. Finalized map showed approved hand-auger soil boring and well locations. Todd Borci (EPA) questioned the location of the wells. Mr. Borci remembered the locations in the hand-drawn, draft map as being closer to the surface soil sampling locations. Mr. Del Marco assured Mr. Borci that the map reflected the approved locations. Mr. Borci to double-check.
- Preparation activities continue for implementing the CS-19 Supplemental RI field work on April 16, 2001. Recalibration of the groundwater model was ongoing. Mr. Del Marco requested some top of casing elevation data for several Guard wells. John Rice (AMEC) to address request. Todd Borci (EPA) inquired as to the location of three proposed wells for the CS-19 RI; requested further that they be added to Guard maps to facilitate the selection of additional Guard well locations for the Central Impact Area study. Mr. Del Marco indicated that the locations were not finalized but that he could provide proposed locations. Mr. Del Marco to fax locations to Marc Grant (AMEC).

Water Supply Study Update

There was no water supply update presented.

Munitions Survey Update

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

- In the HUTA 1 Investigation, the final geophysics and QA/QC of Lift 1B Test Pit #4 has been completed. Excavation of Lift 1B will begin today 3/1. Hand excavation of anomalies at Lift 1A, Test Pit #6 has also been completed. The final EM61 survey will be completed before excavation Lift 1A. The clearing of roads to Test Pit #3 has been completed.

- For the J-Ranges, the survey of the J-1 Range using the KIMS system was almost completed. However, the system was down until Friday or Monday. Two handcarts with attached EM–61 units were filling in the gaps at the J-2 Range, likely to be completed today. The handcarts will be moved to J-1 Range next to fill in areas that are inaccessible to the KIMS system
- The DU study is ahead of schedule. Sampling of steel plates and the J-1 Berm where the steel plates were located has been completed. All readings to date have been below background. The survey of J-3 Range areas will be completed this morning, 3/1. The survey of the "Eat Me Tank" is also slated for today. The survey should be completed by tomorrow, 3/2. Results should be available in 28 days.
- Dave McCabe (Textron) inquired as to the impetus for conducting the DU survey. Jane Dolan (EPA) and Todd Borci (EPA) indicated that a contractor employee who worked at the J-3 Range (identified in ASR interviews) and the public had heard that DU rounds had been fired at J-3. In addition, the hardened, round impact holes in steel plates at the J-1 Range were indicative of holes that could have been created by DU rounds. The cost of the study was estimated to be approximately $90K. Christine Johnson-Battista (Army Corps) to email ASR interview summaries which had been distributed at the Tech meeting to Mr. McCabe, at his request. Ms. Johnson requested that comments on the draft be ready for discussion at the next week's monthly ASR Update after the Tech meeting. Mr. McCabe inquired as to whether EPA questioned the "cradle to grave" documentation that Textron provided regarding DU rounds that were loaded at the J-3 Range. Mr. Borci indicated that there were gaps in this documentation and inquired if Textron had information to provide additional to their 3007 and 104E Responses. Mr. McCabe to call Mr. Borci to identify what the perceived gaps are in the documentation.
- Doug Lam (Tetra Tech) presented a depiction of the AIRMAG data for Area 1 (U Range – between the northern IMPACT AREA boundary and Gibbs Road) on a laptop computer. Large anomalies were pointed out in the central part of the area that corresponded to tanks. On the east side of the area, some smaller anomalies were identified along a roadway that will likely be tagged for further investigation. Similar to J-1 and J-3 Ranges, this area was flown 30-50% higher than the J-2 Range survey. As such, the depth of penetration and amplitude of the data decrease correspondingly.
- Todd Borci (EPA) requested that Tetra Tech present the Area 2 AIRMAG data (Gravity Range, Deep Bottom Pond areas) at the next meeting because investigation activities at the Anti-Tank Gravity Range are planned for discussion.

Rapid Response Action Update

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

- Management of water on the containment pad continues.
- Retained stockpiles will be moved to receiving portion of the containment pad as weather conditions allow.
- USEPA accepted response to comments on Draft RRA Workplan Addendum at 02/22 Tech meeting. USEPA comments were received on Draft FSP 2/23.
- Len Pinaud (MADEP) indicated that MADEP comments on both documents were faxed to Joe Knott (NGB), Ben Gregson (IAGWSO) and Todd Borci (EPA) on Monday, 2/26. ACE/AMEC had not seen comments. Mr. Pinaud to email.
- Response to comments on FSP will be provided to the Guard/ACE today, 3/1 and probably to USEPA 3/5. Will be looking for approval of responses by next Thursday to meet resolution deadline. Jane Dolan (EPA) indicated that approval could likely be turned around even before then.
- Len Pinaud (MADEP) indicated that the RAM must be approved before soil could be moved.

Groundwater Study

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

- Installation of monitor well MW-152 (J1P-9) is completed. Drilling of MW-156 (ASP) and MW-155 (J3P-3) is completed. Commenced drilling of MW-157 (J3P-8). Mr. Rice to let Todd Borci (EPA) know how far MW-157 is from MW-4. Next week MW-156 and MW-155 will be installed and will continue drilling MW-157.
- Jane Dolan (EPA) inquired as to schedule for drilling SP-1 (Barber rig) and SP-2 (geoprobe rig). Mr. Rice to update next week.
- Groundwater sampling of the newly installed wells is ongoing.
- Completed UXO clearance of GS8P-1 and commenced clearing J2P-10 pad. UXO detonation of 155mm projectile will be conducted today 3/1, at GS-8. Next week will commence clearing of drill pads for J1P-5, J1P-6, and J1P-7. Todd Borci (EPA) indicated that these locations should be placed on the weekly update map. In addition, Mr. Borci requested that cross-section along Greenway Road be updated with new well locations and data.
- Supplemental BIP grids at the Gravity Range and stage 2 supplemental BIP grids are being sampled this week. Sampling of K Range grids is on the schedule for next week. Jane Dolan (EPA) requested that Herb Colby (AMEC) provide a summary of remaining soil sampling to be completed at the J-1 and J-3 Ranges. All soil sampling has been completed at J-2 and L Ranges.
- No vegetation was removed this week. Vegetation removal for construction of well pad J2P-10 is planned for next week; total vegetation removal of 10,000 square feet is projected.
- The following data tables were distributed: 1) New Detects - Unvalidated and 2) UXO Detonation Results – Unvalidated.
- Among the new detects were first round results for MW-141M2, MW-141S and MW-144S that showed PDA confirmed detections of explosives. These results were similar to the profile results. Mr. Rice to check if the other screen intervals at MW-144 were sampled and were non detects. There were no confirmed detections of explosives in the UXO detonation results.
- Todd Borci (EPA) indicated that next week, he is planning on field trips to Demo 2, GS-8 and Bunker 3. Mr. Borci also indicated that MW-115 was not on the IART maps.

Document Status Update

Marc Grant (AMEC) provided the update on document status, distributing a one page table.

- New dates have been added for the Demo 1 deliverables based on the extension approval. RRA FSP dates will be adjusted per Scott Veenestra's (AMEC) RRA discussion. G&M and J-2 document dates may change based on an anticipated request for extension. Todd Borci (EPA) didn't feel that an extension would be needed for the J-2 Range Report since the COC identification process was not a part of the report. Mr. Borci indicated that he expected a submittal on J-2 similar to the Targets Report submittal with results presented and perhaps a comparison of the results to background. Mr. Borci may or may not send a letter clarifying this point after reviewing his notes.
- Len Pinaud (MADEP) pointed out that the DEP comment received dates should be added to RRA Work Plan and FSP line. In addition, Mr. Pinaud indicated that DEP was currently working on comments to the J-2 Additional Delineation Work Plan and the Demo 1 GW Report (TM 01-2). Per Mr. Grant's request, Soil Background Document (TM 01-1) and the Targets Report (TM 01-3) will be addressed next.
- Diane Short (FEC) commented that although FEC provides comments to Joe Knott (NGB), their comments are never addressed and FEC never sees the agencies' comments. Todd

Borci (EPA) indicated that FEC would be added to the agency comment distribution list. ACE will confer with Mr. Knott regarding recent comments on Demo 1 GW and FS Screening Reports (TM 01-2 and 01-5) so that these comments will be distributed to ACE/AMEC and addressed.

Update on Bunker 3

Todd Borci (EPA) led discussion on polychlorinated naphthalene detections at Bunker 3.

- Polychlorinated naphthalenes were detected at two, 2.36-inch rocket detonations. These rockets were identified as inert after detonation. Mr. Borci indicated that the Guard needs to look at delineating PCNs in these situations.
- Marc Grant (AMEC) distributed letter addressing MDL study for PCNs. No approval has been received on the proposed method. Mr. Borci indicated that EPA agreed with the analytical method but that method detection limits are still being evaluated.
- Dave Hill (IAGWSPO) requested that Mr. Borci send a letter requesting PCN analysis. Jane Dolan (EPA) indicated that a request had been made regarding PCNs in comments on the J-2 Additional Delineation Work Plan. Mr. Borci may or may not send a letter clarifying requests.
- EPA also wanted clarification on whether query for PCN of TICs in database was only included up to July data or whether current data were included. Herb Colby (AMEC) to check.
- Mr. Borci also requested that CS-19 BIP results collected by AFCEE be checked for PCN TICs.

Discussion on MCPA

Marc Grant (AMEC) led discussion on MCPA background particularly pursuant to evaluating risk at the G&M Positions. One page handout and maps showing distribution of all MCPA detections in soil samples at 0-1, 1-2 and >2 feet were distributed.

- MCPA background was proposed at 20 ppm as opposed to the non-detect that was requested by the agency. MCPA was detected in 10% of site-wide soil samples and 10% of samples at the G&M positions. MCPA was detected in 95% of the off-site locations. The highest detections of MCPA were detected off-site at the Four Ponds Conservation Area. MCPA alone detected in concentrations less than 20 ppm contributes significantly to the risk for seven of the G&M positions that remediation may be required.
- Todd Borci (EPA) stated that 10% detections do not indicate that MCPA detections are widely distributed and a function of background. Mr. Borci felt that there were not enough off-base detections to support the Guards' proposal.
- Jay Clausen (AMEC) further stated that there were no detections of MCPA in the Impact Area groundwater. And that for the unsaturated zone modeling MCPA was shown to migrate only to 2 feet into the subsurface. MCPP was shown to migrate only to 14 feet.
- Dave Hill (IAGWSPO) inquired if a more robust data set, particularly off-site sampling, would provide the agencies with the confidence to approve a background concentration. Ben Gregson (IAGWSPO) had been trying to get data from Silent Spring regarding MCPA but had not been successful. It was suggested that DPH might have more luck in approaching them.
- Todd Borci (EPA) indicated that he would discuss the proposal further with the risk assessment team and provide additional feedback on how EPA would like MCPA addressed or what further information would by required to support of the Guard's proposal. This information would be relayed in a couple days or by the next Tech meeting. Mr. Borci may or may not provide a letter on this discussion.

UXO FS Approach and Schedule Changes

Christine Johnson-Battista (Army Corps) led the discussion on the UXO FS.

- Ms. Johnson indicated that a letter responding to EPA's response letter (2/16) on the Guard's original request (1/18) was forthcoming.
- Use of the term, High Density Target area, was clarified. This term was not meant to refer only to HUTA-1 but to any or all target areas similar to HUTA-1.
- In addition, the Remediation Alternatives Report due 3/28 can not be submitted because there is simply not enough data available.
- Meeting to be set for the week of 3/26 (preferably after the Tech meeting on 3/29) to discuss HUTA1 delays, solutions to the delays, and the HUTA2 scope.

Miscellaneous

Todd Borci (EPA) had the following additional comments:

- stated that not having the contractors to answer questions at the IART meeting was a disservice to the IART team.
- with Len Pinaud (MADEP) indicated that the Demo 1 contour and proposed well map was hard to read because of the light green contours of the perchlorate plume and the background of the aerial base map. Suggested this be remedied.
- inquired about the Sierra-East write-up, if that had been distributed to the IART team. AMEC indicated that it had been distributed in January.
- indicated that JPO's base-wide plume map presented at the Senior Management Board meeting did not depict the 2 explosive detections outside the main Central Impact Area plume consistently. One was shown as a plumelet, the other was shown as a circle. According to the AFCEE rules the team agreed that they probably should both be shown as circles indicating detections in only one well in these areas. Mr. Borci also relayed that the IART team thought that all water supply wells, existing and proposed, should be depicted on the map. It was also discussed by the team that the JPO does not show the maximum extent of AFCEE plumes, such as around Snake Pond, that has been shown in other maps presented publicly – it was concerned that this might indicate to the public that the maps were inaccurate. Comments on the JPO plumes map are due by 3/9, after which it will be released to the public.

Jane Dolan (EPA) had the following additional comments/requests

- indicated that the all wells map and inset did not have 90EW0002 or 90MW0059B depicted. Ms. Dolan also indicated that a better inset depiction would be one showing close-up of Demo 1 and Central Impact Areas and one of J Ranges and SE portion of base.
- inquired as to the status of the HUTA results. Christine Johnson-Battista (Army Corps) indicated that there was not enough data back on the HUTA to discuss the results. Surface results for HUTA could be presented next week. Leo Montroy (Tetra Tech) indicated that they were still looking for SDGs from November. Marc Grant (AMEC) to check.
- inquired as to when an interpretation of the Tritium results would be available. Jay Clausen (AMEC) indicated that he was reviewing the results and that the interpretation could possibly be presented at the next Tech meeting. Ms. Dolan felt that a decision needed to be made where to send all the held Tritium samples.
- inquired as to a time-line for additional delineation work at the Melt Pour area on the J-3 Range. Dave Hill (IAGWSPO) indicated that the Guard was willing to substitute the J1P-1 well location (which was determined not to be needed in 2/22 meeting) for a J-3 location near the melt-pour where explosives had been detected in a grab sample collected at the water table from a boring. No other work at the J-3 was funded this

year, except scope proposed in the approved J-1, J-3, L Ranges Work Plan. Additional work at the J-3 Range melt pour could be completed in concert with investigation of other areas of concern on the J-3 Range in the normal flow of the investigation. No immediate threat to the public had been identified that would require immediate action. Ms. Dolan indicated that she would consider the Guard's position and further clarified in email that EPA would likely request that the NGB pursue the investigation earlier, possibly spring 2001.

- requested intended profiling depth for J-3 melt pour well. 50 to 70 feet bwt had been previously discussed. Dave Hill (IAGWSPO) to consider. Also requested layout of soil grid at drain spout from building to be provided by Bill Gallagher (AMEC).
- requested copy of letter Joe Knott (NGB) sent to Piccantiny Arsenal regarding additional information.
- informed that she and Todd Borci (EPA) were to take a field visit to the U-Range and J-3 melt pour building after Tech meeting. Mr. Borci wanted to take pictures of melt pour building area.
- requested (as clarified by a subsequent email) that a representative of JPO attend the next Tech meeting to update the team on zone II approval, chemical monitoring well installation status, pipeline progress, etc.

BA-1 well location

- Location of well at BA-1 was discussed. Todd Borci (EPA) requested that it be located no further north than soil grid 78D which is located approximately 100ft north of Herbert Rd. AFCEE had requested that the well be located 150 feet north of Herbert Road so that the well is not located within the landfill. 3.5% methane was detected near the 78D location and AFCEE feels that drilling in this area is a safety issue. Decision was made to stick with location 100 ft north of Herbert Road. This location is downgradient of 2,4-DNT detections at BA-1 and along particle track that shows BA-1 area as source of explosive detections in landfill wells.

Tech Memo 99-5 Resolution Meeting

- Following the Tech meeting, a resolution meeting for Tech memo 99-5 Background Groundwater was conducted. Russ Johnson (AMEC) provided an overview regarding the approach to establishing background and justification for selection of wells included within the background discussion. Background groundwater could not be evaluated by the traditional method of placing and sampling wells off-site in upgradient locations because the groundwater high is situated in the J-Range area and off-site areas that form the periphery of the base are downgradient. In essence, there are no upgradient, off-site locations.
- To select wells at MMR to include in the background study, three basic assumptions were developed 1) not all portions of the aquifer underlying the base are affected by military training, 2) chloroform detections were not indicative of military training, and 3) BEHP was assumed to be an artifact.
- Wells with no detections of organics (except chloroform or BEHP) were candidates for inclusion in the background data set.
- Tested the assumption that chloroform and BEHP were not COCs by statistically comparing detections of these compounds in wells within the Impact Area and wells outside the Impact Area. No statistical difference was seen between these populations. As a result, wells without organic detections (except BEHP and chloroform) were all included in the background set.
- All other wells with any detected organic compound in any round were considered "affected" wells.

- Comparison of affected wells to background wells showed that the only analytes with statistical difference between these two populations were bicarbonate, alkalinity, barium. boron, magnesium, manganese, molybdenum, potassium, and vanadium.
- Todd Borci (EPA) indicated that one of the big concerns was that the detection levels for antimony and thallium were right around the MCLs and therefore it could not be determined if these were impacted areas or not. Mr. Borci felt that alternative methods with a lower detection limit needed to be used to provide more specific data on these analytes in particular.
- It was suggested that Don Walter (USGS) and Dennis LaBlanc (USGS) should review and provide feedback on the background groundwater.
- Jay Clausen (AMEC) further encouraged the agencies to review the Central Impact Area GW Report relative to metals as there is compelling data in this document supporting the position that metals are not groundwater contaminants within the base aquifer.
- Dave Hill (IAGWSPO) suggested that another meeting be set to allow EPA more time to evaluate the response to comments on Tech memo 99-5 and review the Central Impact Area GW study, for the USGS to provide input, and for the Guard to further evaluate the agencies concerns. Suggested attendance at meeting in addition to the agencies was Marc Grant (AMEC), Mr. Johnson, Mr. LaBlanc, Mr. Walter, Mr. Clausen, and an inorganic chemist. Mr. Walter to check with Mr. LaBlanc on schedule. Date for meeting to be determined in the next couple days.

The Guard, EPA, and MADEP had a meeting on March 8 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. One page handout with attached map on CS-18 drilling locations was distributed.

- Preparation activities continue for implementing the CS-18 Supplemental SI field work on March 12, 2001. Revised finalized map showed approved hand-auger soil boring and well locations. This map was revised from last week's map because the well locations had been placed incorrectly.
- Preparation activities continue for implementing the CS-19 Supplemental RI field work on April 16, 2001. Recalibration of the groundwater model was ongoing. Mr. Del Marco provided a list of the seven Guard wells for which top of casing elevation data is needed. John Rice (AMEC) to address request.

Water Supply Study Update

Hap Gonser (JPO) provided an update on the water supply study.

- Pipeline installation is proceeding down Greenway Rd. No impacts are anticipated to drilling progress. The FS-12 area at Station 116 (between L and J-1 Ranges) should be reached on approximately March 20th; work will be conducted in this area for approximately 3 days.
- Project is still on budget and on schedule.

Munitions Survey Update

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

- In the HUTA 1 Investigation, excavation of Lift 1B Test Pit #4 has been completed and the soils are being screened. Geophysics survey was completed on Lift 1C, Test Pit #4 and this

area is ready for hand excavation of anomalies. The final EM61 survey of Lift 1A was completed for QC and mechanical excavation will commence 3/12.

- For the J-Ranges, the survey of the J-1 Range using the KIMS system is expected to be completed tomorrow. Survey of J-3 Range will probably commence 3/19.
- Doug Lam (Tetra Tech) presented a depiction of the AIRMAG data for Areas 2 (Gravity Range, Deep Bottom Pond areas) and 4 (Demo 1 Range and southern training ranges) using the overhead projector. Large anomalies were pointed out throughout the areas that corresponded to known cultural features. Large and small anomalies that were present north of the Demo 1 northern hillside were considered suspect and will be investigated further. Several small spot anomalies in Area 2 need to be investigated further to determine if they are real or geologic features. Other small anomalies throughout the training ranges, not attributable to known cultural features, will also be investigated.

Summary of HUTA Analytical Results/AEC Study

Joe Dauchy (Tetra Tech) presented an update on analytical results for the HUTA. Handouts were distributed on the AEC Corrosion Study and the HUTA study. This included an example data package for the HUTA.

- For the Corrosion Study, the sampling plan had stipulated that 25 items from each of 3 test plots would be sampled. However, 25 UXO items were not found and non-UXO (practice) items had to be substituted. This was considered to be a valid substitution since the corrosion properties of, for example, a 155HE round would be similar to a 155 practice round. In both rounds, the shell or hull of the round is identical.
- Interesting preliminary data from soil samples collected from 3 points around and 1 point underneath the items show that soil from 0-1 ft has a low conductivity (relatively low permeability) and 87-92% of items are discovered in the first 10 inches of soil.
- For the HUTA Study, 690 items have been evaluated from 6 test plots. Sampling included wipe testing, surface soil collection, and collection of soil beneath 50 UXO items and wipe testing and soil brushing samples from 50 UXORM and 50 debris items.
- Explosives were only detected in wipe and/or soil samples associated with 23 UXO items (18 fuzes, 75mm, 81mm, 155mm, flare, supplemental charge).
- Sample results showed a good correlation between the field lab and STL lab results.
- Preliminary conclusions suggest that since 18 of 23 items with explosive detections are fuzes, that the bulk of items do not represent an existing or potential source of contamination. The potential that these items were a historical source is not precluded.
- Only one item with explosive detection, a supplemental charge, had the potential to be a point source of explosives.
- Overall, the low soil permeability and the lack of significant explosive detections indicates that the HUTA-1 area is not currently releasing a significant amount of explosives to groundwater.
- Todd Borci (EPA) cautioned drawing preliminary conclusions from the data before a more thorough analysis could be conducted.

Rapid Response Action Update

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

- Management of water on the containment pad continues.
- Retained stockpiles will be moved to receiving portion of the containment pad as weather conditions allow.
- Three outstanding EPA comments on the FSP were addressed in the Tech meeting. EPA accepted the Guard's response to comments on two items. Through discussion of the third comment regarding using the XRF method to analyze metals in soil, it was agreed that this

technique could be used to analyze post-excavation soil samples. Todd Borci (EPA) indicated that this issue would be revisted as the process continues.
- One outstanding DEP comment remained on the Work Plan. Mr. Veenstra indicated that this should be resolved within the next few days. Assuming resolution of this comment, the Final Work Plan/FSP should be issued next week.

Groundwater Study

John Rice (AMEC) presented an update of the groundwater study. A one page summary was distributed.
- Installation of monitor well MW-155 (J3P-3) and MW-156 (ASP-1) are completed. Drilling of MW-157 (J3P-8) continues. Commenced drilling of J2P-10 and GS-8.
- MW-157 is located 40 ft south of 90MW0004.
- Next week, wells will be installed at MW-157 (J3P-8) and GS-8.
- Drilling of Snake Pond monitoring wells, both to be completed with a geoprobe rig, will commence in early April.
- Groundwater sampling of the newly installed wells is ongoing.
- Commenced UXO clearance of pads for J1P-5, J1P-6, and J1P-7. This clearance will be continued next week along with clearance of the relocated BA-1 well.
- Soil sampling was conducted this week at the Former ASP (Area 131) and the stage 2 supplemental BIP grids. Old K Range grids will be sampled next week.
- Vegetation was removed for clearing of drill pad J2P-10 (10,000 sq ft). Next week vegetation removal for drill pads J1P-5, J1P-6, and J1P-7 with 1,080 ft of access road is planned; total vegetation removal of 46,200 square feet is projected.
- The following data tables were distributed: 1) New Detects - Unvalidated and 2) BIP data from supplemental Gravity Range grid - Unvalidated.
- Among the new detects were first round results for MW-147M1 and MW-147M2 that showed PDA confirmed detections of explosives similar to the profile results, except for the additional detection of HMX at MW-147M2. Second round results from MW-136S and MW-136M1 had confirmed explosive detections similar to the first round data except for the additional detection of HMX at MW-136M1. There were no confirmed detections of explosives in the supplemental BIP grid results.
- Two updated X-sections of wells along Greenway Road were distributed. MW-153 and MW-155 (J3P-3) were added to the cross-sections. Tech team requested that chemical data on the X-sections be presented differently so that profile data could be more readily distinguished from the well data.
- Todd Borci (EPA) indicated that field trip to Demo 2, GS-8 and Bunker 3 had been delayed until next week.

Document /Schedule Status Update

Marc Grant (AMEC) provided the update on document and schedule status, distributing a one page table and one page chart.
- Top priority for documents needing comments was the Central Impact Area Groundwater Report (TM 01-6).
- Len Pinaud (MADEP) indicated that DEP had sent out Demo 1 comments on 2/20; Mark Applebee (AMEC) confirmed that these comments had been received by AMEC. In addition, J-2 Additional Delineation Plan comments had been sent out Friday by DEP. Currently DEP is working on comments to Demo 1 GW Report.
- The following changes were made/projected in 3-month Lookahead Schedule:
  - J-2 Range Draft Report changed to 3/20 pending approval of extension request.
  - Gun/Mortar Draft Report will have extension request.

- Schedule for Training Areas Investigation will be impacted unless sampling locations are selected next week.
- Phase IIb Investigation schedule will likely change as a result of soil sampling delays caused by weather. 1 month extension will likely be requested.
- HUTA FS Screening Report schedule will hopefully be resolved today.

Tritium Update

Jay Clausen (AMEC) led discussion on Tritium. Validation reports were distributed.

- Tritium results generally indicated that 1963 groundwater peaks occurred between 50-120 ft below ground surface. The deepest results were seen at wells along Greenway Road. In general, the data for MW-126 and MW-128 looked reliable. This data was analyzed by the University of Miami.
- Results for MW-120 looked as if the first samples collected in this well were at the tail end of the peak. There was no clear pattern for the MW-131 results. This data was analyzed by STL-Richland.
- Remaining water samples will be sent to University of Miami to analyze including MW-5, MW-18, MW-31, MW-28, and MW-141. USGS lab (which has a longer – 3 month – turnaround time) will be used depending on UofM capacity.
- Mr. Walter noted that it was unusual that the peak was very shallow at MW-128. Another sample here would help to confirm the result. Results at MW-13 which is within 1600 feet of MW-128 had a much deeper peak.
- Don Walter (USGS) stated that the Tritium data was useful to check the groundwater model and to calculate vertical flow gradients.
- Mr. Clausen will provide data presentation consisting of X/Y plots of Tritium concentration versus depth for each well. Mr. Walter will provide depth of 1963 groundwater predicted by the groundwater model to add to the plots for comparison. Not enough data is yet available to contour the elevation of the 1963 peak across the site.
- Jane Dolan (EPA) requested a list of all 5-foot well screens. Marc Grant (AMEC) to provide.
- Background groundwater discussion was still being setup. Mr. Walter had not had an opportunity to discuss schedule with Dennis LaBlanc (USGS). Mr. Walter to contact Heather Sullivan (ACE) early next week regarding when the USGS would be available for this discussion

Anti-Tank Gravity Range (Old A Range) Investigation Scope

Christine Johnson-Battista (ACE) led discussion regarding scope of A Range Investigation.

- Currently, the scope of the A Range investigation is comprised of shallow soil sampling to be completed by AMEC and a munitions survey to be completed by Tetra Tech. The geophysical survey is being completed so that deeper penetrating high caliber rounds (90mm, 3.5-inch rockets, and 37mm) can be detected in the adjacent hillside. Once the geophysical survey and surface soil sampling is completed, subsurface soil sampling can be proposed and completed. Currently the soil characterization portion of the investigation is independent of the geophysical survey.
- Todd Borci (EPA) indicated that the separation of the work should not be allowed to impact the schedule to characterize this area. Mr. Borci is primarily concerned that the two separate investigation tasks be completed within a reasonable time-frame so that the results from both tasks can be tied together in the report.
- Todd Borci (EPA) requested that EPA review the AIRMAG data with the ACE and Tetra Tech to scope out what needed to be done to investigate the area. In preparation, he recommended that ACE/Tetra Tech review the historical information so that all areas are covered.
- Doug Lam/Larry Hudgins (Tetra Tech) indicated that the AIRMAG map with the A Range

area will be prepared for distribution next week. An electronic version could possibly be made available next Thursday/Friday. Allowing for a one week review, a site visit could be arranged in 2 weeks to discuss an investigation scope.

Miscellaneous

- Ben Gregson (IAGWSPO) distributed the proposed agenda for the March IART. Todd Borci (EPA) will review.

Archive Search Report Interview Summaries

An overview of the Archive Search Report was presented by Linda Daehn (Tetra Tech). In addition to Ms. Daehn, the following Tetra Tech personnel joined the conference call to support the ASR discussion: Dan Eddinger, Carla Buriks, Tom Rust, and Chris Churney. A one page handout was distributed.

- Tetra Tech provided a revised, draft ASR Communications Plan to NGB on 28 February 2001 for internal review/comment.

ACE Rock Island District ASR Revisions

- USACE is reviewing ammunition records maintained at the Camp Edwards Ammunition Supply Point (ASP) and compiling the data.
- USACE is conducting records reviews, firing fan plotting, report reformatting, and data tabulation. Approximately 25% of the firing fan plots have been completed. Tetra Tech has completed plots of the firing fans. Jane Dolan (EPA) requested a copy of the firing fan plots from Tetra Tech.
- The draft report is on schedule for completion on 31 July 2001.

Interviews

- The private investigator has completed 24 interviews of retired and active military personnel, contractor employees, and private citizens. A table summarizing information collected during interviews of Witness #17 through Witness #24 and the follow-up site visit with Witness #17 has been completed.
- Jane Dolan (EPA) indicated that some interview information was missing from the summary table. Specifically, the 6th and 7th paragraphs from the Witness #20 report, and the 3rd paragraph from the Witness #22 report were missing. Tetra Tech to add this information to the table.
- A draft report of interview findings through 30 January 2001 has been prepared and will be presented at the March IART meeting. Joe Knott (NGB) requested that Tetra Tech present this information at the meeting. If Tetra Tech was not available, CPT Bill Myer (IAGWSPO) could give the presentation.

Military History Research

- A draft report outlining military research findings through January 2001. This report will be provided to the regulators by 30 March 2001.

Contracts Research

- Letter has been sent to Picatinny Arsenal requesting expediency in handling of NGB's request for contracts-related information pertaining to MMR; this letter was sent to Picatinny Arsenal contacts.
- A request to review files (preferably by end of March) regarding references cited in Textron's 104(e) responses as "too voluminous to copy;" was sent to Textron.
- Information was received from Picatinny Arsenal in response to a Picatinny-wide request for information related to MMR.
- DTRA has informed Tetra Tech that their acquisitions management personnel will complete their records search by March 23, 2001.
- AMCOM at Redstone Army Arsenal responded that no records had been identified.

- Tetra Tech is communicating with Eglin AFB regarding its information search.
- A draft report outlining contracts research findings is scheduled to be completed by May 2001.

Geographic Information Systems (GIS) Integration

- Research continues on how to best obtain aerial photographs.
- Preparation of GIS maps from ASR data and other sources continues.
- A prototype GIS database will be available for review and comment at the March IART meeting scheduled for the end of March. Tech team felt that this demonstration would best be conducted prior to the meeting, since the agenda was already full and the room was only available to 10pm.

J-2 Range Additional Delineation Work Plan Resolution Meeting

Following the Tech meeting, a resolution meeting was held to discuss the J-2 Additional Delineation Work Plan. The discussion was led by Jane Dolan (EPA) and Herb Colby (AMEC).

- Ms. Dolan proposed addressing several comments during a site visit to the J-2 Range (particularly those dealing with the proposed scope of work) so that the actual sample locations could be reviewed relative to the site feature/area of concern. Location of additional delineation soil grids could be selected at that time. Comments that will be resolved after the field visit included: General comments 2, 7, 8 Specific comments 6, 16, 17, 19, 20, 21.
- The draft J-2 Report will be submitted next week. Therefore, Ms. Dolan agreed to reserve judgement on the following comments until after reviewing the report: General comments 1, 6 Specific comments 14, 15.
- Ms. Dolan indicated that she needed to review additional information in order to evaluate the following comments. These could also be addressed after the field visit: Specific comments 7, 8, 9, 10, 11, 12, 13.
- Mr. Colby agreed to add a figure showing the BIPs for which supplemental sampling has been proposed or completed to the Work Plan in response to General Comment 5. Mr. Colby noted that the BIPs have their own sampling and reporting schedule independent of the J-2 Range Investigation.
- ACE and AMEC agreed to provide a comparative analysis of the munitions found in the areas of concern with regard to the analytical results from those areas to address General Comment 4. This would either be presented in the report or some other format. Ms. Dolan requested that this information be provided, at a minimum, for Disposal Areas 1 and 2.
- The following comments were accepted by EPA without further comment: General comments 3, 8, 9. Specific comment 1, 2, 3, 4, 5, 18, 22, 23.
- No specific date was set for a J-2 Range site visit, although it was generally agreed that the visit should be after the draft J-2 Range Report had been reviewed and when more favorable weather conditions prevailed but still keeping in mind the schedule for completing the J-2 Range investigation - likely late March to early April.
- Marc Grant (AMEC) proposed issuing two MORs, one confirming the resolutions to comments agreed to at the meeting and a second after resolving the remaining comments during the site visit.

The Guard, EPA, and MADEP had a meeting on March 15 to discuss technical issues, including the following:

Screen Selection for MW-157

Profile data for screen selection of MW-157 (J3P-8) was discussed. Profile data for MW-157 and DP-8/9 and an explanation of the impact of hydrocarbon interference on the explosive results were distributed.

- Liz Wessling (AMEC) explained that toluene, ethylbenzene and other hydrocarbons detections were causing significant interference with the 8330 analysis, particularly the RDX peak on the primary column. The interference caused elevated and variable quantification of RDX on the primary column, as well as significant interference with the RDX PDA. While Ms. Wessling was confident that RDX was present at the zones indicated by the data, the concentrations indicated by the primary column data were overestimated. This was primarily because the RDX peak appeared as a shoulder on the larger interferent peak, making it difficult for the instrument to quantify the RDX. Ms. Wessling noted that in this case, the secondary column data provide a more realistic estimation of the actual RDX concentrations in the profile samples and should be used to support screen selection. Although the second column data are not typically used for quantitation due to the number of compounds that co-elut on the second column, in this case the second column data have less interference and are more reliable. However, even the second column data may have some interference and the resulting RDX concentrations may still be biased high. It was also noted that the HMX peak did not have a coeluting interference peak, however these concentrations may also be biased high. Ms. Wessling reaffirmed that the detection of RDX even at the deeper depths within the well borehole should be considered real.
- Herb Colby (AMEC) noted that these were the deepest detects of RDX encountered in the area deeper than the detections of RDX in profile results for DP-8/9 which were located adjacent to the MW-157 well location. However, DP-8/9 were not advanced as deep as the MW-157 borehole. Particle track projections back from MW-157 indicated a source at the J-3 Range for the deepest detections.
- Discussion ensued on screen placement. It was generally agreed that the thickness of the contaminated column of groundwater should be bracketed by well screens. Jane Dolan (EPA) proposed three screen depths: 195-205 ft bwt to monitor deepest detections of RDX; 96-106 ft bwt to monitor highest shallow detections of RDX; and 140-150 ft bwt to monitor highest concentrations of RDX between the shallow and deep screens. Ben Gregson (IAGWSPO) concurred with Ms. Dolan's selections. Adam Balogh (TRC) expressed concern that the deeper screen would be installed in an olive-grey silty material (as indicated on logs) that may not produce water and a well screen 10 to 20 ft shallower may be prudent. John Rice (AMEC) related that they should be able to collect a low-flow water sample from a screened well in that interval if they were able to collect a bailer sample in the borehole from the interval. Tech team concurred with final well screen intervals proposed by Ms. Dolan.

CS-18 and CS-19 Updates

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

- Preparation activities continue for implementing the CS-18 Supplemental SI field work on March 28, 2001.
- Preparation activities continue for implementing the CS-19 Supplemental RI field work in late March, 2001.
- Erik Liljegren (Jacobs) was introduced, to be included in Tech meeting correspondence and other correspondence related to CS-18 and CS-19. Email Erik.Liljegren@jacobs.com. Mr. Del Marco, Mr. Liljegren, or George Petersen (Jacobs) will provide weekly updates on CS-18/19 for Tech team.

- In response to Mike Jasinski's (EPA) inquiry, Mr. Del Marco indicated that the REC process for both CS-18 and CS-19 were proceeding on schedule and no delays in this process were anticipated.

Water Supply Study Update

LTC Albert Bleakley (JPO) indicated that the water supply study was proceeding.

- Todd Borci (EPA) inquired as to which well was scheduled to go on-line. JPO to check.
- Jane Dolan (EPA) inquired about the hold-up in the state's permit approval. Mr. Bleakley indicated that this was due to Falmouth not having submitted a "plan" for their current system, and was not related to issues with the new wells.

Munitions Survey Update

John Conseletti (Tetra Tech) presented the update concerning the HUTA. Doug Lam (Tetra Tech) presented the update on the J-Range geophysical investigations and AIRMAG survey. A one-page handout and list of HUTA Test Pit Items were distributed.

- Hand excavation of anomalies at Lift 1C, Test Pit 4 is ongoing. Excavation of Lift 1A, Test Pit 6 was completed. Geophysical survey was conducted on Lift 1B, Test Pit 6 with hand excavation of anomalies ongoing. All soil screening from Lift 1B Test Pit 4 and Lift 1A Test Pit 6 is complete.
- Three BIPs were conducted on 3/14 – 1 at Test Pit 4, 1 at the screening pad and 1 outside HUTA for USA Environmental.
- For the J-Ranges, the geophysical survey of the J-1 and J-2 Ranges is complete. Awaiting final data set. Survey of J-3 Range will probably commence 3/19.
- AIRMAG data for all areas is being processed with annotations of cultural targets. First draft of maps will be available before end of tech meeting for anyone who needs a copy. Final report due March 16, 2001.
- Jane Dolan (EPA) inquired if Joe Knott (NGB) had provided a response to her 3/9 email requesting additional HUTA data. Christine Johnson-Battista (ACE) responded that a response to her email had been sent this morning 3/15.
- Todd Borci (EPA) expressed concern about the slides Tetra Tech had prepared with conclusions from the HUTA study. In particular, Mr. Borci was concerned about the last summary conclusion slide, which he termed misleading. Mr. Borci expressed that he would like the Tech team to discuss/concur with this type of information prior to its being distributed, noting that Hap Gonser (JPO) had requested and presumably received the slides. Mr. Borci felt that this distribution was premature.

Rapid Response Action Update

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

- Management of water on the containment pad continues.
- Retained stockpiles will be moved to receiving portion of the containment pad as weather conditions allow.
- Final RRA Work Plan Addendum and Final FSP were submitted to USEPA/MADEP on 3/09.
- UXO avoidance work was underway at Mortar Target 9 and is expected to be completed 3/16. UXO avoidance will be conducted at Former H Range beginning week of 3/19.
- Delineation soil sampling is scheduled to commence 3/20 provided that written approval is received from EPA. Jane Dolan (EPA) indicated that EPA had approved the FSP based on the MOR at last week's Tech meeting. Marc Grant (AMEC) requested a written approval. Ms. Dolan said that EPA would provide an email today indicating that the RRA FSP had been officially approved at the 3/8 Tech meeting.

- Bulk soil samples for grain size analysis for soil washing process confirmation/optimization were scheduled to be collected 3/21.
- A schedule update on the RRA Addendum field work will be provided in next week's Tech meeting. The field sampling schedule will be compressed as much possible so that future deliverable deadlines can still be met.

Groundwater Study

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

- Installation of monitor well MW-157 (J3P-8) will be completed tomorrow. Commenced drilling of MW-158 (J2P-10) and MW-159 (GS8P-1) this week.
- Next week, drilling schedule is uncertain because RECs are still in the approval process. Wish list for approvals is BA-1, Demo 1, J1P-5, J1P-6, and J1P-7. Dave Hill (IAGWSPO) is hoping to get some approvals today.
- Groundwater sampling of the newly installed wells is ongoing. Second round of Demo 1 response wells (MW-114, MW-129, and MW-139) is also to be conducted this week.
- One FS-12 response well (PZ211) remains to be sampled due to access issues. 90MW0015 may also need to be sampled.
- Continued UXO clearance of pads for J1P-5, J1P-6, and J1P-7. Clearance of J1P-6 was discontinued due to the discovery of an unknown quantity of 5-gallon buckets at this location. The contents of the buckets are unknown and will be excavated by a Hazmat Team with UXO support.
- Ben Gregson (IAGWSPO) indicated that the Guard had a site visit with Clean Harbors (contractor) to scope out the bucket excavation and removal. The scope included uncovering the buckets, removing and sorting the buckets, and sampling of the bucket contents for waste characterization. The buckets will be placed in a roll-off and stored, awaiting characterization results and determination of final disposition. Clean Harbors intends to excavate the entire length of the trench (estimated to be 30-40 feet) using an excavator with a blast shield. Access to this equipment may impact the implementation schedule, but it is possible that since the proposal is expected in the next couple of days, the removal could commence as early as next week. Clean Harbors will collect the waste samples, AMEC will collect soil samples in the trench following removal of the buckets. Len Pinaud (MADEP) indicated that he would like to join the site visits today 3/15 to see this J-1 disposal area.
- Ben Gregson (IAGWSPO) indicated that another discovery had occurred yesterday when Mike Ciranca (Army Guard) was pursuing box turtles on the N Range to replace batteries in their tracking devices. Mr. Ciranca discovered a scrap pile just southeast of N Range firing line with 105mm cartridges, LAW rocket launchers, metal containers with wire, and an old boiler. Jane Dolan (EPA) speculated that this could be the "dump" described by Witness #12 from the ASR interviews. Ed Wise (ACE) inquired if this pile was an anomaly detected in the AIRMAG data. Mr. Gregson related that Mr. Ciranca did not want the pile disturbed because several animal burrows were observed in the pile and as such was providing habit for a number of species.
- UXO avoidance was scheduled for RRA sites, Target 9 and Old H Range, next week.
- Soil sampling was conducted this week at Old K Range. Old K Range and Gravity Range grids will be sampled next week.
- Todd Borci (EPA) requested that an inventory of munitions at the surface of Old K Range be conducted. Mr. Rice indicated that this would be completed this week.
- There was no vegetation removal this week and none was planned next week.

- The following data table was distributed: 155 practice round BIP data at Ground Scar 8 grid - Unvalidated. There were no confirmed detections of explosives in the BIP grid results.
- Updated X-sections of wells along Greenway Road were redistributed during the punchlist item review. The Tech team applauded the clarity of the presentation of the well screen vs. profile data.

Document /Schedule Status Update

Marc Grant (AMEC) provided the update on document and schedule status, distributing a one page table and one page chart.

- Documents Having Comments – Resolution meeting on TM 01-2, Demo 1 GW Report was completed yesterday, 3/14. Resolution meeting on TM 01-3, Targets Report was scheduled today, 3/15. Resolution meeting on TM 01-5, Demo 1 GW FS Screening Report was scheduled for next Thursday, 3/22. A date for resolution on the J-2 Additional Delineation Work Plan would be revisited based on J-2 Range Report comments and site visit to be scheduled as weather permits.
- Documents Needing Comments – Agency comments on TM 01-6 Central Impact Area GW Report are due next week.
- Documents to be Submitted - Submittal date for J-2 Range Draft Report changed per extension request approval to 3/19.
- Jane Dolan (EPA) inquired as to why there were no dates for DEP and EPA comments on the J1/J3/L Ranges Interim Results Report. Mr. Grant replied that the Guard wasn't expecting comments on these documents since they were considered to be primarily a data transfer to agencies similar to the RRA interim reports, also listed on the table without comment dates.
- 3-month Lookahead Schedule shows that Demo 1 soil COC ID Report will be submitted tomorrow, 3/16. The Guard will be looking for a quick turn around on comments for that report, comments by 3/26 resolution meeting, so that FS Screening Report can proceed.
- Changes on the 3-month Lookahead Schedule that reflect upcoming extension requests include:
    - Gun/Mortar Draft Report originally to be submitted May 17 will be requested to be extended to mid June primarily because of delays in establishing background.
    - Training Areas Investigation is scheduled to be completed May 18 but it may be difficult to meet this deadline unless final sampling locations are selected ASAP.
    - Phase IIb schedule changes reflect upcoming extension request due to frozen soil. AMEC has attempted to meet proposed schedule by contracting another lab for soil analysis.

Tritium Update

Jane Dolan (EPA) had the following comments/questions regarding the Tritium analysis.

- Ms. Dolan inquired if all profile intervals to base of borehole at J3P-8 had been collected for Tritium analysis, original scope was only for 50 to 170 ft. Jay Clausen (AMEC) to check.
- Ms. Dolan inquired if AMEC had any intention to collect Tritium samples deeper than 170 feet at J1P-6. Jay Clausen (AMEC) to consider. Don Walter (USGS) pointed out that there had been no peaks below 120 feet in any other locations and the shallowest peak was at 51 feet. Dave Hill (IAGWSPO) suggested that it might be useful to exchange a deeper sample for a shallower sample, that is collect Tritium samples from 40 to 160 feet. Mr. Clausen and Mr. Walter concurred with this proposal.

- Ms. Dolan requested notification of the date that Tritium samples are/were sent to the University of Miami. Marc Grant (AMEC) to provide.
- Ms. Dolan inquired as to the game plan to rectify discrepancies between the model predicted peaks and the actual peaks in Tritium exhibited by the data. Don Walter (USGS) explained that the actual peaks were considered real. The model peaks were just theoretical data based on erroneous (but necessary) assumptions that the aquifer was homogenous. Aquifer thickness, recharge rates, porosity, and hydraulic conductivity were inputs for the model on which to make predictions. The Tritium data showed that at these locations, lower portions of the aquifer have a lower permeability than upper portions, that there is a fining of sediments with depth. The data suggests that the hydraulic conductivity of the lower layer of the model may need to be decreased to better predict groundwater flow within the aquifer. Mr. Walter further indicated that there were no real patterns in the discrepancies between the actual Tritium data and theoretical predictions. Furthermore, because the increased silt content with depth is not readily visible and can only accurately be determined by grain size analysis, the lithlogic logs of the borehole, particularly those prepared based only on cutting descriptions, do not accurately reflect the fining of sediments with depth.

Perchlorate Update

Marc Grant (AMEC) distributed table of wells sampled for perchlorate and validated and unvalidated perchlorate data.

- Biweekly updates of perchlorate data will be provided.
- Todd Borci (EPA) inquired about MW-109 KD Range well data. Mr. Grant indicated that it was not yet available, since it had been on a 30-day turn around time and sampled in February. Mr. Borci requested that it be provided as soon as available.
- Jane Dolan (EPA) inquired as to the results for the FS-12 response wells perchlorate data. Mr. Grant related that although these had been sampled in late January and early February, a portion of the explosive sample for these wells sent to STL lab had been split off for the perchlorate analysis to be sent to Ceimic. Therefore, it was uncertain as to when Ceimic received the samples. In a follow-up email, Ms. Dolan requested that this information also be made available as soon as possible.

Polychlorinated Naphthalenes TICs

- Todd Borci (EPA) indicated that EPA was reviewing the PCN MDL studies for approval. Mr. Borci suggested that samples to be collected at J-3 Range, Bunker 3, and J-2 Range could be proposed for PCN sampling, providing emphasis that all J-Range areas should be captured in the investigation. In response to Heather Sullivan's (ACE) inquiry, Mr. Borci indicated that he expected a proposal from the Guard outlining where and when soil samples would be collected for PCNs. Mr. Borci would not accept exclusions of areas from sampling based on the argument that the SVOC TIC analysis showed only concentrations of lower chlorinated PCNs.
- Marc Grant (AMEC) indicated that a proposal could be forwarded to ACE by 3/16 and pending approval, to the agencies next week.

Miscellaneous

- Jane Dolan (EPA) inquired as to when wells would be sampled for dyes using the 8321 method. Marc Grant (AMEC) indicated that a response to Ms. Dolan's letter on this topic was being drafted. The dye sampling could be conducted in conjunction with the April/May long term monitoring event unless the agencies wanted the sampling to be conducted ahead of that schedule. The 3rd round sampling for J Range wells and Demo 1 wells may be

ahead of that LTM schedule. Ms. Dolan requested that the sampling dates be included in the response to her letter.
- Jane Dolan (EPA) requested a copy of the MDL studies completed by STL on RDX intermediates.
- Site visits at N Range, J-1 Range, Bunker 3, Demo Area 2, Gravity Anti-Tank Range, and Ground Scar 8 were scheduled by the agencies following the tech meeting.

The Guard, EPA, and MADEP had a meeting on March 23 to discuss technical issues, including the following:

CS-18 and CS-19 Updates

Steven Hunt (Jacobs) provided an update on CS-18 and CS-19. One page handout was distributed.
- Preparation activities continue for implementing the CS-18 Supplemental SI field work on March 28, 2001.
- Preparation activities continue for implementing the CS-19 Supplemental RI field work in early to mid April, 2001. The schedule needs to be coordinated with turkey hunting season.
- George Petersen (Jacobs) would like to coordinate the use of the soil washing station for soil excavated from test pits at CS-19 with the IAGWSPO. Ben Gregson (IAGWSPO) recommended that Marty Aker (AFCEE) contact him and they will set up a meeting with Scott Veenstra (AMEC) next Wednesday 3/28.

Water Supply Study Update

No update was provided.

Munitions Survey Update

Larry Hudgins (Tetra Tech) presented the update concerning the HUTA, the J-Range geophysical investigations, AIRMAG survey and Depleted Uranium task. A two-page handout was distributed.
- HUTA Test Pit #2 excavation is complete. A draft email request for permission to backfill Test Pit #2 will be transmitted to the agencies, pending approval by the Guard.
- HUTA Test Pit #3 surface geophysics is complete. The road around Test Pit #3 has been cleared of UXO and is ready for road construction. One BIP was completed in the road 3/21.
- HUTA Test Pit #4 excavations of Lifts 1A and 1B are complete. The excavation of Lift 1C is underway. Three UXOs were BIPed in Test Pit #4 on 3/21.
- HUTA Test Pit #6, Lift 1A has been excavated. Excavation of Lift 1B will commence following completion on Test Pit #4 Lift 1C excavation. Two UXO items were BIPed on 3/21.
- The geophysical survey of the J-1 and J-2 Ranges is complete. Awaiting final data set. Survey of J-3 Range commenced 3/21.
- AIRMAG data for all areas is being processed with annotations of cultural targets. Contractor has not provided anomaly target selection for review as of 3/22. Final report due March 26, 2001.
- A draft technical approach for data and signal analysis is being prepared for both the AIRMAG and J Range surface geophysics for discussion with IAGWSPO and ACE the week of 3/26. Dave Hill (IAGWSPO) indicated that this discussion will also include confirming AIRMAG anomaly targets. The technical approach will not be available for review until the target data are made available and reviewed.

- Todd Borci (EPA) would like draft AIRMAG data even without all cultural features so that the data can be used for field investigation planning. Mr. Borci requested that a schedule be provided by April 5 for verifying/QAing all AIRMAG data.
- Jane Dolan (EPA) requested two copies of the AIRMAG data on CD ROMs with the understanding that this information was not ready for public distribution. Larry Hudgins (Tetra Tech) to provide.
- For the Depleted Uranium task, data is being analyzed by the laboratory. An internal telecon regarding report preparation to discuss the draft table of contents is scheduled for the week of 3/26.

Rapid Response Action Update

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

- Management of water on the containment pad continues.
- Retained stockpiles will be moved to receiving portion of the containment pad as weather conditions allow.
- Although EPA confirmed acceptance of the FSP during the 3/15/01 technical meeting, the Guard is still waiting on written approval.
- UXO avoidance work was completed at Mortar Target 9 and Former H Range.
- Delineation soil sampling was completed at Mortar Target 9. Delineation soil sampling at Former H Range will be completed 3/26. Sixteen grids will be sampled at Former H Range instead of the 13 specified in the FSP due to spacing requirements.
- Bulk soil samples for grain size analysis for soil washing process confirmation/optimization were collected yesterday, 3/21.
- A schedule update on the RRA Addendum field work will be provided next week, pending the Guard's review and approval. Grain size analysis for the Soil Washing Process Confirmation/Optimization summary will be provided to the agencies on or about 4/27/01.

Groundwater Study

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

- Installation of monitor well MW-158 (J2P-10) was completed. Completed drilling of MW-159 (GS8P-1). Commenced drilling of MW-160 (D2P-2). Two soil borings were also completed next to the septic tank at the J-3 Range melt pour building.
- Next week, well installation at MW-159 and MW-160 will be completed. Drilling of D2P-1 and D1P-3 (at Pocasset-Forestdale Rd) will commence next week.
- Groundwater sampling of the newly installed wells is ongoing. 90MW0015 was sampled this week.
- One FS-12 response well (PZ211) remains to be sampled due to access issues. Land owner of 90PZ208 will be identified at the Registry of Deeds so that permission to sample can be obtained. ACE is coordinating obtaining permission from land owners.
- UXO avoidance was continued at Old H Range and Target 9 this week. Next week UXO avoidance will be completed at the Gravity Range.
- Soil sampling of Old K Range grids will be completed this week. Soil sampling of the Gravity Range soil grids continues this week and will be completed next week. Soil sampling of Inactive Demo area and Demo Area 2 grids will likely commence next week. This schedule may need to be altered to sample soil grids at the Small Arms Ranges since data from sampling these grids can be available to support selection of the well scoped for the SAR.
- Todd Borci (EPA) requested a sampling schedule for Phase II(b) soil grids. Jane Dolan (EPA) requested a soil sampling schedule for the J-3 Range from Herb Colby (AMEC) and

further requested that she be notified of any changes in schedule (particularly for the J Ranges) that occurred after the Tech meeting.

- There was no vegetation removal this week. Vegetation removal at D1P-3 and D1P-4 of 20,000 square feet is scheduled for next week. Todd Borci (EPA) inquired as to whether the Guard had attempted to decrease the size of the pads. Mr. Borci expressed concern regarding requesting a flat 10,000 square foot clearance for each well on the REC, that Hanni Dinkeloo (NHESP) would not recognize that efforts were being made to minimize vegetation removal. Dave Hill (IAGWSPO) indicated that he and Mike Ciranca (Army Guard) were talking with the Fire Department about their requirements to allow for smaller pads and to utilize existing open space such as roadways. Mr. Hill indicated that this may require using a fire watch. Heather Sullivan (ACE) to follow-up with Ms. Dinkeloo explaining the Guard's efforts to minimize vegetation removal.
- The following data table was distributed: New Detects - Unvalidated. The data showed explosive detections confirmed in Stage 2 supplemental BIP grids at J-2 Range and at Drill Pad P-19 (in between MW-44 and Turpentine Road).
- A figure showing monitor well location GS8P-1 relative to groundwater flow direction and soil grids was distributed for consideration. The well had two basic objectives, one to monitor water table downgradient of soil grid 91A where RDX had been detected in soil. A second objective was to monitor deeper water at the north end of the inner transect of wells in the Impact Area. There was concern that GS8P-1 was not located immediately downgradient of soil grid 91A.

Document /Schedule Status Update

Marc Grant (AMEC) provided the update on document and schedule status, distributing a one page table and one page chart.

- Documents Having Comments – Todd Borci (EPA) offered to send approval letter of TM 01-2, Demo 1 GW Report MOR today 3/22. EPA's approval of TM 01-3 , Targets Report MOR was received 3/21. Todd Borci (EPA) indicated that additional investigation of Targets could be wrapped into the investigation of the Central Impact Area, however, based on RCL, the Targets Report should be revised and finalized. The Guard was still waiting on MADEP comments on the Targets Report. Resolution meeting on TM 01-5, Demo 1 GW FS Screening Report was scheduled for today, 3/22. The Guard had received comments on TM 01-6 Central Impact Area GW Report 3/21 and was working on a response.
- Documents Needing Comments – Agencies comments on Demo 1 COC Identification are requested by 3/26 with a resolution meeting slated for 3/29. This is on a very tight schedule so that Demo 1 Soil and FS Screening Reports can proceed on schedule. J-2 Range Draft Report and UXO Interim Screening Report, sent out 3/16 and 3/20 respectively, are now also in the needing comments category.
- Documents to be Submitted - Early next week, the agencies can expect a Table listing wells proposed for changes to sampling in the LTM program with backup of last years data. The intent is to discuss this table one week later as a precursor to submission of the 2001 Interim LTM Plan.
- Changes on the 3-month Lookahead Schedule that reflect upcoming extension requests include:
    - J-2 Report schedule reflects resolution of comments that will be made during a site visit assumed for 3/29. EPA indicated that tis site visit will be after 3/29.
    - Gun/Mortar Draft Report changes reflect upcoming extension request.

- Training Areas Investigation is scheduled to be completed May 18 but this deadline cannot be met. Currently the Guard is awaiting input from the agencies to change the FSP.
- Phase IIb schedule changes reflect upcoming extension request.
- RRA Group 2 schedule will be revised on upcoming revised schedule to be distributed by Scott Veenstra (AMEC).
- FS schedule for UXO other operable units was removed from chart until discussion on schedules for FS Interim Screening Report is conducted.

Perchlorate Update

Marc Grant (AMEC) distributed table of Perchlorate data.

- Newest detections of Perchlorate were at off-base well 90MW0054. This well is located just west of the capture zone for FS-12. RDX at 0.5ppb had also recently been detected in samples from this well.
- MW-91 had a detection of Perchlorate right at the detection limit.
- Based on sampling dates it is likely that Perchlorate data for MW-109 will be available in the next couple of days. Todd Borci (EPA) requested that this data be emailed when it becomes available.
- Ben Gregson (IAGWSPO) indicated that a press release should probably be issued for this detection of perchlorate off-base. Tina Dolen (IAGWSPO) to follow up.

Miscellaneous

- It was suggested that a press release and neighborhood notice for the lake perimeter should be issued for drilling on the Snake Pond spit. Steve Hunt (Jacobs) indicated that AFCEE had a template for similar notice. AFCEE would also be completing wells in the area requiring notification, the schedule was uncertain. However, if the Guards' and AFCEE's schedule coincided the notices could be combined. Tina Dolen (IAGWSPO) to follow up.
- Marc Grant (AMEC) distributed the validated G&I Range soil results which he indicated were very similar to the unvalidated results. Ben Gregson (IAGWSPO) indicated that results should be emailed to IART team and presented as a handout at the IART meeting.
- Jane Dolan (EPA) inquired as to who would present and who would support the Guard at the IART meeting. Ben Gregson (IAGWSPO) indicated that currently he was scheduled to make the presentations. The EPA would be notified of the contractor attendance prior to the meeting. Jane Dolan (EPA) asked that the contractors be made available for the meeting. Todd Borci (EPA) requested to preview the ASR Interview Update slides prior to the meeting, since no one would be available for the "dry run" on Tuesday.
- Jane Dolan (EPA) inquired about the Guard's response to her Dye letter. Ben Gregson (IAGWSPO) is reviewing the AMEC draft response letter.
- In response to Jane Dolan's (EPA) inquiry, Joe Knott (NGB) indicated that notification that he would be replaced by Ben Gregson (IAGWSPO) as the Guard's Technical Point of Contact for the IAGWSP in May, would officially be announced April 1st. An unofficial announcement could be made at the March IART.
- In response to Jane Dolan's (EPA) inquiry, Ben Gregson (IAGWSPO) responded that Clean Harbors had provided the Guard with a proposal to complete excavation of the buckets on the J-1 Range. Mobilization for this effort was tentatively scheduled for 3/28, with excavation to begin 3/29 or 3/30. The removal is expected to be completed in one week. Ms. Dolan inquired as to the constituent list for waste characterization. Mr. Gregson indicated he would forward Clean Harbor's proposal to Ms. Dolan. Ms. Dolan further indicated that the bucket disposal area should be presented at the SMB and IART meetings. Mr. Gregson indicated that MADEP was calling the bucket removal an Immediate Response

Action to include it under the MCP. Mr. Gregson requested that EPA issue a similar letter next week prior to initiation of the removal indicating that the removal falls within the Administrative Order. Todd Borci (EPA) to respond, also indicated that he wanted to make an adjustment to how the process had been handled previously.

- Jane Dolan (EPA) requested that Herb Colby (AMEC) call her regarding receipt of new soil data from J-3 Range.

Resolution meeting for TM 01-5, Demo 1 GW FS Screening Report followed the Tech meeting.

EPA convened a meeting of the Impact Area Review Team on March 27, 2001. Topics discussed during the meeting included the Archive Search Report, New Groundwater Detections, the Small Arms Ranges Investigation, and the general IAGWSP Fact Sheet. The tentative date for the next meeting is April 24, 2001.

The Guard, EPA, and MADEP had a meeting on March 29 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. One page handout was distributed.

- UXO clearance and shallow subsurface soil borings will begin for the CS-18 Supplemental SI field work, the week of 4/2/01. Will begin drilling monitoring wells during the week of 4/9/01.
- Preparation activities continue for implementing the CS-19 Supplemental RI field work in early to mid April, 2001. Submitted REC to ANG for test pitting, anticipate response by end of week 4/6/01.
- Recalibration of groundwater model will be completed by 4/12; a presentation can be made to the Tech team on the model if desired.

Water Supply Study Update

No update was provided.

Munitions Survey Update

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

- HUTA Test Pit #2 excavation is complete. A draft email request for permission to backfill Test Pit #2 has been transmitted to the agencies. Todd Borci (EPA) inquired about the sample results. Mr. Consoletti indicated that there was a sample with TNT residue. Mr. Borci indicated that it was acceptable to backfill the pit, but that they would likely want a different approach for HUTA-2. Mr. Consoletti to email Mr. Borci regarding approval; Mr. Borci to confirm.
- HUTA Test Pit #3 surface geophysics is complete. The surface is being cleared of UXO/debris.
- HUTA Test Pit #4 excavations of Lifts 1A-1D are complete. The geophysics of Lift 2 is ongoing.
- HUTA Test Pit #6, Lift 1A has been excavated. Excavation of Lift 1B will commence late Thursday or Friday.
- The geophysical survey of the J-1 and J-2 Ranges is complete. Awaiting preliminary data set. Survey of J-3 Range is expected to be completed 3/30.

- A draft technical approach for data and signal analysis is being prepared for both the AIRMAG and J Range surface geophysics for discussion with IAGWSPO and ACE.
- AIRMAG data for all areas is being processed. Cultural targets are not yet shown on maps. The Final report was received from Black Hawk, March 26, 2001. Tetra Tech geophysicists are reviewing the data and will be discussing the cultural annotation with Guard and ACE personnel at 1400 today (3/29). Todd Borci (EPA) inquired as to how the process was going to be conducted. Mr. Hudgins indicated that Black Hawk has picked anomalies as targets. The cultural target list will be overlain with the Black Hawk targets. The procedure to ground truth the more than 6000 anomalies will be discussed at the 1400 meeting. John McPherson (ACE) indicated that a procedure would be presented at the next Tech team meeting.
- Mr. Hudgins indicated that Tetra Tech was looking into using a helicopter to assist with cultural target identification. In response to Len Pinaud's (MADEP) inquiry, Mr. Hudgins indicated that cultural targets included scrap metal, utilities, vehicle targets, etc.

Rapid Response Action Update

Scott Veenstra (AMEC) presented an update of the RRA.

- The Guard had received EPA's approval of the Work Plan. DEP was reviewing the RAM Plan modification.
- Delineation soil sampling was completed at Former H Range on 3/26. Visible evidence of bullets (small arms, lead rounds, possibly 30 cal.) was observed in 3 or 4 grids. The data is expected early next week. The data will be reviewed with respect to which areas will need to be removed and the proximity of these areas to the NE corner of the J-3 Wetland. Depending on the size of the removal task, Camp Good News will be contacted regarding access. Todd Borci (EPA) requested that access approach be discussed with him prior to approaching Camp Good News, because the intent was not to construct roads in this area.
- Delineation soil sampling was completed at Mortar Target 9 on 3/22. Data for Mortar Target 9 is expected tomorrow. Targets will likely need to be removed prior to excavation. Todd Borci (EPA) inquired as to what type of documentation of the removal process would be provided.
- A summary delineation report is due to the agencies 4/17/01.

Groundwater Study

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

- Installation of monitor well MW-160 (D2P-1) and MW-161 (D2P-2) was completed. Commenced drilling of MW-162 (D1P-3).
- Next week, well installation at MW-162 will be completed. A second drill rig will be demobed because of lack of approved locations; other locations do not have approved RECs or soil results are needed to define well locations. Todd Borci (EPA) suggested drilling wells at the Burn Pit on J-3 Range or the ASP well. Mr. Rice indicated that the ASP well had been installed. Mr. Borci inquired as to why there had not been a screen selection call for this well. Mr. Rice indicated that the well had been profiled to 30 feet, there had been no detections in the profile samples, and a water table well had been set, in accordance to the FSP. Mr. Rice to double check the FSP.
- Groundwater sampling of the newly installed wells is ongoing. 90PZ204 was resampled for perchlorate this week. Awaiting access to 90PZ211 and 90PZ208, same property owner.
- UXO avoidance was continued at the Gravity Range this week. The UXO crew was also supporting the Haz Mat excavation at J-1 Range. Next week UXO avoidance will be continued at PhaseIIb locations.

- Soil sampling of Old K Range grids continued. Soil sampling of the Gravity Range grids will be completed this week. Next week Old K Range grids will be completed. Soil sampling of Inactive Demo area and Demo Area 2 grids will commence next week.
- Phase IIb schedule for soil sampling (dependent on REC approval):
  - April 2 Demo2, Inactive Demo, K Range
  - April 9 SAR (former B, C, D), Grenade Court
  - April 16 Former E, GA/GB, Cleared Areas
- Todd Borci (EPA) inquired about K Range list of munitions. Mr. Rice indicated that the list would be completed shortly. Mr. Borci also inquired specifically about a 3.5 inch round on the west side of the berm, whether it was an HE round. Mr. Rice to check. In regard to the other Phase IIb sampling grids, Mr. Borci wanted to be sure that sampling in the vicinity of firing points at the ranges was included, specifically at GA/GB and former D. It would probably be difficult to locate firing points at former B Range because of changes in the range. Firing points at former C Range were already addressed.
- This week vegetation removal at D1P-3 drill pad was 10,000 square feet. No vegetation removal is scheduled for next week.
- The following data tables were distributed: 1) New Detects - Unvalidated. 2) Post Detonation Soil Sample and Stage II Supplemental Grid. The new detect data showed explosive detections confirmed in monitor wells MW-114M1, MW-144M2, MW-129M1, and MW-129M2. The detections were similar to those from the previous round, except that detection of RDX in MW-114M1 was an order of magnitude higher. There were no detections for the supplemental BIP grids. Todd Borci (EPA) requested an update on the supplemental BIP grid sampling schedule and an update on the maps that delineate areas to be excavated based on post-detonation soil sampling hits.
- Len Pinaud (MADEP) inquired about the scope and schedule of the Haz Mat operation at J-1 Range. Ben Gregson (IAGWSPO) indicated that it would likely be completed today. Clean Harbors mobilized yesterday and began at 9:00 am today. Two days were budgeted in the proposal, but the job is time and materials. Mr. Pinaud requested an update on the operation before the end of the day. Mr. Gregson indicated later that as of mid-day, several pails had been removed and were found to contain unidentified solid and liquid materials. An ignitability test on the solid material was negative.

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.
Scheduling issues table was reviewed for Tech meeting.

- Demo 1 Review/Approve Soil COCs. The approval of the COCs was likely to be delayed because of the increased review time needed. This will delay the draft soil report and draft FSSR, both which are under an enforceable deadline. Todd Borci (EPA) indicated that currently there were several issues to be addressed for the COC Id process, beyond what could be addressed at the Tech meeting.
- Draft Central Impact Area Soil Report. This document and the draft FSSR, both under enforceable deadlines, would likely be delayed awaiting HUTA report. Todd Borci (EPA) indicated that enough HUTA data was available (90%) that the report could go ahead with the data that was available. Jay Clausen (AMEC) expressed concern that although the data was available, background on the data (where collected, how collected) would not be available. Ben Gregson (IAGWSPO) indicated that Guard, AMEC and Tetra Tech will discuss further.
- J-2 Additional Delineation Planning. Delays in schedule had been caused by the decision to complete a site walk prior to comment resolution on the draft Work Plan. This was resulting

in an approximate 4 week delay for the draft soil report and draft FSSR. In response to Todd Borci's (EPA) inquiry, Mr. Grant indicated that the site walk had been scheduled at EPA's request and to allow EPA's additional consideration of comment responses after the Draft Interim Results Data Report (TM 01-8) was reviewed.

- Gun and Mortar Targets, Establish COCs. It was suggested that this submittal of the G/M COCs be delayed until the Demo 1 COCs had been approved, so that G/M COCs could incorporate EPA comments to the COC process.
- Gun and Mortar Targets, Final Report. This document was expected to be delayed 3 weeks and 3 days because of delays in soil background resolution, particularly for MCPA. An extension request was forthcoming. Todd Borci (EPA) could not accept that a delay was needed due to only one compound. Mr. Grant offered to provide additional explanation.
- Training Areas Investigation. This investigation was expected to delayed as the Guard waits for comments on the draft FSP.
- HUTA Investigation. Delays to the HUTA investigation to be discussed with the agencies 4/5.
- Phase IIb Investigations. Delay of 5 weeks has occurred because of frozen soil conditions. Extension request is forthcoming.

Miscellaneous

- Draft modeling strategy was distributed. The modeling strategy will be discussed next Tuesday. Todd Borci (EPA) indicated that EPA will not attend because EPA does not have the time or resources to have documents properly reviewed with such short notice. Heather Sullivan (ACE) and Len Pinaud (MADEP) encouraged EPA's attendance even if just to listen and not participate in the discussion. Mr. Pinaud indicated that MADEP would be represented.

March IART Meeting Debriefing

Len Pinaud (MADEP) requested that the Tech team have an IART meeting debrief in the Tech meeting following the IART meeting. The debrief would be used to review IART concerns, review action items, and set agenda for next IART meeting. Mr. Pinaud thought that this was needed so that he could resolve action items MADEP was responsible for.

- Proposed agenda for the April IART included: SE Corner of the J Ranges, Fact Sheet, and SAR Risk Assessment.
- For the SE Corner of the J Ranges, the IART Team wanted to know why plumes had not been drawn and conceptually where are we going with the investigation. Presentation at the meeting should focus on overview of data - and answer the questions where are we now, where are we going, when can we have a plume map.
- IAGWSP Fact Sheet presentation had not been afforded enough time at the March IART meeting for adequate review. Tina Dolen's (IAGWSPO) intent was to introduce an outline for the Fact Sheet, so that the IART team could select topics to be included on the Fact Sheet. Todd Borci (EPA) indicated that the new Fact Sheet should be updated in the format of the June 99 Fact Sheet with the inclusion of Administrative Order 4. Based on a discussion following the Tech meeting between Mr. Borci and Ms. Dolen, it was agreed that Ms. Dolen's presentation as designed for the March IART would be presented at the April IART.
- For SAR Risk Assessment, due to scheduling conflicts, no one had been present at the March IART to adequately address questions related to the risk assessment that had been prepared by the ACE. Ben Gregson (IAGWSPO) indicated that the April presentation should consist of what was done, what the assumptions were, and what the conclusions are. Ed Wise (ACE) indicated that a Certified Industrial Hygienist would be made available to

support the presentation. Len Pinaud (MADEP) requested that prior to the dry run, the risk assessment issues be discussed by the Tech team. Mr. Gregson pointed out that the SAR data was not collected to support a risk assessment and that caution should be used in soliciting the opinions of too many experts regarding the meaning of the data. Scott Veenstra (AMEC) suggested that the limits of the data be described in the presentation. Tentative date of 4/19 was suggested for a discussion on the SAR risk assessment.

- Two Action Items were reviewed.
- Action Item 1: Mr. Hugus requested a full copy of the Archive Search Report Interview on Depleted Uranium. ACE will obtain from Tetra Tech (initial and follow-up interview) with all names removed.
- Action Item 2: Dr. Feigenbaum asked if the Guard had a plan for sampling off-base residential wells for perchlorate. Ben Gregson (IAGWSPO) pointed out that this was not really an action item but could be addressed in the SE corner of the Ranges presentation. Tech team concurred.

Resolution meeting for TM 01-6, Central Impact Area Groundwater Report followed the Tech meeting.

2. SUMMARY OF DATA RECEIVED

Validated data were received during December for Sample Delivery Groups (SDGs) 373, 428, 435, 448, 451, 452, 454, 458, 461, 462, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 478, 479, 480, 487, 488, 489, 491, 494, 495, 499, 501, 502, 503, 504, 505, 506, 509, 510, 512, 515, 518, 534, 535, 537, 543, 544, and 562. These SDGs contain results for 26 soil grid and/or grab samples from UXO detonation craters; 113 groundwater samples from monitoring wells; 121 groundwater profile samples from wells MW-109, -125, -130, -131, -132, -133, -134 , -136, -138, -143, -144, and 90MW0101 and borings B-19 and B-20; 112 soil boring samples from wells MW-108, -123, -124, -126, -131, -133, -134, -135, -136, -138, and -141 and borings B-19, B-20, B-21, and B-22; and 479 soil grid and/or grab samples from the J-1, J-3 and L Ranges, Small Arms Ranges, and from the Targets.

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 300.0, 350.2M, 353M, 365.2, CYAN, IM40/MB, 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 method OC21B
- 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 13 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. Seven of the 55 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. 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 71) 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.

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 round in August 2000.

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

Sampling and analysis of groundwater for perchlorate has only recently been initiated as part of the groundwater study program at Camp Edwards. As a result, perchlorate data have only been validated for 28 wells. 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 three exceedances of the SEL of 18 ppb for perchlorate. Detections that exceeded the SEL occurred at MW-34M2 and MW-31S 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:

- Groundwater samples collected from MW-114M1, MW-129M1 and MW-129M2 had detections of RDX that were verified by PDA spectra. RDX was detected in similar concentrations in the previous sampling round for these wells.

- Groundwater samples collected from MW-114M2 had detections of RDX, HMX, and 4A-DNT that were verified by PDA spectra. These compounds were detected in similar concentrations in the previous sampling round for this well.

- Soil samples collected at grid HD at Former H Range (79HD) had detections of DDE at 0-6 inches and detections of DDT at 0-6 inches, 6-12 inches, 12-18 inches, and 18-24 inches.

- Soil samples collected at grid HE at Former H Range (79HE) had detections of DDE and DDT at 0-6 inches, 6-12 inches, 12-18 inches, and 18-24 inches.

- Soil samples collected at grid Y at K Range (130Y) had detections of RDX, nitroglycerin, and picric acid at 0-3 inches. These explosive detections were not verified by PDA spectra.

- The soil samples from stage 2, supplemental BIP grid HDP19105MM5SS at Pad 19 had detections of RDX, HMX, and TNT that were verified by PDA spectra.

- The soil samples from stage 2, supplemental BIP grid HDJ2M7LAWESS at the J-2 Range had detections of RDX that were verified by PDA spectra.

- A water sample collected from the RRA Containment pad had a detection of RDX that was verified by PDA spectra.

- A groundwater sample collected from Soil Boring B-24 at the J-3 Range melt-pour building had detections of acetone, chloroform, chloromethane, toluene, 3-nitrotoluene, 4-nitrotoluene, nitroglycerin, HMX, and RDX. The HMX and RDX detections were verified by PDA spectra.

- A groundwater sample collected from Soil Boring B-25 at the J-3 melt-pour building had detections of acetone, chloroform, carbon disulfide, 3-nitrotoluene, 4-nitrotoluene, nitroglycerin, 1,3,5-TNB, 2A-DNT, PETN, picric acid, and HMX. The HMX detection was verified by PDA spectra.

- The groundwater profile samples from MW-157 had detections of acetone (17 intervals), chloroform (12 intervals), chloroethane (2 intervals), chloromethane (3 intervals), MEK (6 intervals), ethylbenzene (1 interval), toluene (20 intervals), xylene (6 intervals), trans-1,3-dichloropropene (1 interval), 2A-DNT (1 interval), 2,6-DNT (2 intervals), nitroglycerin (8 intervals), picric acid (8 intervals), HMX (3 intervals), and RDX (13 intervals). The HMX and RDX detections were verified by PDA spectra.

- The groundwater profile samples from MW-158 had detections of acetone (14 intervals), chloromethane (16 intervals), carbon disulfide (1 interval), chloroform (11 intervals), MEK (7 intervals), 2,6-DNT (2 intervals), nitroglycerin (5 intervals), and picric acid (4 intervals). The explosive detections were not verified by PDA spectra.

- The groundwater profile samples from MW-159 had detections of 2,6-diamino-4-nitrotoluene (2 intervals), 2A-DNT (1 interval), nitroglycerin (1 interval), and picric acid (2 intervals). None of the explosive detections were verified by PDA spectra.

3. DELIVERABLES SUBMITTED

Deliverables submitted during the reporting period include the following:

Weekly Progress Update (February 19- February 23)	3/02/01
Final RRA Work Plan Addendum	3/09/01
Final RRA Mortar Target 9 and Former H Range FSP	3/09/01
Weekly Progress Update (February 26 - March 2)	3/09/01
Monthly Progress Report, February 2001	3/12/01
Draft COC Identification Demo Area 1 Soil Operable Unit	3/16/01
Draft J-2 Range Interim Data Report (Technical Memorandum 01-8)	3/16/01
Draft Interim UXO Technology Screening Report (Technical Memorandum 01-7)	3/20/01
Weekly Progress Update (March 5 - March 9)	3/27/01
Weekly Progress Update (March 12 - March 16)	3/27/01
J-1, J-3 and L Ranges Interim Results Report (Technical Memorandum 01-9)	3/30/01

4. SCHEDULED ACTIONS

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

- Finish Final Demo 1 Groundwater Report
- Finish Demo 1 Draft Soil Report
- Continue Draft Central Impact Area Groundwater Response Plan Report revision
- Start Draft J-2 Range Report revision
- Finish J-2 Range Additional Delineation investigation
- Continue J-1/J-3/L Range soil/groundwater and geophysics 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 Draft Gun/Mortar Report preparation
- Continue Training Areas Investigation
- Start Training Areas Report preparation
- Finish HUTA-1 Investigation
- Continue HUTA-1 Report preparation
- Finish Final Targets 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
- Finish RRA Group 1 Completion of Work Report
- Finish RRA Soil Removal
- Start RRA Soil Treatment
- Continue Demo 1 Soil FS Screening Report preparation
- Finish Final Demo 1 Groundwater FS Screening Report
- Start and Finish Draft Demo 1 Post-Screening Investigation Workplan preparation
- Start Central Impact Area Groundwater FS Screening Report preparation
- Start Draft UXO HUTA-1 FS Screening Report preparation

5. SUMMARY OF ACTIVITIES FOR DEMO 1

Soil sampling and munitions survey activities have been completed for Demo 1. Groundwater sampling of existing wells continues under the LTM plan, and new response wells were sampled for the second round. Drilling commenced at additional downgradient well location D1P-3. The soil data have been evaluated to identify Chemicals of Concern (COC) in accordance with the process approved by EPA. The Draft Soil Report is being prepared.

TABLE 2
SAMPLING PROGRESS
3/1/2001-3/31/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HDA030801AA	A030801	03/16/2001	CRATER GRAB	0.00	0.25		
HDA032101AA	A032101	03/26/2001	CRATER GRAB	0.00	0.25		
HDA022601AA	A022601	03/02/2001	CRATER GRID	0.00	0.25		
HDTR81MMSS09	TR81MMSS09	03/16/2001	CRATER GRID	0.00	0.25		
HDTR81MMSS10	TR81MMSS10	03/16/2001	CRATER GRID	0.00	0.25		
HDTR81MMSS10D	TR81MMSS10	03/16/2001	CRATER GRID	0.00	0.25		
90MW0015E	FIELDQC	03/22/2001	FIELDQC	0.00	0.00		
90MW0015T	FIELDQC	03/22/2001	FIELDQC	0.00	0.00		
90PZ204AE	FIELDQC	03/02/2001	FIELDQC	0.00	0.00		
AB0024AAE	FIELDQC	03/19/2001	FIELDQC	0.00	0.00		
AB0024BAE	FIELDQC	03/20/2001	FIELDQC	0.00	0.00		
AB0024BAT	FIELDQC	03/20/2001	FIELDQC	0.00	0.00		
AB0025CAE	FIELDQC	03/19/2001	FIELDQC	0.00	0.00		
AB0025CAT	FIELDQC	03/19/2001	FIELDQC	0.00	0.00		
CS131A1AAE	FIELDQC	03/06/2001	FIELDQC	0.00	0.00		
G157DAE	FIELDQC	03/01/2001	FIELDQC	0.00	0.00		
G157DAT	FIELDQC	03/01/2001	FIELDQC	0.00	0.00		
G157DGE	FIELDQC	03/02/2001	FIELDQC	0.00	0.00		
G157DGE	FIELDQC	03/09/2001	FIELDQC	0.00	0.00		
G157DGT	FIELDQC	03/02/2001	FIELDQC	0.00	0.00		
G157DKE	FIELDQC	03/07/2001	FIELDQC	0.00	0.00		
G157DKT	FIELDQC	03/07/2001	FIELDQC	0.00	0.00		
G157DME	FIELDQC	03/08/2001	FIELDQC	0.00	0.00		
G157DMT	FIELDQC	03/08/2001	FIELDQC	0.00	0.00		
G157DNE	FIELDQC	03/09/2001	FIELDQC	0.00	0.00		
G157DNT	FIELDQC	03/09/2001	FIELDQC	0.00	0.00		
G157DUE	FIELDQC	03/12/2001	FIELDQC	0.00	0.00		
G157DUT	FIELDQC	03/12/2001	FIELDQC	0.00	0.00		
G158DUE	FIELDQC	03/14/2001	FIELDQC	0.00	0.00		
G159DAE	FIELDQC	03/15/2001	FIELDQC	0.00	0.00		
G159DCE	FIELDQC	03/19/2001	FIELDQC	0.00	0.00		
G159DFE	FIELDQC	03/20/2001	FIELDQC	0.00	0.00		
HC130F1CAE	FIELDQC	03/13/2001	FIELDQC	0.00	0.00		
HC130G1CAE	FIELDQC	03/13/2001	FIELDQC	0.00	0.00		
HC130J1BAE	FIELDQC	03/14/2001	FIELDQC	0.00	0.00		
HC130J1BAT	FIELDQC	03/14/2001	FIELDQC	0.00	0.00		
HC130O1AAE	FIELDQC	03/08/2001	FIELDQC	0.00	0.00		
HC130T1AAE	FIELDQC	03/23/2001	FIELDQC	0.00	0.00		
HC79HA1AAE	FIELDQC	03/21/2001	FIELDQC	0.00	0.00		
HC79HC1AAE	FIELDQC	03/20/2001	FIELDQC	0.00	0.00		
HC79ID1AAE	FIELDQC	03/22/2001	FIELDQC	0.00	0.00		
HC79IG1AAE	FIELDQC	03/23/2001	FIELDQC	0.00	0.00		
HD101N1AAE	FIELDQC	03/12/2001	FIELDQC	0.00	0.00		
HD130A1AAE	FIELDQC	03/09/2001	FIELDQC	0.00	0.00		
HD130AB1AAE	FIELDQC	03/16/2001	FIELDQC	0.00	0.00		
HD130G1AAT	FIELDQC	03/13/2001	FIELDQC	0.00	0.00		
HD130Q1AAE	FIELDQC	03/21/2001	FIELDQC	0.00	0.00		
HD130Y1AAE	FIELDQC	03/15/2001	FIELDQC	0.00	0.00		
HD132B1CAE	FIELDQC	03/19/2001	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
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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD132E1AAE	FIELDQC	03/30/2001	FIELDQC	0.00	0.00		
HD132E1AAT	FIELDQC	03/30/2001	FIELDQC	0.00	0.00		
HD132L1AAE	FIELDQC	03/27/2001	FIELDQC	0.00	0.00		
HD132T1AAE	FIELDQC	03/20/2001	FIELDQC	0.00	0.00		
HD132U1AAE	FIELDQC	03/28/2001	FIELDQC	0.00	0.00		
HD132U1AAT	FIELDQC	03/28/2001	FIELDQC	0.00	0.00		
HDA022601AE	FIELDQC	03/02/2001	FIELDQC	0.00	0.00		
HDA030801AE	FIELDQC	03/16/2001	FIELDQC	0.00	0.00		
HDA030801AT	FIELDQC	03/16/2001	FIELDQC	0.00	0.00		
HDA032101AE	FIELDQC	03/26/2001	FIELDQC	0.00	0.00		
HDA032101AT	FIELDQC	03/26/2001	FIELDQC	0.00	0.00		
HDJ2M7LAWESS09	FIELDQC	03/01/2001	FIELDQC	0.00	0.00		
S159DFE	FIELDQC	03/15/2001	FIELDQC	0.00	0.00		
S159DFT	FIELDQC	03/15/2001	FIELDQC	0.00	0.00		
SG102Q1AAE	FIELDQC	03/21/2001	FIELDQC	0.00	0.00		
SG102Q1AAT	FIELDQC	03/21/2001	FIELDQC	0.00	0.00		
SYRINGE-ER	FIELDQC	03/14/2001	FIELDQC	0.00	0.00		
W153M3T	FIELDQC	03/23/2001	FIELDQC	0.00	0.00		
WL114M1	FIELDQC	03/14/2001	FIELDQC	0.00	0.00		
90MW0015A	90MW0015	03/22/2001	GROUNDWATER	91.00	101.00	79.00	89.00
90PZ204AA	90PZ0204	03/02/2001	GROUNDWATER	80.00	85.00	72.10	77.10
W114M1A	MW-114	03/14/2001	GROUNDWATER	180.00	190.00	96.50	106.50
W114M2A	MW-114	03/14/2001	GROUNDWATER	120.00	130.00	36.50	46.50
W114M2A	MW-114	03/30/2001	GROUNDWATER	120.00	130.00	36.70	46.70
W129M1A	MW-129	03/14/2001	GROUNDWATER	136.00	146.00	62.94	72.94
W129M2A	MW-129	03/14/2001	GROUNDWATER	116.00	126.00	42.90	52.90
W129M3A	MW-129	03/14/2001	GROUNDWATER	96.00	106.00	23.00	33.00
W139M1A	MW-139	03/15/2001	GROUNDWATER	194.00	204.00	107.49	117.49
W139M2A	MW-139	03/15/2001	GROUNDWATER	154.00	164.00	67.62	77.62
W139M3A	MW-139	03/15/2001	GROUNDWATER	119.00	129.00	32.56	42.56
W149M1A	MW-149	03/13/2001	GROUNDWATER	237.00	247.00	129.59	139.59
W149SSA	MW-149	03/13/2001	GROUNDWATER	105.00	115.00	0.00	10.00
W150SSA	MW-150	03/07/2001	GROUNDWATER	92.50	102.50	0.00	10.00
W151SSA	MW-151	03/13/2001	GROUNDWATER	55.00	65.00	0.00	10.00
W153M1A	MW-153	03/23/2001	GROUNDWATER	200.00	210.00	105.53	115.53
W153M3A	MW-153	03/23/2001	GROUNDWATER	124.00	134.00	29.63	39.63
W19SSA	MW-19	03/29/2001	GROUNDWATER	38.00	48.00	0.00	10.00
DW032901	GAC WATER	03/29/2001	IDW				
PWPP13MRR1A	RRA CONTAINMEN-	03/13/2001	IDW				
PWPPC05MR1A	RRA CONTAINMEN-	03/05/2001	IDW				
PWPPC05MR1A	RRA CONTAINMEN-	03/07/2001	IDW				
PWPPC06MR1A	RRA CONTAINMEN-	03/06/2001	IDW				
PWPPC11MR1A	RRA CONTAINMEN-	03/11/2001	IDW				
PWPPC22MR1A	RRA CONTAINMEN-	03/22/2001	IDW				
PWPPC24MR1A	RRA CONTAINMEN-	03/24/2001	IDW				
PWPPC27MR1A	RRA CONTAINMEN-	03/27/2001	IDW				
PWPPC30MR1A	RRA CONTAINMEN-	03/30/2001	IDW				
PWPPC30MR1D	RRA CONTAINMEN-	03/30/2001	IDW				
G157DAA	MW-157	03/01/2001	PROFILE	20.00	20.00	6.70	6.70

Profiling methods include: Volatiles and Explosives
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3/1/2001-3/31/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G157DBA	MW-157	03/01/2001	PROFILE	30.00	30.00	16.70	16.70
G157DCA	MW-157	03/01/2001	PROFILE	40.00	40.00	26.70	26.70
G157DCD	MW-157	03/01/2001	PROFILE	40.00	40.00	26.70	26.70
G157DDA	MW-157	03/01/2001	PROFILE	50.00	50.00	36.70	36.70
G157DEA	MW-157	03/01/2001	PROFILE	60.00	60.00	46.70	46.70
G157DFA	MW-157	03/01/2001	PROFILE	70.00	70.00	56.70	56.70
G157DGA	MW-157	03/02/2001	PROFILE	80.00	80.00	66.70	66.70
G157DHA	MW-157	03/02/2001	PROFILE	90.00	90.00	76.70	76.70
G157DIA	MW-157	03/02/2001	PROFILE	100.00	100.00	86.70	86.70
G157DJA	MW-157	03/02/2001	PROFILE	110.00	110.00	96.70	96.70
G157DKA	MW-157	03/02/2001	PROFILE	120.00	120.00	106.70	106.70
G157DKA	MW-157	03/07/2001	PROFILE	120.00	120.00	105.70	105.70
G157DLA	MW-157	03/07/2001	PROFILE	130.00	130.00	115.70	115.70
G157DLA	MW-157	03/07/2001	PROFILE	130.00	130.00	116.70	116.70
G157DMA	MW-157	03/07/2001	PROFILE	140.00	140.00	125.70	125.70
G157DMA	MW-157	03/08/2001	PROFILE	140.00	140.00	126.70	126.70
G157DMD	MW-157	03/07/2001	PROFILE	140.00	140.00	125.70	125.70
G157DMD	MW-157	03/08/2001	PROFILE	140.00	140.00	126.70	126.70
G157DNA	MW-157	03/09/2001	PROFILE	150.00	150.00	135.70	135.70
G157DNA	MW-157	03/09/2001	PROFILE	150.00	150.00	136.70	136.70
G157DOA	MW-157	03/09/2001	PROFILE	160.00	160.00	145.70	145.70
G157DOA	MW-157	03/09/2001	PROFILE	160.00	160.00	146.70	146.70
G157DPA	MW-157	03/09/2001	PROFILE	170.00	170.00	155.70	155.70
G157DPA	MW-157	03/09/2001	PROFILE	170.00	170.00	156.70	156.70
G157DQA	MW-157	03/09/2001	PROFILE	180.00	180.00	165.70	165.70
G157DQA	MW-157	03/09/2001	PROFILE	180.00	180.00	166.70	166.70
G157DQD	MW-157	03/09/2001	PROFILE	180.00	180.00	165.70	165.70
G157DQD	MW-157	03/09/2001	PROFILE	180.00	180.00	166.70	166.70
G157DRA	MW-157	03/09/2001	PROFILE	190.00	190.00	175.70	175.70
G157DRA	MW-157	03/09/2001	PROFILE	190.00	190.00	176.70	176.70
G157DSA	MW-157	03/09/2001	PROFILE	200.00	200.00	185.70	185.70
G157DTA	MW-157	03/09/2001	PROFILE	210.00	210.00	195.70	195.70
G157DUA	MW-157	03/12/2001	PROFILE	220.00	220.00	205.70	205.70
G158DAA	MW-158	03/12/2001	PROFILE	110.00	110.00	18.60	18.60
G158DBA	MW-158	03/12/2001	PROFILE	120.00	120.00	28.60	28.60
G158DCA	MW-158	03/12/2001	PROFILE	130.00	130.00	38.60	38.60
G158DCD	MW-158	03/12/2001	PROFILE	130.00	130.00	38.60	38.60
G158DDA	MW-158	03/12/2001	PROFILE	140.00	140.00	48.60	48.60
G158DEA	MW-158	03/12/2001	PROFILE	150.00	150.00	58.60	58.60
G158DFA	MW-158	03/13/2001	PROFILE	160.00	160.00	68.60	68.60
G158DGA	MW-158	03/13/2001	PROFILE	170.00	170.00	78.60	78.60
G158DHA	MW-158	03/13/2001	PROFILE	180.00	180.00	88.60	88.60
G158DIA	MW-158	03/13/2001	PROFILE	190.00	190.00	98.60	98.60
G158DJA	MW-158	03/13/2001	PROFILE	200.00	200.00	108.60	108.60
G158DKA	MW-158	03/13/2001	PROFILE	210.00	210.00	118.60	118.60
G158DLA	MW-158	03/13/2001	PROFILE	220.00	220.00	128.60	128.60
G158DMA	MW-158	03/13/2001	PROFILE	230.00	230.00	138.60	138.60
G158DMD	MW-158	03/13/2001	PROFILE	230.00	230.00	138.60	138.60
G158DNA	MW-158	03/13/2001	PROFILE	240.00	240.00	148.60	148.60

Profiling methods include: Volatiles and Explosives
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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BWTE = Depth below water table, end depth, measured in feet

TABLE 2
SAMPLING PROGRESS
3/1/2001-3/31/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G158DOA	MW-158	03/13/2001	PROFILE	250.00	250.00	158.60	158.60
G158DPA	MW-158	03/13/2001	PROFILE	260.00	260.00	168.60	168.60
G158DQA	MW-158	03/13/2001	PROFILE	270.00	270.00	178.60	178.60
G158DQD	MW-158	03/13/2001	PROFILE	270.00	270.00	178.60	178.60
G158DRA	MW-158	03/14/2001	PROFILE	280.00	280.00	188.60	188.60
G158DSA	MW-158	03/14/2001	PROFILE	290.00	290.00	198.60	198.60
G158DTA	MW-158	03/14/2001	PROFILE	300.00	300.00	208.60	208.60
G158DUA	MW-158	03/14/2001	PROFILE	305.00	305.00	213.60	213.60
G159DAA	MW-159	03/15/2001	PROFILE	130.00	130.00	1.50	1.50
G159DBA	MW-159	03/19/2001	PROFILE	140.00	140.00	11.50	11.50
G159DCA	MW-159	03/19/2001	PROFILE	150.00	150.00	21.50	21.50
G159DDA	MW-159	03/19/2001	PROFILE	160.00	160.00	31.50	31.50
G159DEA	MW-159	03/19/2001	PROFILE	170.00	170.00	41.50	41.50
G159DFA	MW-159	03/20/2001	PROFILE	180.00	180.00	51.50	51.50
G159DFD	MW-159	03/20/2001	PROFILE	180.00	180.00	51.50	51.50
G159DGA	MW-159	03/20/2001	PROFILE	190.00	190.00	61.50	61.50
G159DHA	MW-159	03/20/2001	PROFILE	200.00	200.00	71.50	71.50
G159DIA	MW-159	03/20/2001	PROFILE	210.00	210.00	81.50	81.50
GSB24AA	B-24	03/20/2001	PROFILE	36.50	36.50	4.50	4.50
GSB25AA	B-25	03/21/2001	PROFILE	36.00	36.00	4.00	4.00
AB0024AAA	B-24	03/19/2001	SOIL BORING	0.00	2.00		
AB0024BAA	B-24	03/20/2001	SOIL BORING	5.00	7.00	27.00	25.00
AB0024CAA	B-24	03/20/2001	SOIL BORING	10.00	12.00	22.00	20.00
AB0025AAA	B-25	03/20/2001	SOIL BORING	0.00	2.00		
AB0025AAD	B-25	03/20/2001	SOIL BORING	0.00	2.00		
AB0025BAA	B-25	03/20/2001	SOIL BORING	5.00	7.00		
AB0025CAA	B-25	03/21/2001	SOIL BORING	10.00	12.00		
S159DCA	MW-159	03/14/2001	SOIL BORING	10.00	12.00		
S159DDA	MW-159	03/14/2001	SOIL BORING	20.00	22.00		
S159DEA	MW-159	03/14/2001	SOIL BORING	30.00	32.00		
S159DFA	MW-159	03/15/2001	SOIL BORING	40.00	42.00	0.00	10.00
S159DGA	MW-159	03/15/2001	SOIL BORING	50.00	52.00	0.00	10.00
S159DHA	MW-159	03/15/2001	SOIL BORING	60.00	62.00	0.00	10.00
S159DIA	MW-159	03/15/2001	SOIL BORING	70.00	72.00	0.00	10.00
S159DJA	MW-159	03/15/2001	SOIL BORING	80.00	82.00	0.00	10.00
S159DKA	MW-159	03/15/2001	SOIL BORING	90.00	92.00	0.00	10.00
S159DLA	MW-159	03/15/2001	SOIL BORING	100.00	102.00	0.00	10.00
S159DMA	MW-159	03/15/2001	SOIL BORING	110.00	112.00	0.00	10.00
S159DNA	MW-159	03/15/2001	SOIL BORING	120.00	122.00	0.00	10.00
S159DOA	MW-159	03/15/2001	SOIL BORING	130.00	132.00	1.50	1.50
CS131A1AAA	131A	03/06/2001	SOIL GRAB				
CS131A2AAA	131A	03/06/2001	SOIL GRAB				
CS131B1AAA	131B	03/06/2001	SOIL GRAB				
CS131B2AAA	131B	03/06/2001	SOIL GRAB				
CS131C1AAA	131C	03/06/2001	SOIL GRAB				
CS131C2AAA	131C	03/06/2001	SOIL GRAB				
HD131A1AAA	131A	03/06/2001	SOIL GRAB	0.00	0.50		
HD131A2AAA	131A	03/06/2001	SOIL GRAB	0.00	0.50		
HD131A3AAA	131A	03/06/2001	SOIL GRAB	0.00	0.50		

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

TABLE 2
SAMPLING PROGRESS
3/1/2001-3/31/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD131A4AAA	131A	03/06/2001	SOIL GRAB	0.00	0.50		
HD131A5AAA	131A	03/06/2001	SOIL GRAB	0.00	0.50		
HD131A6AAA	131A	03/06/2001	SOIL GRAB	0.00	0.50		
HD131B1AAA	131B	03/06/2001	SOIL GRAB	0.00	0.50		
HD131B2AAA	131B	03/06/2001	SOIL GRAB	0.00	0.50		
HD131B3AAA	131B	03/06/2001	SOIL GRAB	0.00	0.50		
HD131B4AAA	131B	03/06/2001	SOIL GRAB	0.00	0.50		
HD131B5AAA	131B	03/06/2001	SOIL GRAB	0.00	0.50		
HD131B6AAA	131B	03/06/2001	SOIL GRAB	0.00	0.50		
HD131C1AAA	131C	03/06/2001	SOIL GRAB	0.00	0.50		
HD131C2AAA	131C	03/06/2001	SOIL GRAB	0.00	0.50		
HD131C3AAA	131C	03/06/2001	SOIL GRAB	0.00	0.50		
HD131C4AAA	131C	03/06/2001	SOIL GRAB	0.00	0.50		
HD131C5AAA	131C	03/06/2001	SOIL GRAB	0.00	0.50		
HD131C6AAA	131C	03/06/2001	SOIL GRAB	0.00	0.50		
SG102Q1AAA	102Q1	03/21/2001	SOIL GRAB	0.00	0.50		
HC130A1AAA	130A	03/09/2001	SOIL GRID	0.00	0.25		
HC130A1BAA	130A	03/09/2001	SOIL GRID	0.25	0.50		
HC130A1CAA	130A	03/09/2001	SOIL GRID	0.50	1.00		
HC130AA1AAA	130AA	03/19/2001	SOIL GRID	0.00	0.25		
HC130AA1BAA	130AA	03/19/2001	SOIL GRID	0.25	0.50		
HC130AA1CAA	130AA	03/19/2001	SOIL GRID	0.50	1.00		
HC130AA1CAD	130AA	03/19/2001	SOIL GRID	0.50	1.00		
HC130AB1AAA	130AB	03/16/2001	SOIL GRID	0.00	0.25		
HC130AB1BAA	130AB	03/16/2001	SOIL GRID	0.25	0.50		
HC130AB1CAA	130AB	03/16/2001	SOIL GRID	0.50	1.00		
HC130AC1AAA	130AC	03/16/2001	SOIL GRID	0.00	0.25		
HC130AC1BAA	130AC	03/16/2001	SOIL GRID	0.25	0.50		
HC130AC1CAA	130AC	03/19/2001	SOIL GRID	0.50	1.00		
HC130AD1AAA	130AD	03/19/2001	SOIL GRID	0.00	0.25		
HC130AD1BAA	130AD	03/19/2001	SOIL GRID	0.25	0.50		
HC130AD1CAA	130AD	03/19/2001	SOIL GRID	0.50	1.00		
HC130B1AAA	130B	03/12/2001	SOIL GRID	0.00	0.25		
HC130B1BAA	130B	03/12/2001	SOIL GRID	0.25	0.50		
HC130B1BAD	130B	03/12/2001	SOIL GRID	0.25	0.50		
HC130B1CAA	130B	03/12/2001	SOIL GRID	0.50	1.00		
HC130C1AAA	130C	03/12/2001	SOIL GRID	0.00	0.25		
HC130C1BAA	130C	03/12/2001	SOIL GRID	0.25	0.50		
HC130C1CAA	130C	03/12/2001	SOIL GRID	0.50	1.00		
HC130C1CAD	130C	03/12/2001	SOIL GRID	0.50	1.00		
HC130D1AAA	130D	03/12/2001	SOIL GRID	0.00	0.25		
HC130D1BAA	130D	03/12/2001	SOIL GRID	0.25	0.50		
HC130D1CAA	130D	03/12/2001	SOIL GRID	0.50	1.00		
HC130E1AAA	130E	03/12/2001	SOIL GRID	0.00	0.25		
HC130E1BAA	130E	03/12/2001	SOIL GRID	0.25	0.50		
HC130E1CAA	130E	03/12/2001	SOIL GRID	0.50	1.00		
HC130E1CAD	130E	03/12/2001	SOIL GRID	0.50	1.00		
HC130F1AAA	130F	03/12/2001	SOIL GRID	0.00	0.25		
HC130F1BAA	130F	03/12/2001	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
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TABLE 2
SAMPLING PROGRESS
3/1/2001-3/31/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC130F1CAA	130F	03/12/2001	SOIL GRID	0.50	1.00		
HC130G1AAA	130G	03/13/2001	SOIL GRID	0.00	0.25		
HC130G1BAA	130G	03/13/2001	SOIL GRID	0.25	0.50		
HC130G1CAA	130G	03/13/2001	SOIL GRID	0.50	1.00		
HC130H1AAA	130H	03/13/2001	SOIL GRID	0.00	0.25		
HC130H1BAA	130H	03/13/2001	SOIL GRID	0.25	0.50		
HC130H1CAA	130H	03/13/2001	SOIL GRID	0.50	1.00		
HC130I1AAA	130I	03/14/2001	SOIL GRID	0.00	0.25		
HC130I1BAA	130I	03/14/2001	SOIL GRID	0.25	0.50		
HC130I1CAA	130I	03/14/2001	SOIL GRID	0.50	1.00		
HC130J1AAA	130J	03/14/2001	SOIL GRID	0.00	0.25		
HC130J1BAA	130J	03/14/2001	SOIL GRID	0.25	0.50		
HC130J1CAA	130J	03/14/2001	SOIL GRID	0.50	1.00		
HC130K1AAA	130K	03/20/2001	SOIL GRID	0.00	0.25		
HC130K1BAA	130K	03/20/2001	SOIL GRID	0.25	0.50		
HC130K1CAA	130K	03/20/2001	SOIL GRID	0.50	1.00		
HC130L1AAA	130L	03/20/2001	SOIL GRID	0.00	0.25		
HC130L1BAA	130L	03/20/2001	SOIL GRID	0.25	0.50		
HC130L1CAA	130L	03/20/2001	SOIL GRID	0.50	1.00		
HC130M1AAA	130M	03/20/2001	SOIL GRID	0.00	0.25		
HC130M1BAA	130M	03/20/2001	SOIL GRID	0.25	0.50		
HC130M1CAA	130M	03/20/2001	SOIL GRID	0.50	1.00		
HC130N1AAA	130N	03/20/2001	SOIL GRID	0.00	0.25		
HC130N1BAA	130N	03/20/2001	SOIL GRID	0.25	0.50		
HC130N1CAA	130N	03/20/2001	SOIL GRID	0.50	1.00		
HC130O1AAA	130O	03/08/2001	SOIL GRID	0.00	0.25		
HC130O1BAA	130O	03/08/2001	SOIL GRID	0.25	0.50		
HC130O1CAA	130O	03/08/2001	SOIL GRID	0.50	1.00		
HC130P1AAA	130P	03/08/2001	SOIL GRID	0.00	0.25		
HC130P1BAA	130P	03/08/2001	SOIL GRID	0.25	0.50		
HC130P1CAA	130P	03/08/2001	SOIL GRID	0.50	1.00		
HC130Q1AAA	130Q	03/21/2001	SOIL GRID	0.00	0.25		
HC130Q1BAA	130Q	03/21/2001	SOIL GRID	0.25	0.50		
HC130Q1CAA	130Q	03/21/2001	SOIL GRID	0.50	1.00		
HC130Q1CAD	130Q	03/21/2001	SOIL GRID	0.50	1.00		
HC130R1AAA	130R	03/21/2001	SOIL GRID	0.00	0.25		
HC130R1BAA	130R	03/21/2001	SOIL GRID	0.25	0.50		
HC130R1CAA	130R	03/21/2001	SOIL GRID	0.50	1.00		
HC130R1CAD	130R	03/21/2001	SOIL GRID	0.50	1.00		
HC130T1AAA	130T	03/23/2001	SOIL GRID	0.00	0.25		
HC130T1BAA	130T	03/23/2001	SOIL GRID	0.25	0.50		
HC130T1CAA	130T	03/23/2001	SOIL GRID	0.50	1.00		
HC130T1CAD	130T	03/23/2001	SOIL GRID	0.50	1.00		
HC130U1AAA	130U	03/23/2001	SOIL GRID	0.00	0.25		
HC130U1BAA	130U	03/23/2001	SOIL GRID	0.25	0.50		
HC130U1CAA	130U	03/23/2001	SOIL GRID	0.50	1.00		
HC130W1AAA	130W	03/26/2001	SOIL GRID	0.00	0.25		
HC130W1BAA	130W	03/26/2001	SOIL GRID	0.25	0.50		
HC130W1CAA	130W	03/26/2001	SOIL GRID	0.50	1.00		

Profiling methods include: Volatiles and Explosives
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TABLE 2
SAMPLING PROGRESS
3/1/2001-3/31/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC130X1AAA	130X	03/26/2001	SOIL GRID	0.00	0.25		
HC130X1BAA	130X	03/26/2001	SOIL GRID	0.25	0.50		
HC130X1CAA	130X	03/26/2001	SOIL GRID	0.50	1.00		
HC130X1CAD	130X	03/26/2001	SOIL GRID	0.50	1.00		
HC130Y1AAA	130Y	03/15/2001	SOIL GRID	0.00	0.25		
HC130Y1BAA	130Y	03/15/2001	SOIL GRID	0.25	0.50		
HC130Y1CAA	130Y	03/15/2001	SOIL GRID	0.50	1.00		
HC130Z1AAA	130Z	03/19/2001	SOIL GRID	0.00	0.25		
HC130Z1BAA	130Z	03/19/2001	SOIL GRID	0.25	0.50		
HC130Z1CAA	130Z	03/19/2001	SOIL GRID	0.50	1.00		
HC132A1AAA	132A	03/19/2001	SOIL GRID	0.00	0.25		
HC132A1BAA	132A	03/19/2001	SOIL GRID	0.25	0.50		
HC132A1CAA	132A	03/19/2001	SOIL GRID	0.50	1.00		
HC132B1AAA	132B	03/19/2001	SOIL GRID	0.00	0.25		
HC132B1BAA	132B	03/19/2001	SOIL GRID	0.25	0.50		
HC132B1CAA	132B	03/19/2001	SOIL GRID	0.50	1.00		
HC132C1AAA	132C	03/19/2001	SOIL GRID	0.00	0.25		
HC132C1BAA	132C	03/19/2001	SOIL GRID	0.25	0.50		
HC132C1CAA	132C	03/19/2001	SOIL GRID	0.50	1.00		
HC132D1AAA	132D	03/28/2001	SOIL GRID	0.00	0.25		
HC132D1BAA	132D	03/28/2001	SOIL GRID	0.25	0.50		
HC132D1CAA	132D	03/28/2001	SOIL GRID	0.50	1.00		
HC132D1CAD	132D	03/28/2001	SOIL GRID	0.50	1.00		
HC132E1AAA	132E	03/30/2001	SOIL GRID	0.00	0.25		
HC132E1BAA	132E	03/30/2001	SOIL GRID	0.25	0.50		
HC132E1CAA	132E	03/30/2001	SOIL GRID	0.50	1.00		
HC132E1CAD	132E	03/30/2001	SOIL GRID	0.50	1.00		
HC132I1AAA	132I	03/27/2001	SOIL GRID	0.00	0.25		
HC132I1BAA	132I	03/27/2001	SOIL GRID	0.25	0.50		
HC132I1CAA	132I	03/27/2001	SOIL GRID	0.50	1.00		
HC132I1CAD	132I	03/27/2001	SOIL GRID	0.50	1.00		
HC132K1AAA	132K	03/27/2001	SOIL GRID	0.00	0.25		
HC132K1BAA	132K	03/27/2001	SOIL GRID	0.25	0.50		
HC132K1CAA	132K	03/27/2001	SOIL GRID	0.50	1.00		
HC132L1AAA	132L	03/27/2001	SOIL GRID	0.00	0.25		
HC132L1BAA	132L	03/27/2001	SOIL GRID	0.25	0.50		
HC132L1CAA	132L	03/27/2001	SOIL GRID	0.50	1.00		
HC132L1CAD	132L	03/27/2001	SOIL GRID	0.50	1.00		
HC132M1AAA	132M	03/27/2001	SOIL GRID	0.00	0.25		
HC132M1BAA	132M	03/27/2001	SOIL GRID	0.25	0.50		
HC132M1CAA	132M	03/27/2001	SOIL GRID	0.50	1.00		
HC132M1CAD	132M	03/27/2001	SOIL GRID	0.50	1.00		
HC132N1AAA	130N	03/21/2001	SOIL GRID	0.00	0.25		
HC132N1BAA	130N	03/21/2001	SOIL GRID	0.25	0.50		
HC132N1CAA	130N	03/21/2001	SOIL GRID	0.50	1.00		
HC132O1AAA	132O	03/30/2001	SOIL GRID	0.00	0.25		
HC132O1BAA	132O	03/30/2001	SOIL GRID	0.25	0.50		
HC132O1CAA	132O	03/30/2001	SOIL GRID	0.50	1.00		
HC132O1CAD	132O	03/30/2001	SOIL GRID	0.50	1.00		

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

TABLE 2
SAMPLING PROGRESS
3/1/2001-3/31/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC132P1AAA	132P	03/20/2001	SOIL GRID	0.00	0.25		
HC132P1BAA	132P	03/20/2001	SOIL GRID	0.25	0.50		
HC132P1CAA	132P	03/20/2001	SOIL GRID	0.50	1.00		
HC132P1CAD	132P	03/20/2001	SOIL GRID	0.50	1.00		
HC132Q1AAA	132Q	03/20/2001	SOIL GRID	0.00	0.25		
HC132Q1BAA	132Q	03/20/2001	SOIL GRID	0.25	0.50		
HC132Q1CAA	132Q	03/20/2001	SOIL GRID	0.50	1.00		
HC132Q1CAD	132Q	03/20/2001	SOIL GRID	0.50	1.00		
HC132S1AAA	132S	03/20/2001	SOIL GRID	0.00	0.25		
HC132S1BAA	132S	03/20/2001	SOIL GRID	0.25	0.50		
HC132S1CAA	132S	03/20/2001	SOIL GRID	0.50	1.00		
HC132T1AAA	132T	03/20/2001	SOIL GRID	0.00	0.25		
HC132T1BAA	132T	03/20/2001	SOIL GRID	0.25	0.50		
HC132T1CAA	132T	03/20/2001	SOIL GRID	0.50	1.00		
HC132T1CAD	132T	03/20/2001	SOIL GRID	0.50	1.00		
HC79HA1AAA	79HA	03/21/2001	SOIL GRID	0.00	0.50		
HC79HA1BAA	79HA	03/21/2001	SOIL GRID	0.50	1.00		
HC79HA1BAD	79HA	03/21/2001	SOIL GRID	0.50	1.00		
HC79HA1CAA	79HA	03/21/2001	SOIL GRID	1.00	1.50		
HC79HA1DAA	79HA	03/21/2001	SOIL GRID	1.50	2.00		
HC79HB1AAA	79HB	03/22/2001	SOIL GRID	0.00	0.50		
HC79HB1BAA	79HB	03/22/2001	SOIL GRID	0.50	1.00		
HC79HB1CAA	79HB	03/22/2001	SOIL GRID	1.00	1.50		
HC79HB1DAA	79HB	03/22/2001	SOIL GRID	1.50	2.00		
HC79HC1AAA	79HC	03/21/2001	SOIL GRID	0.00	0.50		
HC79HC1BAA	79HC	03/21/2001	SOIL GRID	0.50	1.00		
HC79HC1CAA	79HC	03/21/2001	SOIL GRID	1.00	1.50		
HC79HC1DAA	79HC	03/21/2001	SOIL GRID	1.50	2.00		
HC79HC1DAD	79HC	03/20/2001	SOIL GRID	1.50	2.00		
HC79HD1AAA	79HD	03/20/2001	SOIL GRID	0.00	0.50		
HC79HD1BAA	79HD	03/20/2001	SOIL GRID	0.50	1.00		
HC79HD1CAA	79HD	03/20/2001	SOIL GRID	1.00	1.50		
HC79HD1DAA	79HD	03/20/2001	SOIL GRID	1.50	2.00		
HC79HE1AAA	79HE	03/20/2001	SOIL GRID	0.00	0.50		
HC79HE1BAA	79HE	03/20/2001	SOIL GRID	0.50	1.00		
HC79HE1CAA	79HE	03/20/2001	SOIL GRID	1.00	1.50		
HC79HE1DAA	79HE	03/20/2001	SOIL GRID	1.50	2.00		
HC79HF1AAA	79HF	03/20/2001	SOIL GRID	0.00	0.50		
HC79HF1BAA	79HF	03/20/2001	SOIL GRID	0.50	1.00		
HC79HF1CAA	79HF	03/20/2001	SOIL GRID	1.00	1.50		
HC79HF1DAA	79HF	03/20/2001	SOIL GRID	1.50	2.00		
HC79HG1AAA	79HG	03/20/2001	SOIL GRID	0.00	0.50		
HC79HG1BAA	79HG	03/20/2001	SOIL GRID	0.50	1.00		
HC79HG1CAA	79HG	03/20/2001	SOIL GRID	1.00	1.50		
HC79HG1DAA	79HG	03/20/2001	SOIL GRID	1.50	2.00		
HC79HH1AAA	79HH	03/21/2001	SOIL GRID	0.00	0.50		
HC79HH1BAA	79HH	03/21/2001	SOIL GRID	0.50	1.00		
HC79HH1CAA	79HH	03/21/2001	SOIL GRID	1.00	1.50		
HC79HH1CAD	79HH	03/21/2001	SOIL GRID	1.00	1.50		

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

TABLE 2
SAMPLING PROGRESS
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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC79HH1DAA	79HH	03/21/2001	SOIL GRID	1.50	2.00		
HC79IB1AAA	79IB	03/26/2001	SOIL GRID	0.00	0.50		
HC79IB1BAA	79IB	03/26/2001	SOIL GRID	0.50	1.00		
HC79IB1CAA	79IB	03/26/2001	SOIL GRID	1.00	1.50		
HC79IB1DAA	79IB	03/26/2001	SOIL GRID	1.50	2.00		
HC79IC1AAA	79IC	03/26/2001	SOIL GRID	0.00	0.50		
HC79IC1BAA	79IC	03/26/2001	SOIL GRID	0.50	1.00		
HC79IC1BAD	79IC	03/26/2001	SOIL GRID	0.50	1.00		
HC79IC1CAA	79IC	03/26/2001	SOIL GRID	1.00	1.50		
HC79IC1DAA	79IC	03/26/2001	SOIL GRID	1.50	2.00		
HC79IC1DAD	79IC	03/26/2001	SOIL GRID	1.50	2.00		
HC79ID1AAA	79ID	03/22/2001	SOIL GRID	0.00	0.50		
HC79ID1BAA	79ID	03/22/2001	SOIL GRID	0.50	1.00		
HC79ID1BAD	79ID	03/22/2001	SOIL GRID	0.50	1.00		
HC79ID1CAA	79ID	03/22/2001	SOIL GRID	1.00	1.50		
HC79ID1DAA	79ID	03/22/2001	SOIL GRID	1.50	2.00		
HC79IE1AAA	79IE	03/22/2001	SOIL GRID	0.00	0.50		
HC79IE1BAA	79IE	03/22/2001	SOIL GRID	0.50	1.00		
HC79IE1CAA	79IE	03/22/2001	SOIL GRID	1.00	1.50		
HC79IE1DAA	79IE	03/22/2001	SOIL GRID	1.50	2.00		
HC79IF1AAA	79IF	03/22/2001	SOIL GRID	0.00	0.50		
HC79IF1BAA	79IF	03/22/2001	SOIL GRID	0.50	1.00		
HC79IF1CAA	79IF	03/22/2001	SOIL GRID	1.00	1.50		
HC79IF1DAA	79IF	03/22/2001	SOIL GRID	1.50	2.00		
HC79IG1AAA	79IG	03/23/2001	SOIL GRID	0.00	0.50		
HC79IG1BAA	79IG	03/23/2001	SOIL GRID	0.50	1.00		
HC79IG1CAA	79IG	03/23/2001	SOIL GRID	1.00	1.50		
HC79IG1DAA	79IG	03/23/2001	SOIL GRID	1.50	2.00		
HC79IH1AAA	79IH	03/26/2001	SOIL GRID	0.00	0.50		
HC79IH1BAA	79IH	03/26/2001	SOIL GRID	0.50	1.00		
HC79IH1CAA	79IH	03/26/2001	SOIL GRID	1.00	1.50		
HC79IH1DAA	79IH	03/26/2001	SOIL GRID	1.50	2.00		
HC87E1AAA	87E	03/22/2001	SOIL GRID	0.00	0.50		
HC87E1BAA	87E	03/22/2001	SOIL GRID	0.50	1.00		
HC87E1CAA	87E	03/22/2001	SOIL GRID	1.00	1.50		
HC87E1CAD	87E	03/22/2001	SOIL GRID	1.00	1.50		
HC87E1DAA	87E	03/22/2001	SOIL GRID	1.50	2.00		
HD101N1AAA	101N	03/12/2001	SOIL GRID	0.00	0.25		
HD130A1AAA	130A	03/09/2001	SOIL GRID	0.00	0.25		
HD130A1BAA	130A	03/09/2001	SOIL GRID	0.25	0.50		
HD130A1CAA	130A	03/09/2001	SOIL GRID	0.50	1.00		
HD130AA1AAA	130AA	03/19/2001	SOIL GRID	0.00	0.25		
HD130AA1BAA	130AA	03/19/2001	SOIL GRID	0.25	0.50		
HD130AA1CAA	130AA	03/19/2001	SOIL GRID	0.50	1.00		
HD130AB1AAA	130AB	03/16/2001	SOIL GRID	0.00	0.25		
HD130AB1BAA	130AB	03/16/2001	SOIL GRID	0.25	0.50		
HD130AB1CAA	130AB	03/16/2001	SOIL GRID	0.50	1.00		
HD130AC1AAA	130AC	03/16/2001	SOIL GRID	0.00	0.25		
HD130AC1BAA	130AC	03/16/2001	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
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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
HD130AC1CAA	130AC	03/19/2001	SOIL GRID	0.50	1.00		
HD130AD1AAA	130AD	03/19/2001	SOIL GRID	0.00	0.25		
HD130AD1BAA	130AD	03/19/2001	SOIL GRID	0.25	0.50		
HD130AD1CAA	130AD	03/19/2001	SOIL GRID	0.50	1.00		
HD130AD1CAD	130AD	03/19/2001	SOIL GRID	0.50	1.00		
HD130B1AAA	130B	03/12/2001	SOIL GRID	0.00	0.25		
HD130B1BAA	130B	03/12/2001	SOIL GRID	0.25	0.50		
HD130B1CAA	130B	03/12/2001	SOIL GRID	0.50	1.00		
HD130C1AAA	130C	03/12/2001	SOIL GRID	0.00	0.25		
HD130C1BAA	130C	03/12/2001	SOIL GRID	0.25	0.50		
HD130C1CAA	130C	03/12/2001	SOIL GRID	0.50	1.00		
HD130D1AAA	130D	03/12/2001	SOIL GRID	0.00	0.25		
HD130D1BAA	130D	03/12/2001	SOIL GRID	0.25	0.50		
HD130D1CAA	130D	03/12/2001	SOIL GRID	0.50	1.00		
HD130E1AAA	130E	03/12/2001	SOIL GRID	0.00	0.25		
HD130E1BAA	130E	03/12/2001	SOIL GRID	0.25	0.50		
HD130E1CAA	130E	03/12/2001	SOIL GRID	0.50	1.00		
HD130F1AAA	130F	03/12/2001	SOIL GRID	0.00	0.25		
HD130F1BAA	130F	03/12/2001	SOIL GRID	0.25	0.50		
HD130F1BAD	130F	03/12/2001	SOIL GRID	0.25	0.50		
HD130F1CAA	130F	03/12/2001	SOIL GRID	0.50	1.00		
HD130G1AAA	130G	03/13/2001	SOIL GRID	0.00	0.25		
HD130G1BAA	130G	03/13/2001	SOIL GRID	0.25	0.50		
HD130G1BAD	130G	03/13/2001	SOIL GRID	0.25	0.50		
HD130G1CAA	130G	03/13/2001	SOIL GRID	0.50	1.00		
HD130H1AAA	130H	03/13/2001	SOIL GRID	0.00	0.25		
HD130H1BAA	130H	03/13/2001	SOIL GRID	0.25	0.50		
HD130H1BAD	130H	03/13/2001	SOIL GRID	0.25	0.50		
HD130H1CAA	130H	03/13/2001	SOIL GRID	0.50	1.00		
HD130I1AAA	130I	03/14/2001	SOIL GRID	0.00	0.25		
HD130I1BAA	130I	03/14/2001	SOIL GRID	0.25	0.50		
HD130I1BAD	130I	03/14/2001	SOIL GRID	0.25	0.50		
HD130I1CAA	130I	03/14/2001	SOIL GRID	0.50	1.00		
HD130J1AAA	130J	03/14/2001	SOIL GRID	0.00	0.25		
HD130J1BAA	130J	03/14/2001	SOIL GRID	0.25	0.50		
HD130J1BAD	130J	03/14/2001	SOIL GRID	0.25	0.50		
HD130J1CAA	130J	03/14/2001	SOIL GRID	0.50	1.00		
HD130K1AAA	130K	03/20/2001	SOIL GRID	0.00	0.25		
HD130K1BAA	130K	03/20/2001	SOIL GRID	0.25	0.50		
HD130K1CAA	130K	03/20/2001	SOIL GRID	0.50	1.00		
HD130K1CAD	130K	03/20/2001	SOIL GRID	0.50	1.00		
HD130L1AAA	130L	03/20/2001	SOIL GRID	0.00	0.25		
HD130L1BAA	130L	03/20/2001	SOIL GRID	0.25	0.50		
HD130L1CAA	130L	03/20/2001	SOIL GRID	0.50	1.00		
HD130M1AAA	130M	03/20/2001	SOIL GRID	0.00	0.25		
HD130M1BAA	130M	03/20/2001	SOIL GRID	0.25	0.50		
HD130M1BAD	130M	03/20/2001	SOIL GRID	0.25	0.50		
HD130M1CAA	130M	03/20/2001	SOIL GRID	0.50	1.00		
HD130N1AAA	130N	03/20/2001	SOIL GRID	0.00	0.25		

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TABLE 2
SAMPLING PROGRESS
3/1/2001-3/31/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD130N1BAA	130N	03/20/2001	SOIL GRID	0.25	0.50		
HD130N1CAA	130N	03/20/2001	SOIL GRID	0.50	1.00		
HD130O1AAA	130O	03/08/2001	SOIL GRID	0.00	0.25		
HD130O1BAA	130O	03/08/2001	SOIL GRID	0.25	0.50		
HD130O1CAA	130O	03/08/2001	SOIL GRID	0.50	1.00		
HD130P1AAA	130P	03/08/2001	SOIL GRID	0.00	0.25		
HD130P1BAA	130P	03/08/2001	SOIL GRID	0.25	0.50		
HD130P1BAD	130P	03/08/2001	SOIL GRID	0.25	0.50		
HD130P1CAA	130P	03/08/2001	SOIL GRID	0.50	1.00		
HD130Q1AAA	130Q	03/21/2001	SOIL GRID	0.00	0.25		
HD130Q1BAA	130Q	03/21/2001	SOIL GRID	0.25	0.50		
HD130Q1CAA	130Q	03/21/2001	SOIL GRID	0.50	1.00		
HD130R1AAA	130R	03/21/2001	SOIL GRID	0.00	0.25		
HD130R1BAA	130R	03/21/2001	SOIL GRID	0.25	0.50		
HD130R1CAA	130R	03/21/2001	SOIL GRID	0.50	1.00		
HD130T1AAA	130T	03/23/2001	SOIL GRID	0.00	0.25		
HD130T1BAA	130T	03/23/2001	SOIL GRID	0.25	0.50		
HD130T1CAA	130T	03/23/2001	SOIL GRID	0.50	1.00		
HD130U1AAA	130U	03/23/2001	SOIL GRID	0.00	0.25		
HD130U1BAA	130U	03/23/2001	SOIL GRID	0.25	0.50		
HD130U1CAA	130U	03/23/2001	SOIL GRID	0.50	1.00		
HD130W1AAA	130W	03/26/2001	SOIL GRID				
HD130W1BAA	130W	03/26/2001	SOIL GRID				
HD130W1CAA	130W	03/26/2001	SOIL GRID				
HD130X1AAA	130X	03/26/2001	SOIL GRID				
HD130X1BAA	130X	03/26/2001	SOIL GRID				
HD130X1CAA	130X	03/26/2001	SOIL GRID				
HD130Y1AAA	130Y	03/15/2001	SOIL GRID	0.00	0.25		
HD130Y1BAA	130Y	03/15/2001	SOIL GRID	0.25	0.50		
HD130Y1CAA	130Y	03/15/2001	SOIL GRID	0.50	1.00		
HD130Y1CAD	130Y	03/15/2001	SOIL GRID	0.50	1.00		
HD130Z1AAA	130Z	03/19/2001	SOIL GRID	0.00	0.25		
HD130Z1BAA	130Z	03/19/2001	SOIL GRID	0.25	0.50		
HD130Z1CAA	130Z	03/19/2001	SOIL GRID	0.50	1.00		
HD132A1AAA	132A	03/19/2001	SOIL GRID	0.00	0.25		
HD132A1BAA	132A	03/19/2001	SOIL GRID	0.25	0.50		
HD132A1CAA	132A	03/19/2001	SOIL GRID	0.50	1.00		
HD132A1CAD	132A	03/19/2001	SOIL GRID	0.50	1.00		
HD132B1AAA	132B	03/19/2001	SOIL GRID	0.00	0.25		
HD132B1BAA	132B	03/19/2001	SOIL GRID	0.25	0.50		
HD132B1CAA	132B	03/19/2001	SOIL GRID	0.50	1.00		
HD132B1CAD	132B	03/19/2001	SOIL GRID	0.50	1.00		
HD132C1AAA	132C	03/19/2001	SOIL GRID	0.00	0.25		
HD132C1BAA	132C	03/19/2001	SOIL GRID	0.25	0.50		
HD132C1CAA	132C	03/19/2001	SOIL GRID	0.50	1.00		
HD132D1AAA	132D	03/28/2001	SOIL GRID	0.00	0.25		
HD132D1BAA	132D	03/28/2001	SOIL GRID	0.25	0.50		
HD132D1CAA	132D	03/28/2001	SOIL GRID	0.50	1.00		
HD132E1AAA	132E	03/30/2001	SOIL GRID	0.00	0.25		

Profiling methods include: Volatiles and Explosives
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Other Sample Types methods are variable
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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
HD132E1BAA	132E	03/30/2001	SOIL GRID	0.25	0.50		
HD132E1CAA	132E	03/30/2001	SOIL GRID	0.50	1.00		
HD132G1AAA	132G	03/21/2001	SOIL GRID	0.00	0.25		
HD132G1BAA	132G	03/21/2001	SOIL GRID	0.25	0.50		
HD132G1CAA	132G	03/21/2001	SOIL GRID	0.50	1.00		
HD132G2AAA	132G	03/21/2001	SOIL GRID	0.00	0.25		
HD132G2BAA	132G	03/21/2001	SOIL GRID	0.25	0.50		
HD132G2CAA	132G	03/21/2001	SOIL GRID	0.50	1.00		
HD132G3AAA	132G	03/21/2001	SOIL GRID	0.00	0.25		
HD132G3BAA	132G	03/21/2001	SOIL GRID	0.25	0.50		
HD132G3CAA	132G	03/21/2001	SOIL GRID	0.50	1.00		
HD132G4AAA	132G	03/21/2001	SOIL GRID	0.00	0.25		
HD132G4BAA	132G	03/21/2001	SOIL GRID	0.25	0.50		
HD132G4CAA	132G	03/21/2001	SOIL GRID	0.50	1.00		
HD132G5AAA	132G	03/21/2001	SOIL GRID	0.00	0.25		
HD132G5BAA	132G	03/21/2001	SOIL GRID	0.25	0.50		
HD132G5CAA	132G	03/21/2001	SOIL GRID	0.50	1.00		
HD132G5CAD	132G	03/21/2001	SOIL GRID	0.50	1.00		
HD132H1AAA	132H	03/21/2001	SOIL GRID	0.00	0.25		
HD132H1BAA	132H	03/21/2001	SOIL GRID	0.25	0.50		
HD132H1CAA	132H	03/21/2001	SOIL GRID	0.50	1.00		
HD132H1CAA	132H	03/22/2001	SOIL GRID	0.50	1.00		
HD132H2AAA	132H	03/21/2001	SOIL GRID	0.00	0.25		
HD132H2BAA	132H	03/21/2001	SOIL GRID	0.25	0.50		
HD132H2CAA	132H	03/21/2001	SOIL GRID	0.50	1.00		
HD132H2CAA	132H	03/22/2001	SOIL GRID	0.50	1.00		
HD132H3AAA	132H	03/21/2001	SOIL GRID	0.00	0.25		
HD132H3BAA	132H	03/21/2001	SOIL GRID	0.25	0.50		
HD132H3CAA	132H	03/21/2001	SOIL GRID	0.50	1.00		
HD132H3CAA	132H	03/22/2001	SOIL GRID	0.50	1.00		
HD132H4AAA	132H	03/21/2001	SOIL GRID	0.00	0.25		
HD132H4BAA	132H	03/21/2001	SOIL GRID	0.25	0.50		
HD132H4CAA	132H	03/21/2001	SOIL GRID	0.50	1.00		
HD132H4CAA	132H	03/22/2001	SOIL GRID	0.50	1.00		
HD132H5AAA	132H	03/21/2001	SOIL GRID	0.00	0.25		
HD132H5BAA	132H	03/21/2001	SOIL GRID	0.25	0.50		
HD132H5BAD	132H	03/21/2001	SOIL GRID	0.25	0.50		
HD132H5CAA	132H	03/21/2001	SOIL GRID	0.50	1.00		
HD132H5CAA	132H	03/22/2001	SOIL GRID	0.50	1.00		
HD132H5CAD	132H	03/21/2001	SOIL GRID	0.50	1.00		
HD132H5CAD	132H	03/22/2001	SOIL GRID	0.50	1.00		
HD132I1AAA	132I	03/27/2001	SOIL GRID	0.00	0.25		
HD132I1BAA	132I	03/27/2001	SOIL GRID	0.25	0.50		
HD132I1CAA	132I	03/27/2001	SOIL GRID	0.50	1.00		
HD132J1AAA	132J	03/27/2001	SOIL GRID	0.00	0.25		
HD132J1BAA	132J	03/27/2001	SOIL GRID	0.25	0.50		
HD132J1CAA	132J	03/27/2001	SOIL GRID	0.50	1.00		
HD132J2AAA	132J	03/27/2001	SOIL GRID	0.00	0.25		
HD132J2BAA	132J	03/27/2001	SOIL GRID	0.25	0.50		

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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
HD132J2CAA	132J	03/27/2001	SOIL GRID	0.50	1.00		
HD132J3AAA	132J	03/27/2001	SOIL GRID	0.00	0.25		
HD132J3BAA	132J	03/27/2001	SOIL GRID	0.25	0.50		
HD132J3CAA	132J	03/27/2001	SOIL GRID	0.50	1.00		
HD132J4AAA	132J	03/27/2001	SOIL GRID	0.00	0.25		
HD132J4BAA	132J	03/27/2001	SOIL GRID	0.25	0.50		
HD132J4CAA	132J	03/27/2001	SOIL GRID	0.50	1.00		
HD132J5AAA	132J	03/27/2001	SOIL GRID	0.00	0.25		
HD132J5BAA	132J	03/27/2001	SOIL GRID	0.25	0.50		
HD132J5BAD	132J	03/27/2001	SOIL GRID	0.25	0.50		
HD132J5CAA	132J	03/27/2001	SOIL GRID	0.50	1.00		
HD132J5CAD	132J	03/27/2001	SOIL GRID	0.50	1.00		
HD132K1AAA	132K	03/27/2001	SOIL GRID	0.00	0.25		
HD132K1BAA	132K	03/27/2001	SOIL GRID	0.25	0.50		
HD132K1CAA	132K	03/27/2001	SOIL GRID	0.50	1.00		
HD132L1AAA	132L	03/27/2001	SOIL GRID	0.00	0.25		
HD132L1BAA	132L	03/27/2001	SOIL GRID	0.25	0.50		
HD132L1CAA	132L	03/27/2001	SOIL GRID	0.50	1.00		
HD132M1AAA	132M	03/27/2001	SOIL GRID	0.00	0.25		
HD132M1BAA	132M	03/27/2001	SOIL GRID	0.25	0.50		
HD132M1CAA	132M	03/27/2001	SOIL GRID	0.50	1.00		
HD132N1AAA	130N	03/21/2001	SOIL GRID	0.00	0.25		
HD132N1BAA	130N	03/21/2001	SOIL GRID	0.25	0.50		
HD132N1CAA	130N	03/21/2001	SOIL GRID	0.50	1.00		
HD132O1AAA	132O	03/30/2001	SOIL GRID	0.00	0.25		
HD132O1BAA	132O	03/30/2001	SOIL GRID	0.25	0.50		
HD132O1CAA	132O	03/30/2001	SOIL GRID	0.50	1.00		
HD132P1AAA	132P	03/20/2001	SOIL GRID	0.00	0.25		
HD132P1BAA	132P	03/20/2001	SOIL GRID	0.25	0.50		
HD132P1CAA	132P	03/20/2001	SOIL GRID	0.50	1.00		
HD132Q1AAA	132Q	03/20/2001	SOIL GRID	0.00	0.25		
HD132Q1BAA	132Q	03/20/2001	SOIL GRID	0.25	0.50		
HD132Q1CAA	132Q	03/20/2001	SOIL GRID	0.50	1.00		
HD132R1AAA	132R	03/28/2001	SOIL GRID	0.00	0.25		
HD132R1BAA	132R	03/28/2001	SOIL GRID	0.25	0.50		
HD132R1CAA	132R	03/28/2001	SOIL GRID	0.50	1.00		
HD132R2AAA	132R	03/28/2001	SOIL GRID	0.00	0.25		
HD132R2BAA	132R	03/28/2001	SOIL GRID	0.25	0.50		
HD132R2CAA	132R	03/28/2001	SOIL GRID	0.50	1.00		
HD132R3AAA	132R	03/28/2001	SOIL GRID	0.00	0.25		
HD132R3BAA	132R	03/28/2001	SOIL GRID	0.25	0.50		
HD132R3CAA	132R	03/28/2001	SOIL GRID	0.50	1.00		
HD132R4AAA	132R	03/28/2001	SOIL GRID	0.00	0.25		
HD132R4BAA	132R	03/28/2001	SOIL GRID	0.25	0.50		
HD132R4CAA	132R	03/28/2001	SOIL GRID	0.50	1.00		
HD132R5AAA	132R	03/28/2001	SOIL GRID	0.00	0.25		
HD132R5BAA	132R	03/28/2001	SOIL GRID	0.25	0.50		
HD132R5CAA	132R	03/28/2001	SOIL GRID	0.50	1.00		
HD132R5CAD	132R	03/28/2001	SOIL GRID	0.50	1.00		

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

TABLE 2
SAMPLING PROGRESS
3/1/2001-3/31/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD132S1AAA	132S	03/20/2001	SOIL GRID	0.00	0.25		
HD132S1BAA	132S	03/20/2001	SOIL GRID	0.25	0.50		
HD132S1CAA	132S	03/20/2001	SOIL GRID	0.50	1.00		
HD132T1AAA	132T	03/20/2001	SOIL GRID	0.00	0.25		
HD132T1BAA	132T	03/20/2001	SOIL GRID	0.25	0.50		
HD132T1CAA	132T	03/20/2001	SOIL GRID	0.50	1.00		
HD132U1AAA	132U	03/27/2001	SOIL GRID	0.00	0.25		
HD132U1AAA	132U	03/28/2001	SOIL GRID	0.00	0.25		
HD132U1BAA	132U	03/27/2001	SOIL GRID	0.25	0.50		
HD132U1BAA	132U	03/28/2001	SOIL GRID	0.25	0.50		
HD132U1CAA	132U	03/27/2001	SOIL GRID	0.50	1.00		
HD132U1CAA	132U	03/28/2001	SOIL GRID	0.50	1.00		
HD132U2AAA	132U	03/27/2001	SOIL GRID	0.00	0.25		
HD132U2AAA	132U	03/28/2001	SOIL GRID	0.00	0.25		
HD132U2BAA	132U	03/27/2001	SOIL GRID	0.25	0.50		
HD132U2BAA	132U	03/28/2001	SOIL GRID	0.25	0.50		
HD132U2CAA	132U	03/27/2001	SOIL GRID	0.50	1.00		
HD132U2CAA	132U	03/28/2001	SOIL GRID	0.50	1.00		
HD132U3AAA	132U	03/27/2001	SOIL GRID	0.00	0.25		
HD132U3AAA	132U	03/28/2001	SOIL GRID	0.00	0.25		
HD132U3BAA	132U	03/27/2001	SOIL GRID	0.25	0.50		
HD132U3BAA	132U	03/28/2001	SOIL GRID	0.25	0.50		
HD132U3CAA	132U	03/27/2001	SOIL GRID	0.50	1.00		
HD132U3CAA	132U	03/28/2001	SOIL GRID	0.50	1.00		
HD132U4AAA	132U	03/27/2001	SOIL GRID	0.00	0.25		
HD132U4AAA	132U	03/28/2001	SOIL GRID	0.00	0.25		
HD132U4BAA	132U	03/27/2001	SOIL GRID	0.25	0.50		
HD132U4BAA	132U	03/28/2001	SOIL GRID	0.25	0.50		
HD132U4CAA	132U	03/27/2001	SOIL GRID	0.50	1.00		
HD132U4CAA	132U	03/28/2001	SOIL GRID	0.50	1.00		
HD132U5AAA	132U	03/27/2001	SOIL GRID	0.00	0.25		
HD132U5AAA	132U	03/28/2001	SOIL GRID	0.00	0.25		
HD132U5BAA	132U	03/27/2001	SOIL GRID	0.25	0.50		
HD132U5BAA	132U	03/28/2001	SOIL GRID	0.25	0.50		
HD132U5CAA	132U	03/27/2001	SOIL GRID	0.50	1.00		
HD132U5CAA	132U	03/28/2001	SOIL GRID	0.50	1.00		
HD132U5CAD	132U	03/27/2001	SOIL GRID	0.50	1.00		
HD132U5CAD	132U	03/28/2001	SOIL GRID	0.50	1.00		
HD87E1AAA	87E	03/22/2001	SOIL GRID	0.00	0.50		
HD87E1BAA	87E	03/22/2001	SOIL GRID	0.50	1.00		
HD87E1CAA	87E	03/22/2001	SOIL GRID	1.00	1.50		
HD87E1CAD	87E	03/22/2001	SOIL GRID	1.00	1.50		
HD87E1DAA	87E	03/22/2001	SOIL GRID	1.50	2.00		
HD87E3AAA	87E	03/22/2001	SOIL GRID	0.00	0.50		
HD87E3BAA	87E	03/22/2001	SOIL GRID	0.50	1.00		
HD87E3BAD	87E	03/22/2001	SOIL GRID	0.50	1.00		
HD87E3CAA	87E	03/22/2001	SOIL GRID	1.00	1.50		
HD87E3DAA	87E	03/22/2001	SOIL GRID	1.50	2.00		
HD87E5AAA	87E	03/22/2001	SOIL GRID	0.00	0.50		

Profiling methods include: Volatiles and Explosives
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
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
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TABLE 2
SAMPLING PROGRESS
3/1/2001-3/31/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD87E5BAA	87E	03/22/2001	SOIL GRID	0.50	1.00		
HD87E5BAD	87E	03/22/2001	SOIL GRID	0.50	1.00		
HD87E5CAA	87E	03/22/2001	SOIL GRID	1.00	1.50		
HD87E5DAA	87E	03/22/2001	SOIL GRID	1.50	2.00		
HD87E7AAA	87E	03/22/2001	SOIL GRID	0.00	0.50		
HD87E7BAA	87E	03/22/2001	SOIL GRID	0.50	1.00		
HD87E7CAA	87E	03/22/2001	SOIL GRID	1.00	1.50		
HD87E7CAD	87E	03/22/2001	SOIL GRID	1.00	1.50		
HD87E7DAA	87E	03/22/2001	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 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH MARCH 2001

Friday, April 06, 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
58MW0009E	WC9EXA	10/02/1997	8330	HEXAHYDRO-1,3,5-TRINITRO	7.70		UG/L	21.00	26.00	2.00	X
MW-1	W01SSA	09/30/1997	8330	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	0.00	10.00	2.00	X
MW-1	W01SSD	09/30/1997	8330	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	0.00	10.00	2.00	X
MW-1	W01MMA	09/29/1997	8330	HEXAHYDRO-1,3,5-TRINITRO	4.60		UG/L	40.00	45.00	2.00	X
MW-25	W25SSA	10/16/1997	8330	HEXAHYDRO-1,3,5-TRINITRO	2.00		UG/L	0.00	10.00	2.00	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	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	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

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 MARCH 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
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
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	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	06/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.90		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-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-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
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

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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 MARCH 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
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	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
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

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
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
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

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
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-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-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-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	W91M1A	05/22/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	18.00		UG/L	43.47	53.37	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	W93M1A	05/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20	J	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
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
ASPWELL	ASPWELL	07/20/1999	E200.8	LEAD	53.00		UG/L	0.00	0.00	15.00	X
MW-13	W13DDL	12/15/2000	E314.0	PERCHLORATE	109.00		UG/L	140.00	145.00	18.00	X
MW-31	W31SSA	12/08/2000	E314.0	PERCHLORATE	30.00		UG/L	0.00	10.00	18.00	X
MW-34	W34M2A	12/18/2000	E314.0	PERCHLORATE	34.00		UG/L	55.00	65.00	18.00	X
MW-16	W16SSA	11/17/1997	IM40	SODIUM	20,900.00		UG/L	0.00	10.00	20,000.00	X
MW-16	W16SSL	11/17/1997	IM40	SODIUM	20,400.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02DDA	11/19/1997	IM40	SODIUM	21,500.00		UG/L	287.00	295.00	20,000.00	X
MW-2	W02DDL	11/19/1997	IM40	SODIUM	22,600.00		UG/L	287.00	295.00	20,000.00	X
MW-21	W21SSA	10/24/1997	IM40	SODIUM	24,000.00		UG/L	0.00	10.00	20,000.00	X
MW-21	W21SSL	10/24/1997	IM40	SODIUM	24,200.00		UG/L	0.00	10.00	20,000.00	X
MW-21	W21SSA	10/24/1997	IM40	THALLIUM	6.90	J	UG/L	0.00	10.00	2.00	X
95-15	W9515A	10/17/1997	IM40	ZINC	7,210.00		UG/L	80.00	92.00	2,000.00	X
95-15	W9515L	10/17/1997	IM40	ZINC	4,620.00		UG/L	80.00	92.00	2,000.00	X
LRWS3-1	WL31XA	10/21/1997	IM40	ZINC	2,480.00		UG/L	102.00	117.00	2,000.00	X
LRWS3-1	WL31XL	10/21/1997	IM40	ZINC	2,410.00		UG/L	102.00	117.00	2,000.00	X
LRWS4-1	WL41XA	11/24/1997	IM40	ZINC	3,220.00		UG/L	66.00	91.00	2,000.00	X

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1997 THROUGH MARCH 2001

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LRWS4-1	WL41XL	11/24/1997	IM40	ZINC	3,060.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51DL	11/25/1997	IM40	ZINC	4,410.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51XA	11/25/1997	IM40	ZINC	4,510.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51XD	11/25/1997	IM40	ZINC	4,390.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51XL	11/25/1997	IM40	ZINC	3,900.00		UG/L	66.00	91.00	2,000.00	X
LRWS6-1	WL61XA	11/17/1997	IM40	ZINC	3,480.00		UG/L	184.00	199.00	2,000.00	X
LRWS6-1	WL61XL	11/17/1997	IM40	ZINC	2,600.00		UG/L	184.00	199.00	2,000.00	X
LRWS7-1	WL71XA	11/21/1997	IM40	ZINC	4,320.00		UG/L	186.00	201.00	2,000.00	X
LRWS7-1	WL71XL	11/21/1997	IM40	ZINC	3,750.00		UG/L	186.00	201.00	2,000.00	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
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
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

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DW LIMIT = EITHER THE MCL OR LOWEST HEALTH ADVISORY CONCENTRATION (CHILD, ADULT OR LIFETIME)
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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH MARCH 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
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
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

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1997 THROUGH MARCH 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
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
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

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1997 THROUGH MARCH 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
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-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-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

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1997 THROUGH MARCH 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
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
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-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	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

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1997 THROUGH MARCH 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
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
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

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 MARCH 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
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
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
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	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	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
ASPWELL	ASPWELL	12/12/2000	IM40PB	LEAD	20.90		UG/L	0.00	0.00	15.00	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

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
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
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

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
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
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-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

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 MARCH 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
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
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
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 2/16/01-03/31/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G157DAA	MW-157	03/01/2001	PROFILE	20.00	20.00	6.70	6.70	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G157DAA	MW-157	03/01/2001	PROFILE	20.00	20.00	6.70	6.70	8330N	NITROGLYCERIN	NO
G157DAA	MW-157	03/01/2001	PROFILE	20.00	20.00	6.70	6.70	8330N	PICRIC ACID	NO
G157DAA	MW-157	03/01/2001	PROFILE	20.00	20.00	6.70	6.70	OC21V	ACETONE	
G157DAA	MW-157	03/01/2001	PROFILE	20.00	20.00	6.70	6.70	OC21V	CHLOROETHANE	
G157DAA	MW-157	03/01/2001	PROFILE	20.00	20.00	6.70	6.70	OC21V	ETHYLBENZENE	
G157DAA	MW-157	03/01/2001	PROFILE	20.00	20.00	6.70	6.70	OC21V	METHYL ETHYL KETONE (2-BUTA	
G157DAA	MW-157	03/01/2001	PROFILE	20.00	20.00	6.70	6.70	OC21V	TOLUENE	
G157DAA	MW-157	03/01/2001	PROFILE	20.00	20.00	6.70	6.70	OC21V	XYLENES, TOTAL	
G157DBA	MW-157	03/01/2001	PROFILE	30.00	30.00	16.70	16.70	OC21V	ACETONE	
G157DBA	MW-157	03/01/2001	PROFILE	30.00	30.00	16.70	16.70	OC21V	CHLOROFORM	
G157DBA	MW-157	03/01/2001	PROFILE	30.00	30.00	16.70	16.70	OC21V	METHYL ETHYL KETONE (2-BUTA	
G157DBA	MW-157	03/01/2001	PROFILE	30.00	30.00	16.70	16.70	OC21V	TOLUENE	
G157DBA	MW-157	03/01/2001	PROFILE	30.00	30.00	16.70	16.70	OC21V	XYLENES, TOTAL	
G157DCA	MW-157	03/01/2001	PROFILE	40.00	40.00	26.70	26.70	OC21V	ACETONE	
G157DCA	MW-157	03/01/2001	PROFILE	40.00	40.00	26.70	26.70	OC21V	CHLOROFORM	
G157DCA	MW-157	03/01/2001	PROFILE	40.00	40.00	26.70	26.70	OC21V	TOLUENE	
G157DCA	MW-157	03/01/2001	PROFILE	40.00	40.00	26.70	26.70	OC21V	XYLENES, TOTAL	
G157DCD	MW-157	03/01/2001	PROFILE	40.00	40.00	26.70	26.70	OC21V	ACETONE	
G157DCD	MW-157	03/01/2001	PROFILE	40.00	40.00	26.70	26.70	OC21V	CHLOROFORM	
G157DCD	MW-157	03/01/2001	PROFILE	40.00	40.00	26.70	26.70	OC21V	TOLUENE	
G157DCD	MW-157	03/01/2001	PROFILE	40.00	40.00	26.70	26.70	OC21V	XYLENES, TOTAL	
G157DDA	MW-157	03/01/2001	PROFILE	50.00	50.00	36.70	36.70	OC21V	CHLOROFORM	
G157DDA	MW-157	03/01/2001	PROFILE	50.00	50.00	36.70	36.70	OC21V	TOLUENE	
G157DEA	MW-157	03/01/2001	PROFILE	60.00	60.00	46.70	46.70	OC21V	ACETONE	
G157DEA	MW-157	03/01/2001	PROFILE	60.00	60.00	46.70	46.70	OC21V	CHLOROFORM	
G157DEA	MW-157	03/01/2001	PROFILE	60.00	60.00	46.70	46.70	OC21V	TOLUENE	
G157DFA	MW-157	03/01/2001	PROFILE	70.00	70.00	56.70	56.70	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G157DFA	MW-157	03/01/2001	PROFILE	70.00	70.00	56.70	56.70	OC21V	CHLOROFORM	
G157DFA	MW-157	03/01/2001	PROFILE	70.00	70.00	56.70	56.70	OC21V	TRANS-1,3-DICHLOROPROPENE	
G157DGA	MW-157	03/02/2001	PROFILE	80.00	80.00	66.70	66.70	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G157DGA	MW-157	03/02/2001	PROFILE	80.00	80.00	66.70	66.70	OC21V	ACETONE	

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(UNVALIDATED)
SAMPLES COLLECTED 2/16/01-03/31/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G157DGA	MW-157	03/02/2001	PROFILE	80.00	80.00	66.70	66.70	OC21V	CHLOROFORM	
G157DGA	MW-157	03/02/2001	PROFILE	80.00	80.00	66.70	66.70	OC21V	TOLUENE	
G157DHA	MW-157	03/02/2001	PROFILE	90.00	90.00	76.70	76.70	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G157DHA	MW-157	03/02/2001	PROFILE	90.00	90.00	76.70	76.70	OC21V	ACETONE	
G157DHA	MW-157	03/02/2001	PROFILE	90.00	90.00	76.70	76.70	OC21V	TOLUENE	
G157DIA	MW-157	03/02/2001	PROFILE	100.00	100.00	86.70	86.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G157DIA	MW-157	03/02/2001	PROFILE	100.00	100.00	86.70	86.70	OC21V	TOLUENE	
G157DIA	MW-157	03/02/2001	PROFILE	100.00	100.00	86.70	86.70	OC21V	XYLENES, TOTAL	
G157DJA	MW-157	03/02/2001	PROFILE	110.00	110.00	96.70	96.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G157DJA	MW-157	03/02/2001	PROFILE	110.00	110.00	96.70	96.70	8330N	NITROGLYCERIN	NO
G157DJA	MW-157	03/02/2001	PROFILE	110.00	110.00	96.70	96.70	OC21V	ACETONE	
G157DJA	MW-157	03/02/2001	PROFILE	110.00	110.00	96.70	96.70	OC21V	TOLUENE	
G157DKA	MW-157	03/07/2001	PROFILE	120.00	120.00	105.70	105.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G157DKA	MW-157	03/07/2001	PROFILE	120.00	120.00	105.70	105.70	8330N	NITROGLYCERIN	NO
G157DKA	MW-157	03/07/2001	PROFILE	120.00	120.00	105.70	105.70	OC21V	ACETONE	
G157DKA	MW-157	03/07/2001	PROFILE	120.00	120.00	105.70	105.70	OC21V	CHLOROFORM	
G157DKA	MW-157	03/07/2001	PROFILE	120.00	120.00	105.70	105.70	OC21V	METHYL ETHYL KETONE (2-BUTA	
G157DKA	MW-157	03/07/2001	PROFILE	120.00	120.00	105.70	105.70	OC21V	TOLUENE	
G157DLA	MW-157	03/07/2001	PROFILE	130.00	130.00	115.70	115.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G157DLA	MW-157	03/07/2001	PROFILE	130.00	130.00	115.70	115.70	OC21V	ACETONE	
G157DLA	MW-157	03/07/2001	PROFILE	130.00	130.00	115.70	115.70	OC21V	CHLOROFORM	
G157DLA	MW-157	03/07/2001	PROFILE	130.00	130.00	115.70	115.70	OC21V	TOLUENE	
G157DMA	MW-157	03/07/2001	PROFILE	140.00	140.00	125.70	125.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G157DMA	MW-157	03/07/2001	PROFILE	140.00	140.00	125.70	125.70	OC21V	CHLOROFORM	
G157DMA	MW-157	03/07/2001	PROFILE	140.00	140.00	125.70	125.70	OC21V	TOLUENE	
G157DMD	MW-157	03/07/2001	PROFILE	140.00	140.00	125.70	125.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G157DMD	MW-157	03/07/2001	PROFILE	140.00	140.00	125.70	125.70	OC21V	CHLOROFORM	
G157DMD	MW-157	03/07/2001	PROFILE	140.00	140.00	125.70	125.70	OC21V	TOLUENE	
G157DNA	MW-157	03/09/2001	PROFILE	150.00	150.00	135.70	135.70	8330N	2,6-DINITROTOLUENE	NO
G157DNA	MW-157	03/09/2001	PROFILE	150.00	150.00	135.70	135.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G157DNA	MW-157	03/09/2001	PROFILE	150.00	150.00	135.70	135.70	8330N	NITROGLYCERIN	NO
G157DNA	MW-157	03/09/2001	PROFILE	150.00	150.00	135.70	135.70	8330N	PICRIC ACID	NO

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SBD = SAMPLE COLLECTION BEGIN DEPTH IN FEET BGS
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TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 2/16/01-03/31/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G157DNA	MW-157	03/09/2001	PROFILE	150.00	150.00	135.70	135.70	OC21V	ACETONE	
G157DNA	MW-157	03/09/2001	PROFILE	150.00	150.00	135.70	135.70	OC21V	CHLOROFORM	
G157DNA	MW-157	03/09/2001	PROFILE	150.00	150.00	135.70	135.70	OC21V	METHYL ETHYL KETONE (2-BUTA	
G157DNA	MW-157	03/09/2001	PROFILE	150.00	150.00	135.70	135.70	OC21V	TOLUENE	
G157DOA	MW-157	03/09/2001	PROFILE	160.00	160.00	145.70	145.70	8330N	2,6-DINITROTOLUENE	NO
G157DOA	MW-157	03/09/2001	PROFILE	160.00	160.00	145.70	145.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G157DOA	MW-157	03/09/2001	PROFILE	160.00	160.00	145.70	145.70	8330N	NITROGLYCERIN	NO
G157DOA	MW-157	03/09/2001	PROFILE	160.00	160.00	145.70	145.70	8330N	PICRIC ACID	NO
G157DOA	MW-157	03/09/2001	PROFILE	160.00	160.00	145.70	145.70	OC21V	ACETONE	
G157DOA	MW-157	03/09/2001	PROFILE	160.00	160.00	145.70	145.70	OC21V	CHLOROFORM	
G157DOA	MW-157	03/09/2001	PROFILE	160.00	160.00	145.70	145.70	OC21V	CHLOROMETHANE	
G157DOA	MW-157	03/09/2001	PROFILE	160.00	160.00	145.70	145.70	OC21V	METHYL ETHYL KETONE (2-BUTA	
G157DOA	MW-157	03/09/2001	PROFILE	160.00	160.00	145.70	145.70	OC21V	TOLUENE	
G157DOA	MW-157	03/09/2001	PROFILE	160.00	160.00	145.70	145.70	OC21V	XYLENES, TOTAL	
G157DPA	MW-157	03/09/2001	PROFILE	170.00	170.00	155.70	155.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G157DPA	MW-157	03/09/2001	PROFILE	170.00	170.00	155.70	155.70	8330N	NITROGLYCERIN	NO
G157DPA	MW-157	03/09/2001	PROFILE	170.00	170.00	155.70	155.70	8330N	PICRIC ACID	NO
G157DPA	MW-157	03/09/2001	PROFILE	170.00	170.00	155.70	155.70	OC21V	ACETONE	
G157DPA	MW-157	03/09/2001	PROFILE	170.00	170.00	155.70	155.70	OC21V	CHLOROFORM	
G157DPA	MW-157	03/09/2001	PROFILE	170.00	170.00	155.70	155.70	OC21V	TOLUENE	
G157DQA	MW-157	03/09/2001	PROFILE	180.00	180.00	165.70	165.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G157DQA	MW-157	03/09/2001	PROFILE	180.00	180.00	165.70	165.70	8330N	PICRIC ACID	NO
G157DQA	MW-157	03/09/2001	PROFILE	180.00	180.00	165.70	165.70	OC21V	ACETONE	
G157DQA	MW-157	03/09/2001	PROFILE	180.00	180.00	165.70	165.70	OC21V	TOLUENE	
G157DQD	MW-157	03/09/2001	PROFILE	180.00	180.00	165.70	165.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G157DQD	MW-157	03/09/2001	PROFILE	180.00	180.00	165.70	165.70	8330N	PICRIC ACID	NO
G157DQD	MW-157	03/09/2001	PROFILE	180.00	180.00	165.70	165.70	OC21V	ACETONE	
G157DQD	MW-157	03/09/2001	PROFILE	180.00	180.00	165.70	165.70	OC21V	CHLOROMETHANE	
G157DQD	MW-157	03/09/2001	PROFILE	180.00	180.00	165.70	165.70	OC21V	TOLUENE	
G157DRA	MW-157	03/09/2001	PROFILE	190.00	190.00	175.70	175.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G157DRA	MW-157	03/09/2001	PROFILE	190.00	190.00	175.70	175.70	8330N	NITROGLYCERIN	NO
G157DRA	MW-157	03/09/2001	PROFILE	190.00	190.00	175.70	175.70	OC21V	ACETONE	

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(UNVALIDATED)
SAMPLES COLLECTED 2/16/01-03/31/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G157DRA	MW-157	03/09/2001	PROFILE	190.00	190.00	175.70	175.70	OC21V	TOLUENE	
G157DSA	MW-157	03/09/2001	PROFILE	200.00	200.00	185.70	185.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G157DSA	MW-157	03/09/2001	PROFILE	200.00	200.00	185.70	185.70	8330N	NITROGLYCERIN	NO
G157DSA	MW-157	03/09/2001	PROFILE	200.00	200.00	185.70	185.70	8330N	PICRIC ACID	NO
G157DSA	MW-157	03/09/2001	PROFILE	200.00	200.00	185.70	185.70	OC21V	ACETONE	
G157DSA	MW-157	03/09/2001	PROFILE	200.00	200.00	185.70	185.70	OC21V	TOLUENE	
G157DTA	MW-157	03/09/2001	PROFILE	210.00	210.00	195.70	195.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G157DTA	MW-157	03/09/2001	PROFILE	210.00	210.00	195.70	195.70	8330N	PICRIC ACID	NO
G157DTA	MW-157	03/09/2001	PROFILE	210.00	210.00	195.70	195.70	OC21V	ACETONE	
G157DTA	MW-157	03/09/2001	PROFILE	210.00	210.00	195.70	195.70	OC21V	METHYL ETHYL KETONE (2-BUTA	
G157DTA	MW-157	03/09/2001	PROFILE	210.00	210.00	195.70	195.70	OC21V	TOLUENE	
G157DTA	MW-157	03/09/2001	PROFILE	210.00	210.00	195.70	195.70	OC21V	XYLENES, TOTAL	
G157DUA	MW-157	03/12/2001	PROFILE	220.00	220.00	205.70	205.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G157DUA	MW-157	03/12/2001	PROFILE	220.00	220.00	205.70	205.70	8330N	PICRIC ACID	NO
G157DUA	MW-157	03/12/2001	PROFILE	220.00	220.00	205.70	205.70	OC21V	ACETONE	
G157DUA	MW-157	03/12/2001	PROFILE	220.00	220.00	205.70	205.70	OC21V	CHLOROETHANE	
G157DUA	MW-157	03/12/2001	PROFILE	220.00	220.00	205.70	205.70	OC21V	CHLOROMETHANE	
G157DUA	MW-157	03/12/2001	PROFILE	220.00	220.00	205.70	205.70	OC21V	TOLUENE	
G158DAA	MW-158	03/12/2001	PROFILE	110.00	110.00	18.60	18.60	8330N	NITROGLYCERIN	NO
G158DAA	MW-158	03/12/2001	PROFILE	110.00	110.00	18.60	18.60	8330N	PICRIC ACID	NO
G158DAA	MW-158	03/12/2001	PROFILE	110.00	110.00	18.60	18.60	OC21V	ACETONE	
G158DAA	MW-158	03/12/2001	PROFILE	110.00	110.00	18.60	18.60	OC21V	CHLOROFORM	
G158DAA	MW-158	03/12/2001	PROFILE	110.00	110.00	18.60	18.60	OC21V	METHYL ETHYL KETONE (2-BUTA	
G158DBA	MW-158	03/12/2001	PROFILE	120.00	120.00	28.60	28.60	OC21V	ACETONE	
G158DCA	MW-158	03/12/2001	PROFILE	130.00	130.00	38.60	38.60	OC21V	ACETONE	
G158DCA	MW-158	03/12/2001	PROFILE	130.00	130.00	38.60	38.60	OC21V	METHYL ETHYL KETONE (2-BUTA	
G158DCD	MW-158	03/12/2001	PROFILE	130.00	130.00	38.60	38.60	8330N	2,6-DINITROTOLUENE	NO
G158DCD	MW-158	03/12/2001	PROFILE	130.00	130.00	38.60	38.60	OC21V	ACETONE	
G158DCD	MW-158	03/12/2001	PROFILE	130.00	130.00	38.60	38.60	OC21V	CARBON DISULFIDE	
G158DCD	MW-158	03/12/2001	PROFILE	130.00	130.00	38.60	38.60	OC21V	METHYL ETHYL KETONE (2-BUTA	
G158DDA	MW-158	03/12/2001	PROFILE	140.00	140.00	48.60	48.60	8330N	NITROGLYCERIN	NO
G158DDA	MW-158	03/12/2001	PROFILE	140.00	140.00	48.60	48.60	OC21V	ACETONE	

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(UNVALIDATED)
SAMPLES COLLECTED 2/16/01-03/31/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G158DDA	MW-158	03/12/2001	PROFILE	140.00	140.00	48.60	48.60	OC21V	CHLOROFORM	
G158DDA	MW-158	03/12/2001	PROFILE	140.00	140.00	48.60	48.60	OC21V	CHLOROMETHANE	
G158DDA	MW-158	03/12/2001	PROFILE	140.00	140.00	48.60	48.60	OC21V	METHYL ETHYL KETONE (2-BUTA	
G158DEA	MW-158	03/12/2001	PROFILE	150.00	150.00	58.60	58.60	8330N	2,6-DINITROTOLUENE	NO
G158DEA	MW-158	03/12/2001	PROFILE	150.00	150.00	58.60	58.60	8330N	NITROGLYCERIN	NO
G158DEA	MW-158	03/12/2001	PROFILE	150.00	150.00	58.60	58.60	8330N	PICRIC ACID	NO
G158DEA	MW-158	03/12/2001	PROFILE	150.00	150.00	58.60	58.60	OC21V	ACETONE	
G158DEA	MW-158	03/12/2001	PROFILE	150.00	150.00	58.60	58.60	OC21V	CHLOROFORM	
G158DEA	MW-158	03/12/2001	PROFILE	150.00	150.00	58.60	58.60	OC21V	CHLOROMETHANE	
G158DEA	MW-158	03/12/2001	PROFILE	150.00	150.00	58.60	58.60	OC21V	METHYL ETHYL KETONE (2-BUTA	
G158DFA	MW-158	03/13/2001	PROFILE	160.00	160.00	68.60	68.60	8330N	NITROGLYCERIN	NO
G158DFA	MW-158	03/13/2001	PROFILE	160.00	160.00	68.60	68.60	8330N	PICRIC ACID	NO
G158DFA	MW-158	03/13/2001	PROFILE	160.00	160.00	68.60	68.60	OC21V	ACETONE	
G158DFA	MW-158	03/13/2001	PROFILE	160.00	160.00	68.60	68.60	OC21V	CHLOROFORM	
G158DFA	MW-158	03/13/2001	PROFILE	160.00	160.00	68.60	68.60	OC21V	CHLOROMETHANE	
G158DGA	MW-158	03/13/2001	PROFILE	170.00	170.00	78.60	78.60	OC21V	ACETONE	
G158DGA	MW-158	03/13/2001	PROFILE	170.00	170.00	78.60	78.60	OC21V	CHLOROFORM	
G158DHA	MW-158	03/13/2001	PROFILE	180.00	180.00	88.60	88.60	OC21V	ACETONE	
G158DHA	MW-158	03/13/2001	PROFILE	180.00	180.00	88.60	88.60	OC21V	CHLOROFORM	
G158DHA	MW-158	03/13/2001	PROFILE	180.00	180.00	88.60	88.60	OC21V	CHLOROMETHANE	
G158DHA	MW-158	03/13/2001	PROFILE	180.00	180.00	88.60	88.60	OC21V	METHYL ETHYL KETONE (2-BUTA	
G158DIA	MW-158	03/13/2001	PROFILE	190.00	190.00	98.60	98.60	OC21V	ACETONE	
G158DIA	MW-158	03/13/2001	PROFILE	190.00	190.00	98.60	98.60	OC21V	CHLOROFORM	
G158DIA	MW-158	03/13/2001	PROFILE	190.00	190.00	98.60	98.60	OC21V	CHLOROMETHANE	
G158DIA	MW-158	03/13/2001	PROFILE	190.00	190.00	98.60	98.60	OC21V	METHYL ETHYL KETONE (2-BUTA	
G158DJA	MW-158	03/13/2001	PROFILE	200.00	200.00	108.60	108.60	8330N	PICRIC ACID	NO
G158DJA	MW-158	03/13/2001	PROFILE	200.00	200.00	108.60	108.60	OC21V	ACETONE	
G158DJA	MW-158	03/13/2001	PROFILE	200.00	200.00	108.60	108.60	OC21V	CHLOROMETHANE	
G158DJA	MW-158	03/13/2001	PROFILE	200.00	200.00	108.60	108.60	OC21V	METHYL ETHYL KETONE (2-BUTA	
G158DKA	MW-158	03/13/2001	PROFILE	210.00	210.00	118.60	118.60	OC21V	ACETONE	
G158DKA	MW-158	03/13/2001	PROFILE	210.00	210.00	118.60	118.60	OC21V	CHLOROFORM	
G158DKA	MW-158	03/13/2001	PROFILE	210.00	210.00	118.60	118.60	OC21V	CHLOROMETHANE	

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(UNVALIDATED)
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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G158DLA	MW-158	03/13/2001	PROFILE	220.00	220.00	128.60	128.60	OC21V	ACETONE	
G158DMA	MW-158	03/13/2001	PROFILE	230.00	230.00	138.60	138.60	8330N	NITROGLYCERIN	NO
G158DMA	MW-158	03/13/2001	PROFILE	230.00	230.00	138.60	138.60	OC21V	CHLOROMETHANE	
G158DNA	MW-158	03/13/2001	PROFILE	240.00	240.00	148.60	148.60	OC21V	CHLOROMETHANE	
G158DOA	MW-158	03/13/2001	PROFILE	250.00	250.00	158.60	158.60	OC21V	CHLOROFORM	
G158DOA	MW-158	03/13/2001	PROFILE	250.00	250.00	158.60	158.60	OC21V	CHLOROMETHANE	
G158DPA	MW-158	03/13/2001	PROFILE	260.00	260.00	168.60	168.60	OC21V	CHLOROFORM	
G158DPA	MW-158	03/13/2001	PROFILE	260.00	260.00	168.60	168.60	OC21V	CHLOROMETHANE	
G158DQA	MW-158	03/13/2001	PROFILE	270.00	270.00	178.60	178.60	8330N	NITROGLYCERIN	NO
G158DQA	MW-158	03/13/2001	PROFILE	270.00	270.00	178.60	178.60	OC21V	ACETONE	
G158DQA	MW-158	03/13/2001	PROFILE	270.00	270.00	178.60	178.60	OC21V	CHLOROMETHANE	
G158DQD	MW-158	03/13/2001	PROFILE	270.00	270.00	178.60	178.60	8330N	NITROGLYCERIN	NO
G158DQD	MW-158	03/13/2001	PROFILE	270.00	270.00	178.60	178.60	OC21V	ACETONE	
G158DQD	MW-158	03/13/2001	PROFILE	270.00	270.00	178.60	178.60	OC21V	CHLOROMETHANE	
G158DRA	MW-158	03/14/2001	PROFILE	280.00	280.00	188.60	188.60	OC21V	CHLOROMETHANE	
G158DSA	MW-158	03/14/2001	PROFILE	290.00	290.00	198.60	198.60	OC21V	ACETONE	
G158DSA	MW-158	03/14/2001	PROFILE	290.00	290.00	198.60	198.60	OC21V	CHLOROFORM	
G158DSA	MW-158	03/14/2001	PROFILE	290.00	290.00	198.60	198.60	OC21V	CHLOROMETHANE	
G158DTA	MW-158	03/14/2001	PROFILE	300.00	300.00	208.60	208.60	OC21V	CHLOROMETHANE	
G158DUA	MW-158	03/14/2001	PROFILE	305.00	305.00	213.60	213.60	OC21V	CHLOROMETHANE	
G159DAA	MW-159	03/15/2001	PROFILE	130.00	130.00	1.50	1.50	8330N	2,6-DIAMINO-4-NITROTOLUENE	NO
G159DAA	MW-159	03/15/2001	PROFILE	130.00	130.00	1.50	1.50	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G159DAA	MW-159	03/15/2001	PROFILE	130.00	130.00	1.50	1.50	8330N	NITROGLYCERIN	NO
G159DAA	MW-159	03/15/2001	PROFILE	130.00	130.00	1.50	1.50	8330N	PICRIC ACID	NO
G159DFA	MW-159	03/20/2001	PROFILE	180.00	180.00	51.50	51.50	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G159DFA	MW-159	03/20/2001	PROFILE	180.00	180.00	51.50	51.50	8330N	PICRIC ACID	NO
GSB24AA	B-24	03/20/2001	PROFILE	36.50	36.50	4.50	4.50	8330N	3-NITROTOLUENE	NO
GSB24AA	B-24	03/20/2001	PROFILE	36.50	36.50	4.50	4.50	8330N	4-NITROTOLUENE	NO
GSB24AA	B-24	03/20/2001	PROFILE	36.50	36.50	4.50	4.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
GSB24AA	B-24	03/20/2001	PROFILE	36.50	36.50	4.50	4.50	8330N	NITROGLYCERIN	NO
GSB24AA	B-24	03/20/2001	PROFILE	36.50	36.50	4.50	4.50	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
GSB24AA	B-24	03/20/2001	PROFILE	36.50	36.50	4.50	4.50	OC21V	ACETONE	

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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
GSB24AA	B-24	03/20/2001	PROFILE	36.50	36.50	4.50	4.50	OC21V	CHLOROFORM	
GSB24AA	B-24	03/20/2001	PROFILE	36.50	36.50	4.50	4.50	OC21V	CHLOROMETHANE	
GSB24AA	B-24	03/20/2001	PROFILE	36.50	36.50	4.50	4.50	OC21V	TOLUENE	
GSB25AA	B-25	03/21/2001	PROFILE	36.00	36.00	4.00	4.00	8330N	1,3,5-TRINITROBENZENE	NO
GSB25AA	B-25	03/21/2001	PROFILE	36.00	36.00	4.00	4.00	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
GSB25AA	B-25	03/21/2001	PROFILE	36.00	36.00	4.00	4.00	8330N	3-NITROTOLUENE	NO
GSB25AA	B-25	03/21/2001	PROFILE	36.00	36.00	4.00	4.00	8330N	4-NITROTOLUENE	NO
GSB25AA	B-25	03/21/2001	PROFILE	36.00	36.00	4.00	4.00	8330N	NITROGLYCERIN	NO
GSB25AA	B-25	03/21/2001	PROFILE	36.00	36.00	4.00	4.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
GSB25AA	B-25	03/21/2001	PROFILE	36.00	36.00	4.00	4.00	8330N	PENTAERYTHRITOL TETRANITR/	NO
GSB25AA	B-25	03/21/2001	PROFILE	36.00	36.00	4.00	4.00	8330N	PICRIC ACID	NO
GSB25AA	B-25	03/21/2001	PROFILE	36.00	36.00	4.00	4.00	OC21V	ACETONE	
GSB25AA	B-25	03/21/2001	PROFILE	36.00	36.00	4.00	4.00	OC21V	CARBON DISULFIDE	
GSB25AA	B-25	03/21/2001	PROFILE	36.00	36.00	4.00	4.00	OC21V	CHLOROFORM	
HC79HD1AAA	79HD	03/20/2001	SOIL GRID	0.00	0.25			OM31P	DDE (1,1-BIS(CHLOROPHENYL)-2	
HC79HD1AAA	79HD	03/20/2001	SOIL GRID	0.00	0.25			OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2	
HC79HD1BAA	79HD	03/20/2001	SOIL GRID	0.25	0.50			OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2	
HC79HD1CAA	79HD	03/20/2001	SOIL GRID	0.50	1.00			OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2	
HC79HD1DAA	79HD	03/20/2001	SOIL GRID					OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2	
HC79HE1AAA	79HE	03/20/2001	SOIL GRID	0.00	0.25			OM31P	DDE (1,1-BIS(CHLOROPHENYL)-2	
HC79HE1AAA	79HE	03/20/2001	SOIL GRID	0.00	0.25			OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2	
HC79HE1BAA	79HE	03/20/2001	SOIL GRID	0.25	0.50			OM31P	DDE (1,1-BIS(CHLOROPHENYL)-2	
HC79HE1BAA	79HE	03/20/2001	SOIL GRID	0.25	0.50			OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2	
HC79HE1CAA	79HE	03/20/2001	SOIL GRID	0.50	1.00			OM31P	DDE (1,1-BIS(CHLOROPHENYL)-2	
HC79HE1CAA	79HE	03/20/2001	SOIL GRID	0.50	1.00			OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2	
HC79HE1DAA	79HE	03/20/2001	SOIL GRID					OM31P	DDE (1,1-BIS(CHLOROPHENYL)-2	
HC79HE1DAA	79HE	03/20/2001	SOIL GRID					OM31P	DDT (1,1-BIS(CHLOROPHENYL)-2	
HD130Y1AAA	130Y	03/15/2001	SOIL GRID	0.00	0.25			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
HD130Y1AAA	130Y	03/15/2001	SOIL GRID	0.00	0.25			8330N	NITROGLYCERIN	NO
HD130Y1AAA	130Y	03/15/2001	SOIL GRID	0.00	0.25			8330N	PICRIC ACID	NO
HDJ2M7LAWESS	J2M7LAWESS09	02/28/2001	CRATER GRID	0.00	0.25			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
HDJ2M7LAWESS	J2M7LAWESS12	02/28/2001	CRATER GRID	0.00	0.25			8330N	NITROGLYCERIN	NO

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(UNVALIDATED)
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HDJ2M7LAWESS	J2M7LAWESS12	02/28/2001	CRATER GRID	0.00	0.25			8330N	PENTAERYTHRITOL TETRANITR/	NO
HDJ2M7LAWESS	J2M7LAWESS12	02/28/2001	CRATER GRID	0.00	0.25			8330N	PICRIC ACID	NO
HDP19105MM5S:	P19105MM5SS10	02/28/2001	CRATER GRID	0.00	0.25			8330N	2,4,6-TRINITROTOLUENE	YES
HDP19105MM5S:	P19105MM5SS10	02/28/2001	CRATER GRID	0.00	0.25			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
HDP19105MM5S:	P19105MM5SS10	02/28/2001	CRATER GRID	0.00	0.25			8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
HDP19105MM5S:	P19105MM5SS12	02/28/2001	CRATER GRID	0.00	0.25			8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
PWPPC11MR1A	RRA CONTAINMENT	03/11/2001	IDW					8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W114M1A	MW-114	03/14/2001	GROUNDWATER	180.00	190.00	96.50	106.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W114M2A	MW-114	03/14/2001	GROUNDWATER	120.00	130.00	36.50	46.50	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
W114M2A	MW-114	03/14/2001	GROUNDWATER	120.00	130.00	36.50	46.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W114M2A	MW-114	03/14/2001	GROUNDWATER	120.00	130.00	36.50	46.50	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W129M1A	MW-129	03/14/2001	GROUNDWATER	136.00	146.00	62.94	72.94	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W129M2A	MW-129	03/14/2001	GROUNDWATER	116.00	126.00	42.90	52.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES

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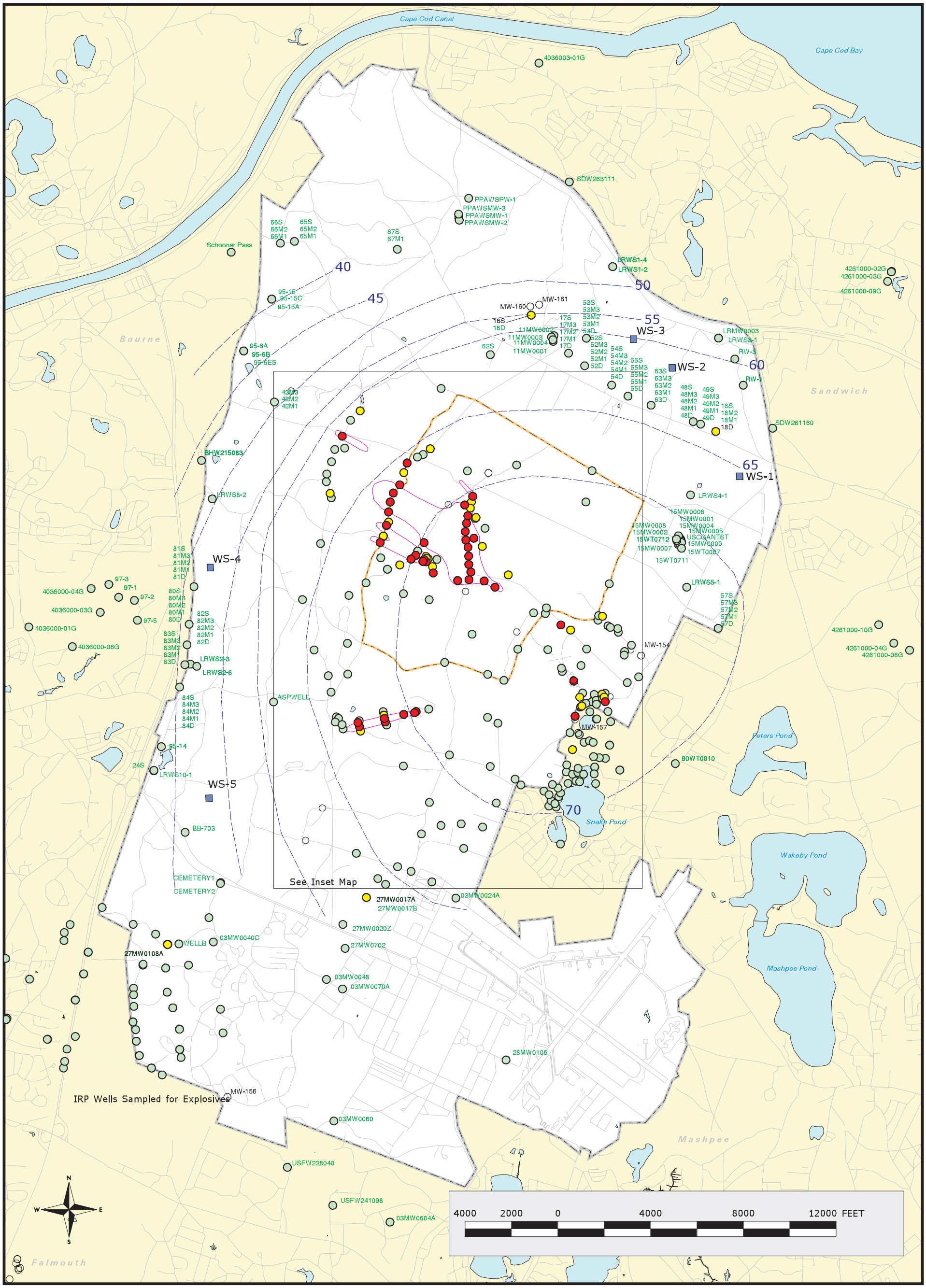

LEGEND

- 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 April 05, 2001 DRAFT

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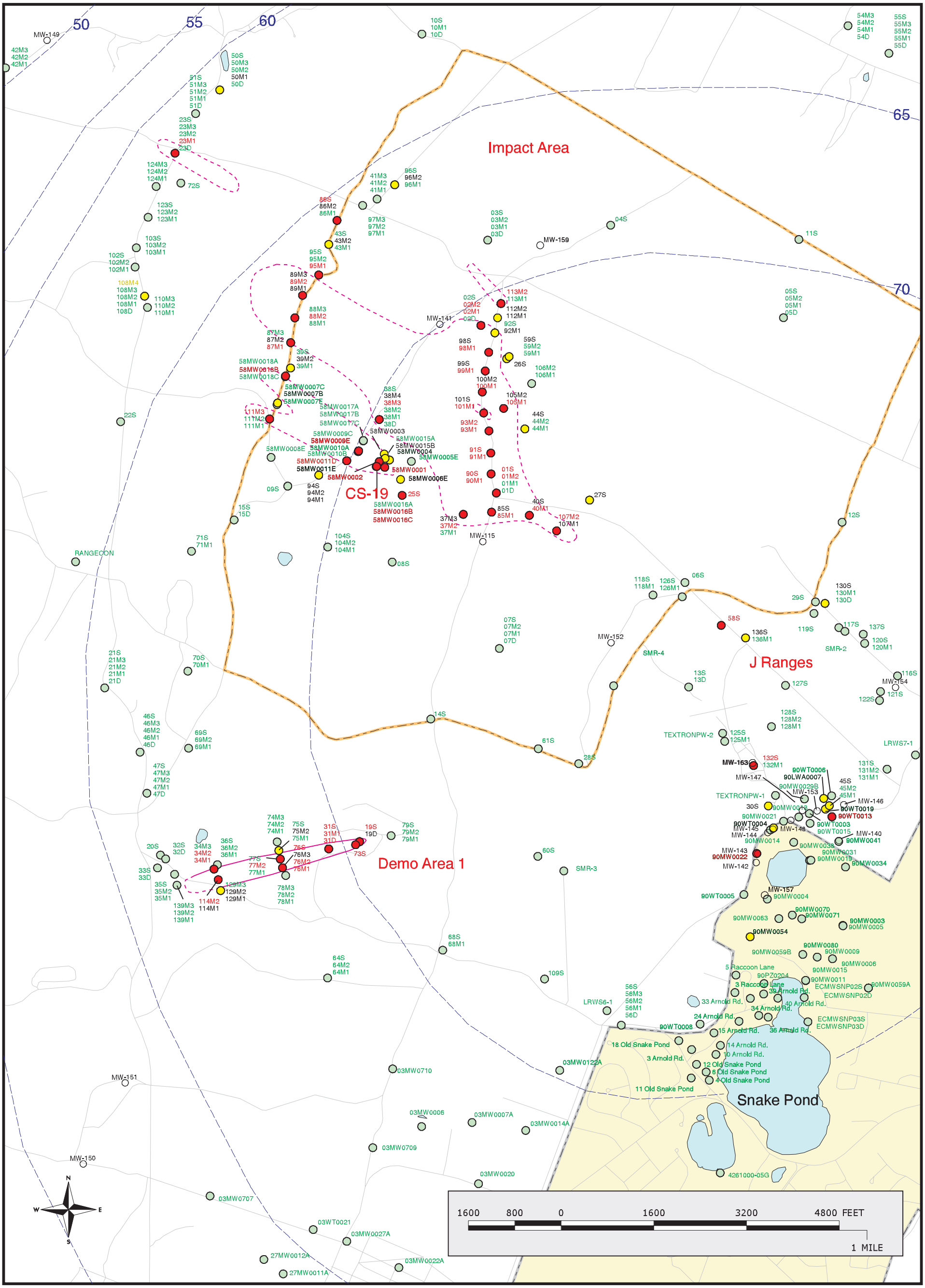
Figure 1

Explosives in Groundwater Compared to MCL/HAs Validated Data as of 03/30/01

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 April 05, 2001 DRAFT

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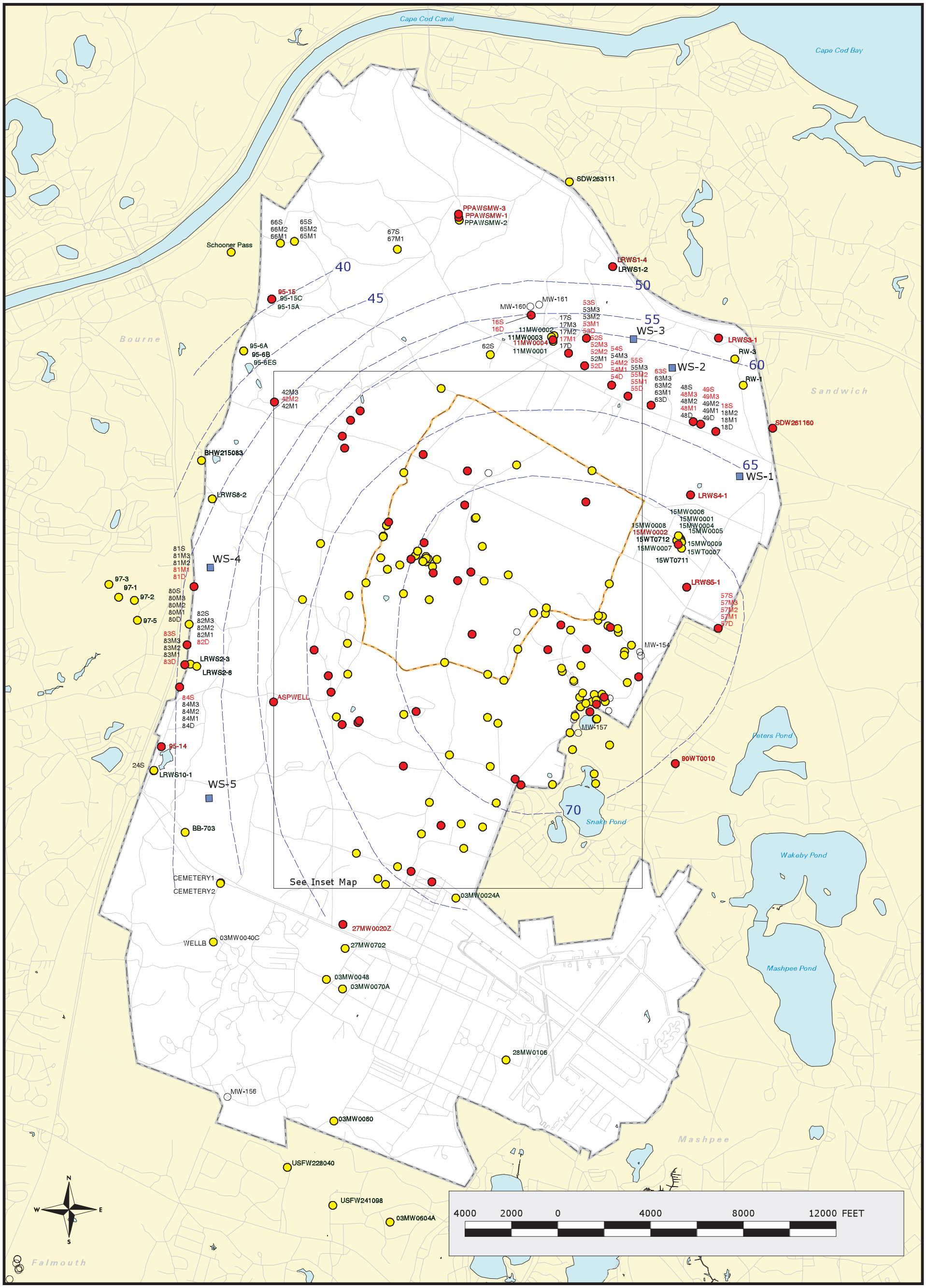
Figure 1 - INSET MAP

Explosives in Groundwater Compared to MCL/HAs Validated Data as of 03/30/01

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 April 05, 2001 DRAFT

Figure 2

Metals in Groundwater Compared to MCL/HAs Validated Data as of 03/30/01

Analyte Group
2

g:\mmr\ai\amls\work\monthly\april2001\metals

Impact Area

Snake Pond

RANGECON

SMR-2 SMR-3 SMR-4

MW-152 MW-159 MW-163 MW-157

TEXTRONPW-1 TEXTRONPW-2

LRWS6-1 LRWS7-1

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

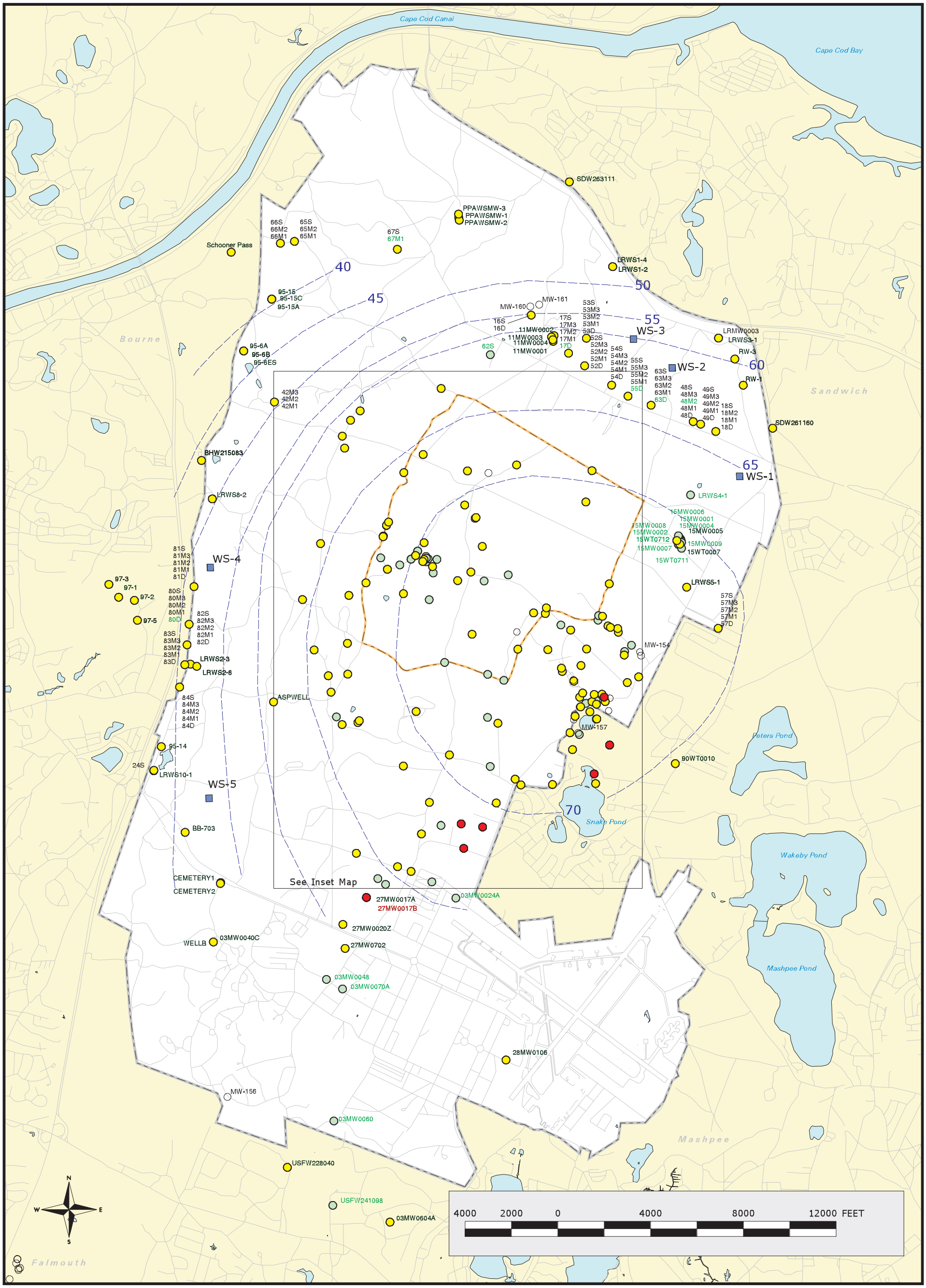
amec April 05, 2001 DRAFT

Figure 2 - INSET MAP

Metals in Groundwater Compared to MCL/HAs Validated Data as of 03/30/01

Analyte Group
2

g:\mmr\ai\amls\work\monthly\april2001\metals



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

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Figure 3

VOCs in Groundwater Compared to MCL/HAs Validated Data as of 03/30/01

Analyte Group
3

g:\mmr\ai\amls\work\monthly\april2001\voc

Impact Area

Snake Pond

RANGECON

SMR-2

SMR-4

MW-159

MW-152

MW-163

MW-147

MW-153

MW-146

MW-145

MW-144

MW-148

MW-140

MW-143

MW-142

MW-157

TEXTRONPW-1

TEXTRONPW-2

LRWS6-1

LRWS7-1

50 55 60 65 70

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

41M3 41M2 41M1

43S 43M2 43M1

03S 03M2 03M1 03D

04S

11S

02S 02M2 02M1 02D

05S 05M2 05M1 05D

59S 59M2 59M1

26S

39S 39M2 39M1

58MW0018A 58MW0018B 58MW0018C

58MW0007C 58MW0007B 58MW0007E

22S

38S 38M4 38M3 38M2 38M1 38D

58MW0017A 58MW0017B 58MW0017C

58MW0009C 58MW0009E 58MW0010A 58MW0010B

58MW0003

58MW0015A 58MW0015B 58MW0004

58MW0008E

58MW0005E

58MW0011D 58MW0011E

58MW0002

58MW0001

58MW0006E

09S

94S 94M2 94M1

25S

58MW0016A 58MW0016B 58MW0016C

44S 44M2 44M1

01S 01M2 01M1 01D

27S

40S 40M1

37M3 37M2 37M1

15S 15D

71S 71M1

104S 104M2 104M1

08S

12S

118S 118M1

126S 126M1

06S

130S 130M1 130D

29S

58S

119S

117S

137S

136S 136M1

120S 120M1

07S 07M2 07M1 07D

21S 21M3 21M2 21M1 21D

70S 70M1

13S 13D

127S

116S

121S

122S

128S 128M2 128M1

125S 125M1

132S 132M1

131S 131M2 131M1

90LWA0007

90MW0029B

45S 45M2 45M1

30S

90MW0013

90MW0021

90WT0013

90WT0003

90WT0015

90MW0014

90MW0038

90MW0031

90MW0022

90MW0019

90WT0005

90MW0004

90MW0003 90MW0005

90MW0054

46S 46M3 46M2 46M1 46D

69S 69M2 69M1

14S

61S

28S

47S 47M3 47M2 47M1 47D

19S 19D

20S

36S 36M2 36M1

35S 35M2 35M1

34M3 34M2 34M1

60S

SMR-3

68S 68M1

64S 64M2 64M1

109S

56S 56M3 56M2 56M1 56D

90WT0008

ECMWSNP02S ECMWSNP02D

ECMWSNP03S ECMWSNP03D

03MW0122A

03MW0710

03MW0006

03MW0007A

03MW0014A

03MW0709

03MW0020

03MW0707

03WT0021

03MW0027A

27MW0012A

27MW0011A

03MW0022A

N W E S

1600 800 0 1600 3200 4800 FEET

1 MILE

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

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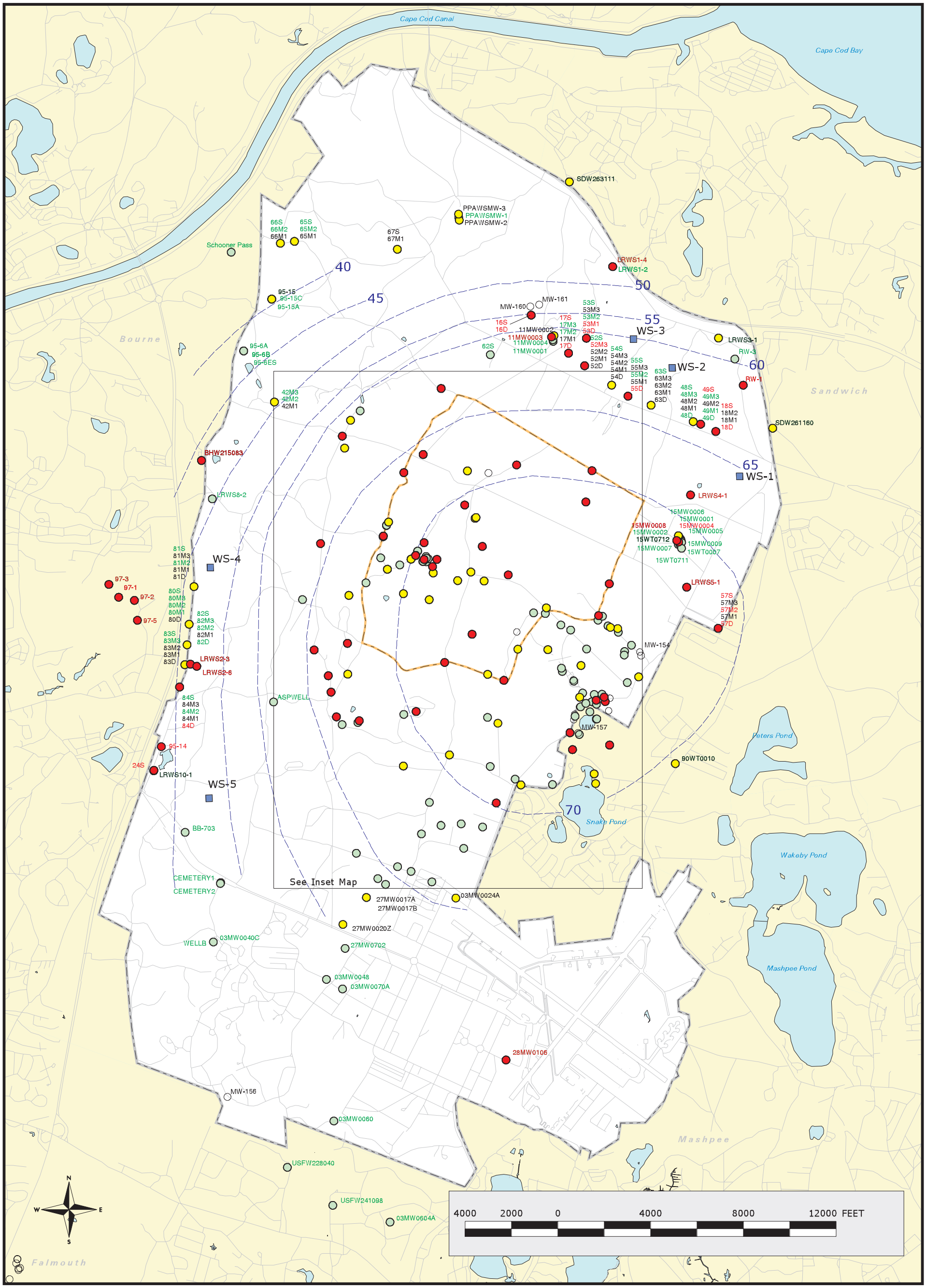
g:\mmr\ai\amls\work\monthly\april2001\voc

Figure 3 - INSET MAP

VOCs in Groundwater Compared to MCL/HAs Validated Data as of 03/30/01

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 April 05, 2001 DRAFT

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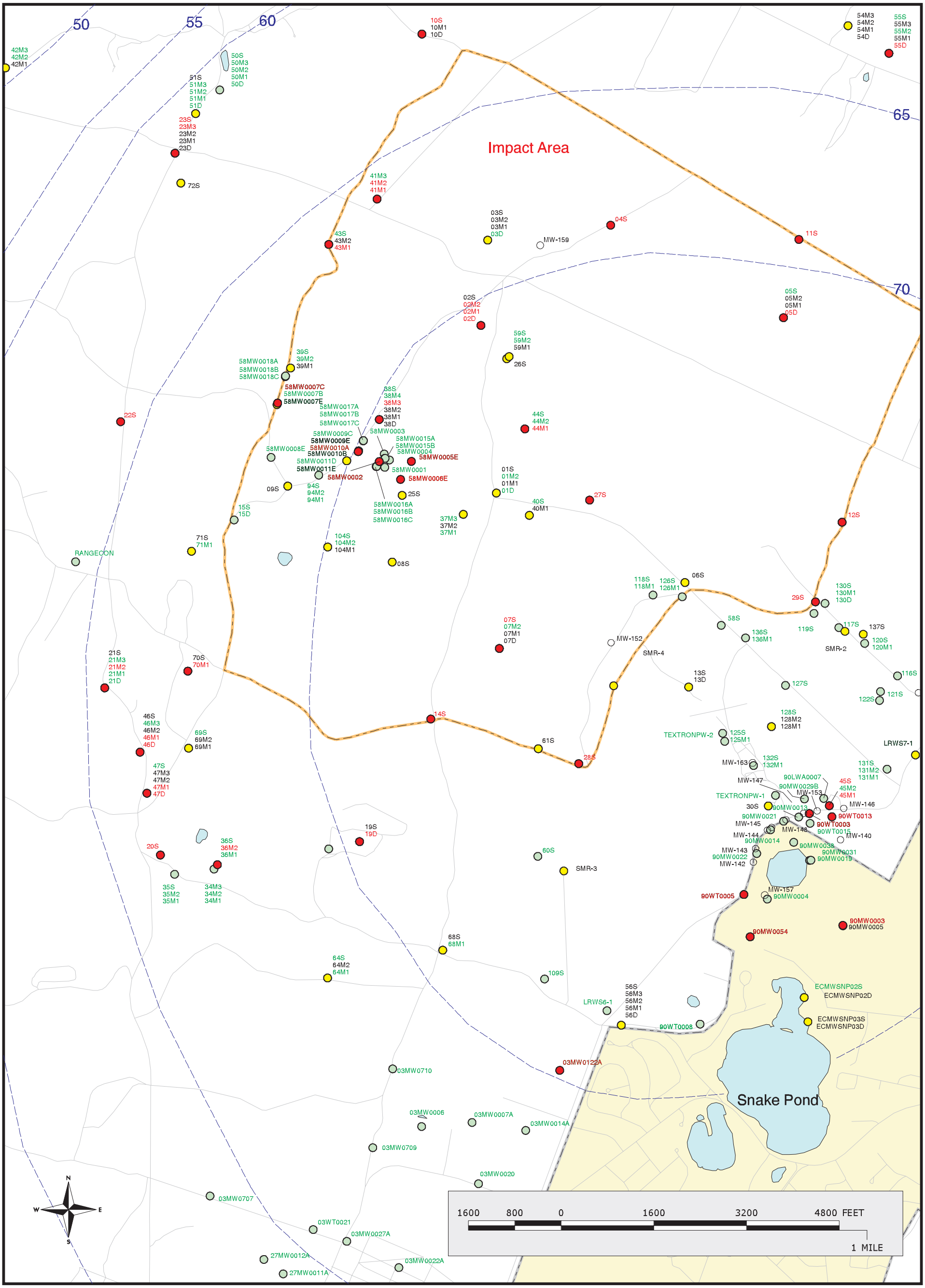
Figure 4

SVOCs in Groundwater Compared to MCL/HAs Validated Data as of 03/30/01

Analyte Group
4



LEGEND

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

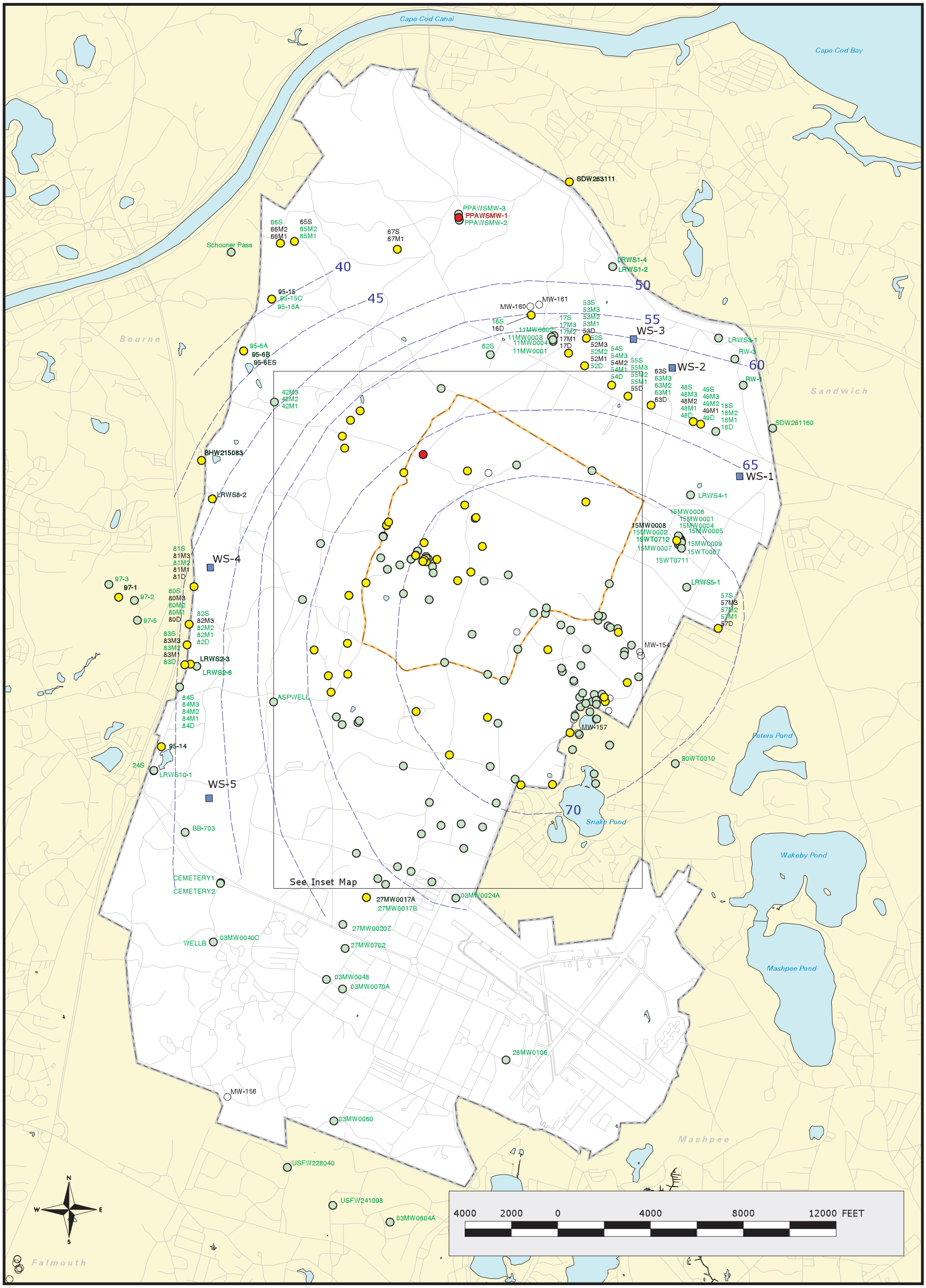
Sources & Notes

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

Figure 4 - INSET MAP

SVOCs in Groundwater Compared to MCL/HAs Validated Data as of 03/30/01

Analyte Group
4



LEGEND

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

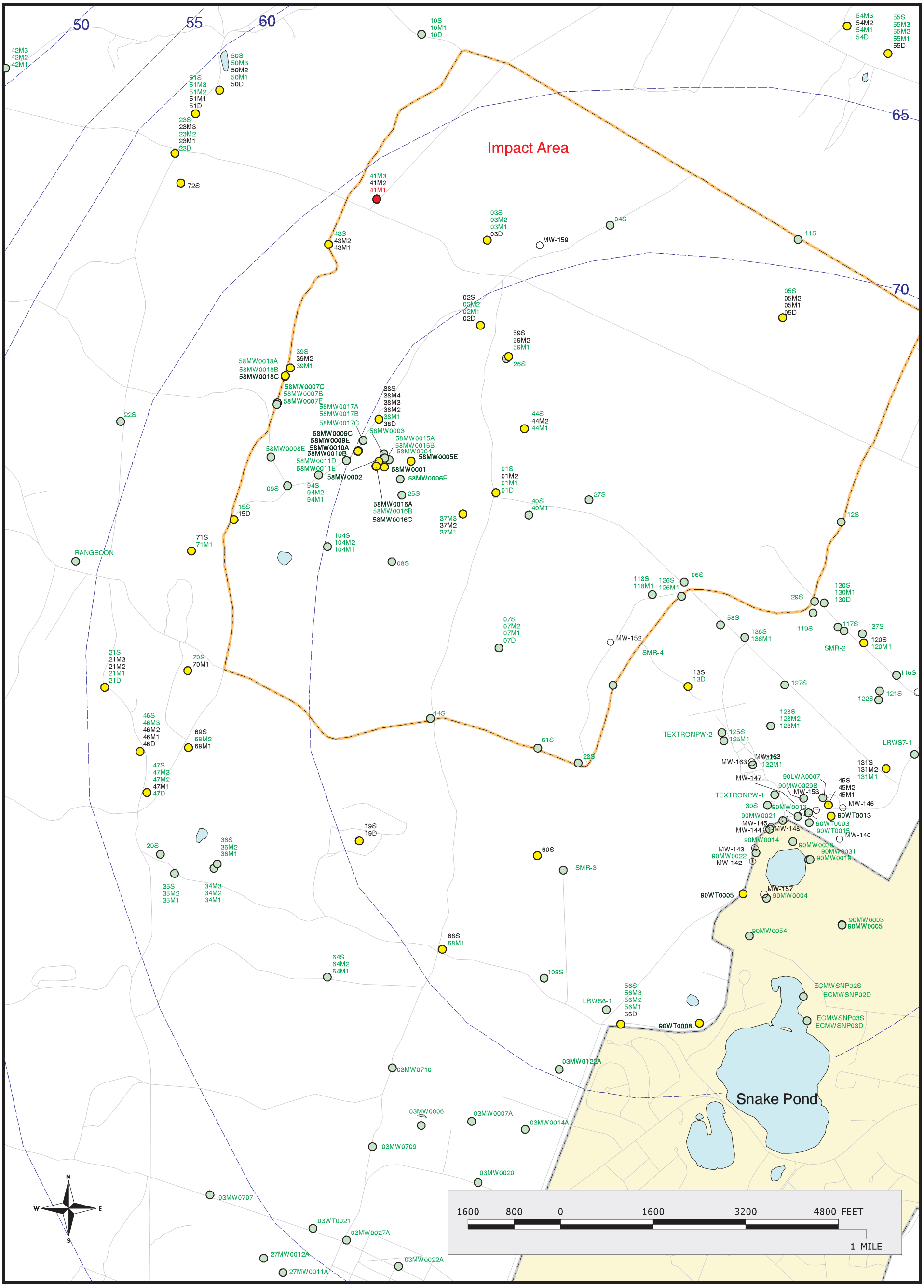
Sources & Notes

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 03/30/01

Analyte Group
5



LEGEND

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

Sources & Notes

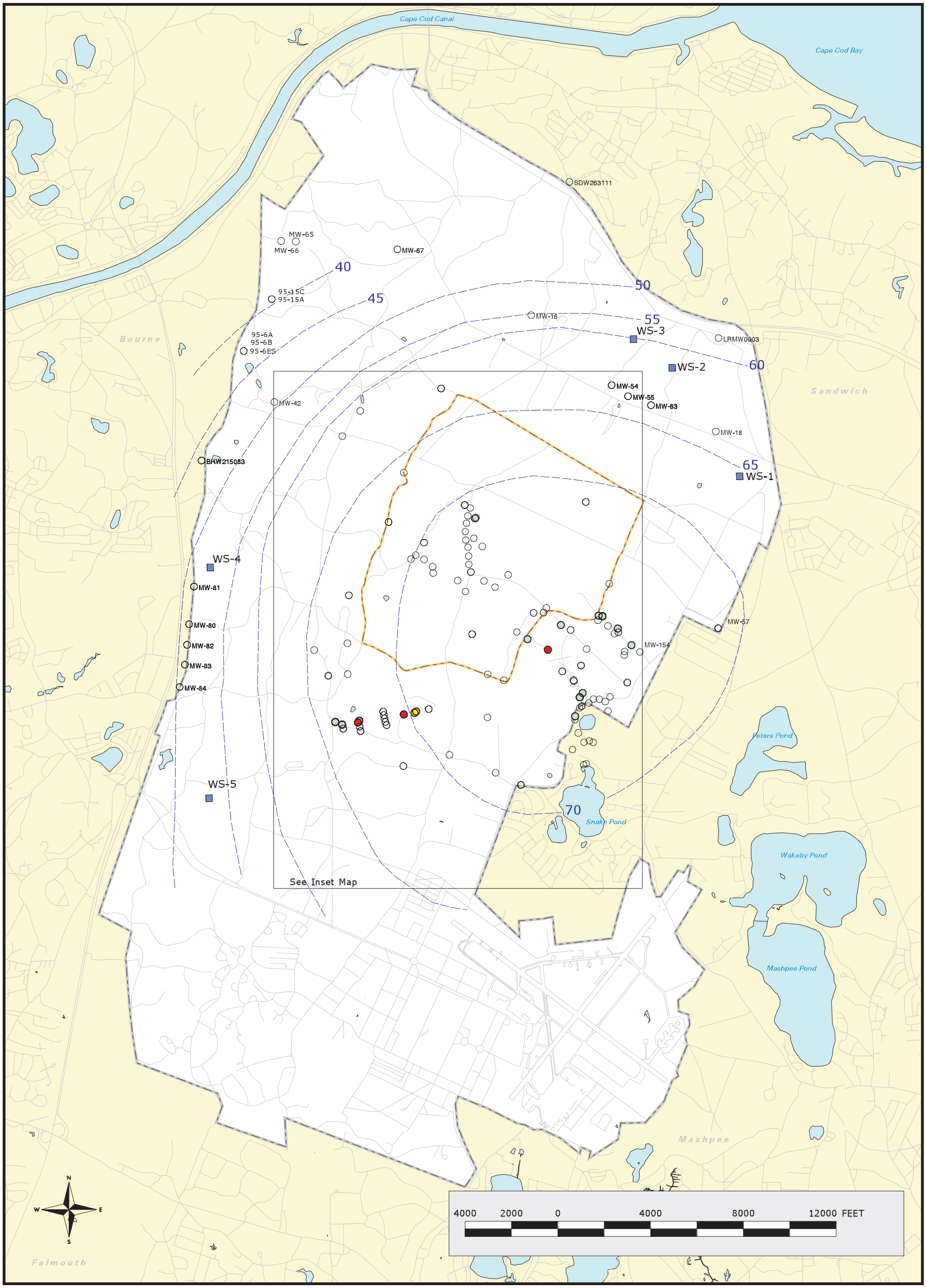
Base from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPZone 2001, Units: Meters

Figure 5 - INSET MAP

Herbicides and Pesticides in Groundwater Compared to MCL/HAs Validated Data as of 03/30/01

Analyte Group
5

g:\mmr\al\amls\work\monthly\april2001\pest



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 April 05, 2001 DRAFT

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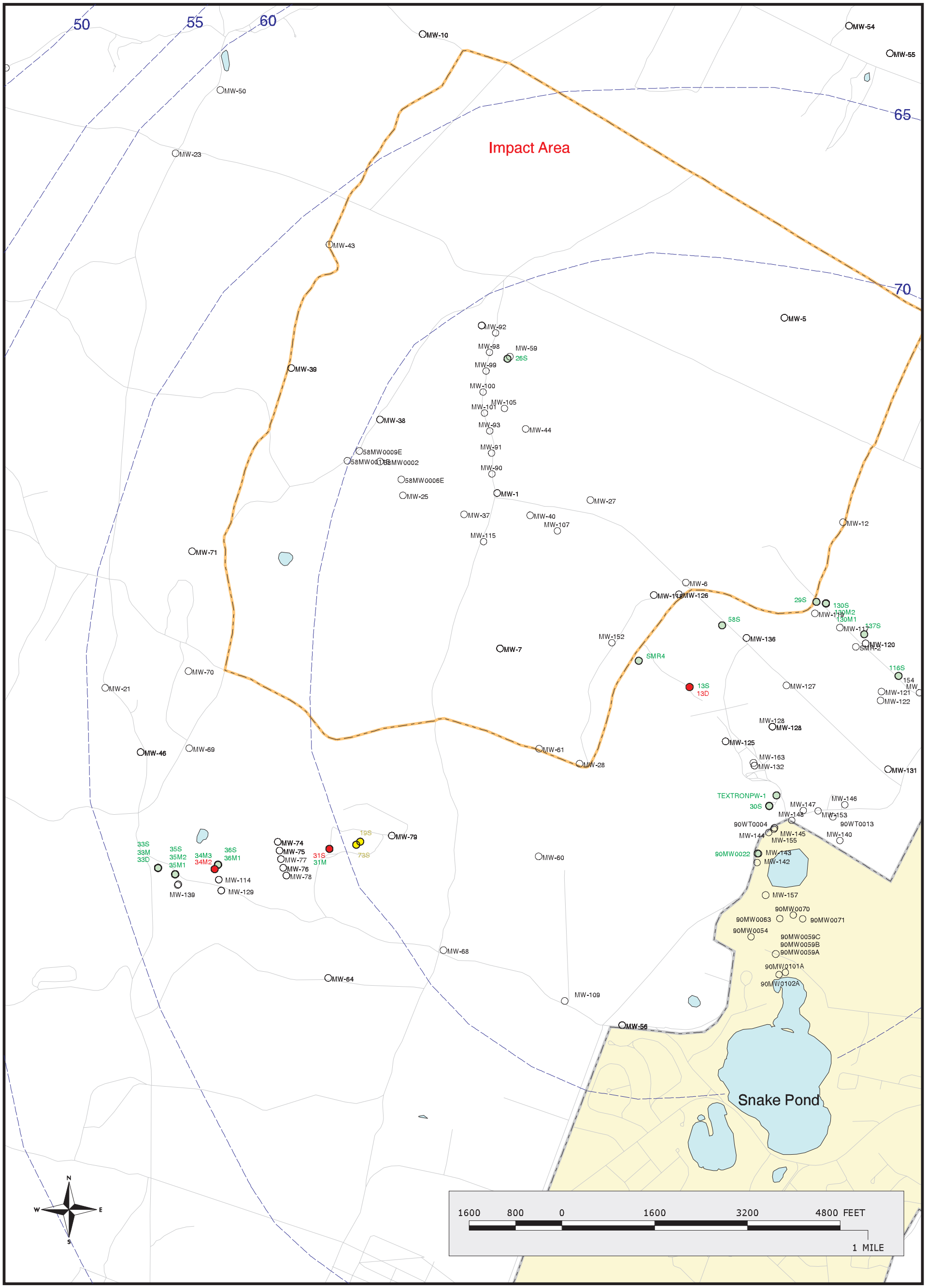
Figure 6 - INSET MAP

Perchlorate in Groundwater Compared to Safe Exposure Limit

Validated Data as of 03/30/01

Analyte Group
6



LEGEND

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

Sources & Notes

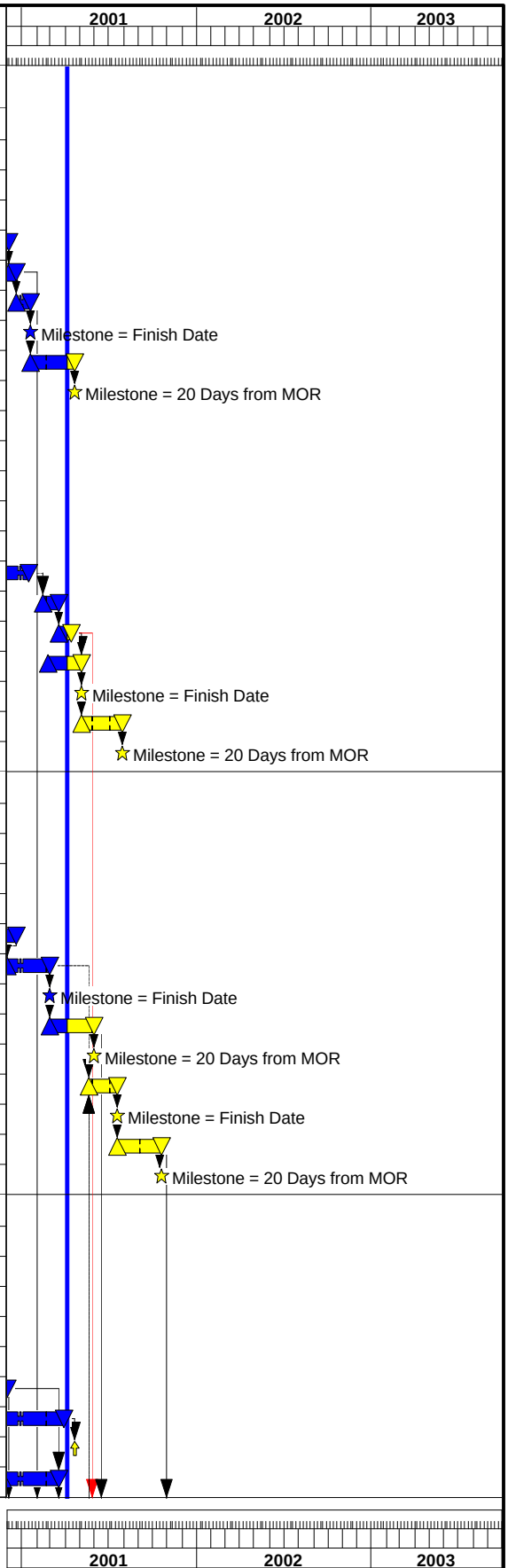
Base from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPZone 2001, Units: Meters

Figure 6

Perchlorate in Groundwater
Compared to Safe Exposure Limit
Validated Data as of 03/30/01

Analyte Group
6

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		11	19JAN01A	19APR01
00154	Demo 1 Final GW Report	YES	0		19APR01
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		7	19MAR01A	13APR01
00156	Demo 1 Prepare Draft Soil Report		21	26FEB01A	03MAY01
00157	Demo 1 Draft Soil Report	YES	0		03MAY01
00158	Demo 1 Revise Draft Soil Report		60	04MAY01	30JUL01
00159	Demo 1 Final Soil Report	YES	0		30JUL01
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		40	01MAR01A	31MAY01
00282	Response Plan Final Report (GW)	YES	0		31MAY01
00286	Prepare Draft Soil Report		40	21MAY01	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		18APR01
00370	J-2 Range Report Preparation		0	16NOV00A	16MAR01A



Project Start 29FEB00
Project Finish 25AUG05
Data Date 05APR01
Run Date 06APR01

Early Bar
Progress Bar

UBER

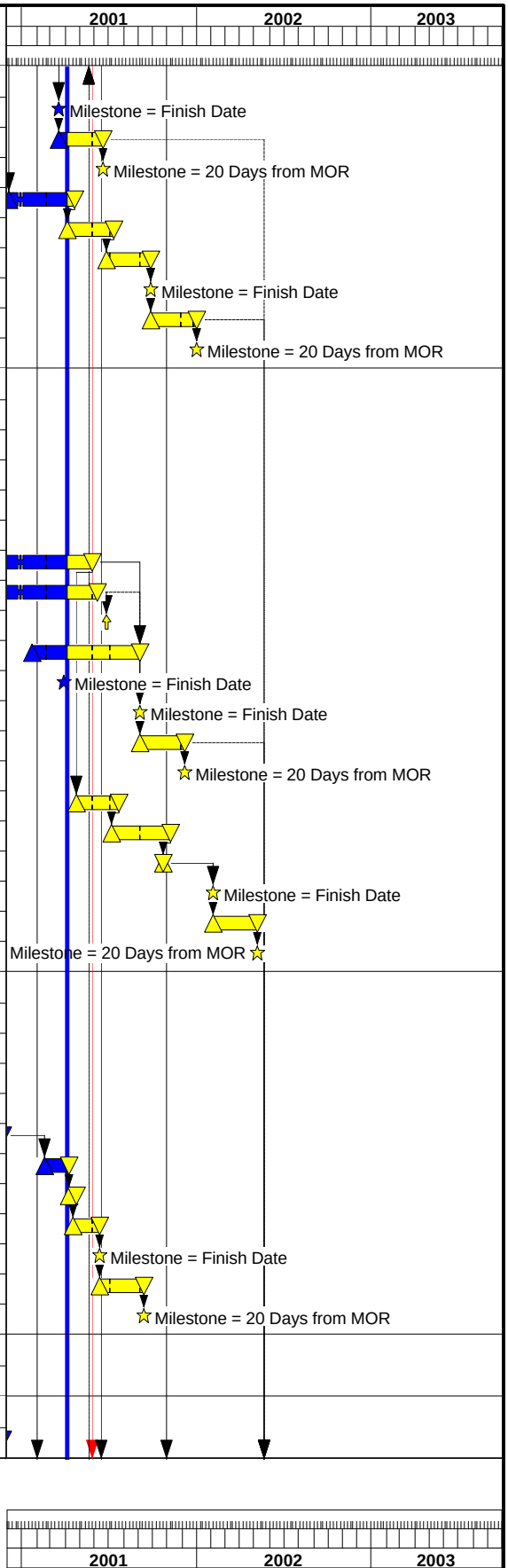
Sheet 1 of 8

DRAFT

Date	Revision	Checked	Approved

Figure 7. Combined Schedule for MMR Impact Area Groundwater Study Program as of 4/5/01

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		52	19MAR01A	18JUN01
00391	J-2 Range Final Report	YES	0		18JUN01
00392	Additional Delineation Planning		11	04DEC00A	19APR01
00393	Additional Delineation Investigation		69	05APR01	12JUL01
00394	Additional Delineation Report Prep.		65	27JUN01	27SEP01
00395	Additional Delineation Draft Report	YES	0		27SEP01
00396	Additional Delineation Rev. Draft Report		65	28SEP01	02JAN02
00397	Additional Delineation Final Report	YES	0		02JAN02
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		37	26JUL00A	25MAY01
00465	J-1/J-3 Range Geophys. Investigation		44	15MAY00A	06JUN01
00467	J-1/J-3 Range Geophys. Presentation		0		27JUN01
00470	J-1/J-3 Range Report Preparation		107	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		60	26APR01	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		4	16FEB01A	10APR01
00544	Gun/Mortar Rev/Apprv COCs		10	11APR01	24APR01
00546	Gun/Mortar Prepare Draft Final Report		40	17APR01	12JUN01
00548	Gun/Mortar Draft Final Report	YES	0		12JUN01
00549	Gun/Mortar Rev. Draft Final		65	13JUN01	13SEP01
00550	Gun/Mortar Final Report	YES	0		13SEP01
+ Trenches, Bunkers, Ground Scars					
			0	04OCT99A	18SEP00A
+ Mortar Targets					
			0	04OCT99A	16NOV00A



Project Start 29FEB00
Project Finish 25AUG05
Data Date 05APR01
Run Date 06APR01

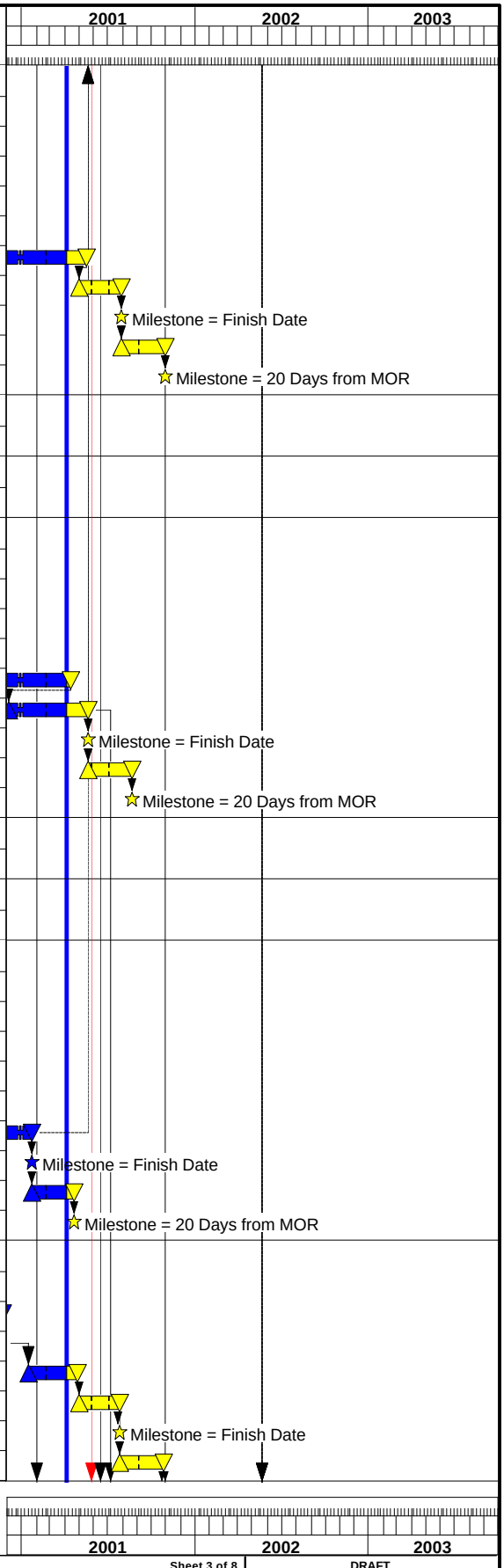
Early Bar
Progress Bar

UBER

Figure 7. Combined Schedule for MMR Impact Area Groundwater Study Program as of 4/5/01

DRAFT			
Date	Revision	Checked	Approved

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
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		29	20MAR00A	15MAY01
00870	Training Areas Report Preparation		62	02MAY01	30JUL01
00880	Training Areas Draft Report	YES	0		30JUL01
00890	Training Areas Rev. Draft Report		65	31JUL01	30OCT01
00895	Training Areas Final Report	YES	0		30OCT01
+ KD/U Ranges					
			0	10MAY99A	16JUN00A
+ J-3 Wetland					
			0	15APR99A	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
01160	HUTA Investigation		7	17JUL00A	13APR01
01170	HUTA Report Preparation		32	04DEC00A	18MAY01
01180	HUTA Draft Report	YES	0		18MAY01
01190	HUTA Revise Draft Report		65	21MAY01	21AUG01
01195	HUTA Final Report	YES	0		21AUG01
+ Water Bodies					
			0	19NOV99A	13JUL00A
+ Slit Trench					
			0	01MAY00A	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		10	23JAN01A	18APR01
01490	Targets Final Report (Phase 1)	YES	0		18APR01
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		17	15JAN01A	27APR01
01540	Phase II(b) Report Preparation		60	30APR01	24JUL01
01550	Phase II(b) Draft Report	YES	0		24JUL01
01560	Revise Draft Report		65	25JUL01	24OCT01



Project Start 29FEB00
Project Finish 25AUG05
Data Date 05APR01
Run Date 06APR01

Early Bar
Progress Bar

UBER

Sheet 3 of 8

Figure 7. Combined Schedule for MMR Impact Area Groundwater Study Program as of 4/5/01

DRAFT

Date	Revision	Checked	Approved

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Phase II(b)					
01570	Phase II(b) Final Report	YES	0		24OCT01
+ Fate and Transport Modeling					
			0	01JAN99A	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		82	28APR00A	31JUL01
08200	CY 2000 Interim LT Monitoring		0	02MAY00A	29DEC00A
+ Analytical Methods					
			0	05NOV98A	26JUN00A
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		61	30OCT00A	29JUN01
09310	Final Geophysics Report	YES	0		29JUN01
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		19	28FEB01A	01MAY01
Group 2 (Target 9, Former H Range)					
11110	RRA Workplan Addendum Prep		0	16JAN01A	31JAN01A
11120	Draft RRA Workplan Addendum	YES	0		31JAN01A

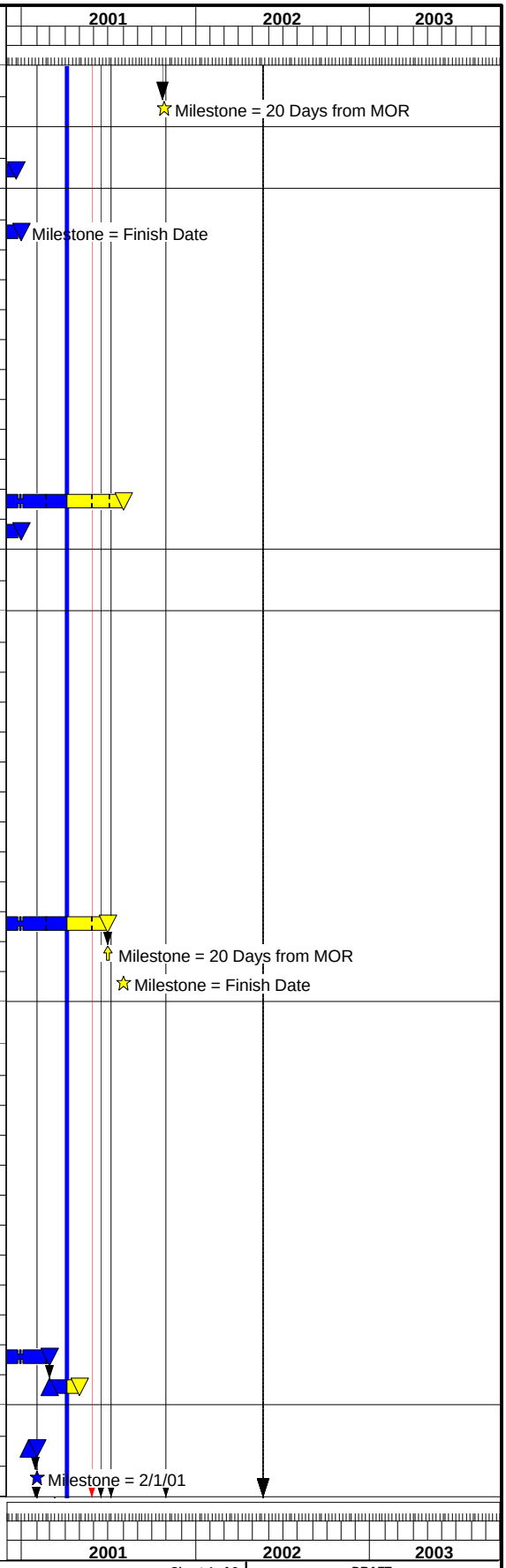


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Figure 7. Combined Schedule for MMR Impact Area Groundwater Study Program as of 4/5/01

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Group 2 (Target 9, Former H Range)					
11130	Revise Draft RRA Workplan Add.		0	01FEB01A	09MAR01A
11140	Final RRA Workplan Addendum		0		09MAR01A
11150	Agency Approval of Final WP		0	12MAR01A	16MAR01A
11160	Pre-RRA Implementation		12	29JAN01A	20APR01
11200	RRA Soil Removal		15	26MAR01A	25APR01
11210	RRA Soil Removal Complete	YES	0		25APR01
11220	RRA Site Restoration		13	14MAY01*	31MAY01
11230	RRA Site Restoration Complete	YES	0		31MAY01
11240	RRA Soil Treatment		46	23APR01	26JUN01
Feasibility Studies (AO3)					
+ FS Workplan					
			0	14FEB00A	15FEB01A
Demo Area 1					
Soil Operable Unit					
21170	FS Screening Report Preparation		36	19MAR01A	25MAY01
21180	Draft FS Screening Report	YES	0		25MAY01
21190	Revise Draft FS Screening Report		65	29MAY01	28AUG01
21200	Final FS Screening Report	YES	0		28AUG01
21210	Post-Screening Invest. Workplan Prep.		22	01AUG01	30AUG01
21220	Draft Post-Screening Invest. Workplan	YES	0		30AUG01
21230	Revise Draft PSI Workplan		65	31AUG01	04DEC01
21240	Final Post-Screening Workplan		0		04DEC01
21250	Start Post-Screening Investigation	YES	0	05NOV01	
21260	Post-Screening Investigation		80	05NOV01	28FEB02
21310	FS Preparation		40	01MAR02	25APR02
21320	Draft FS	YES	0		25APR02
21330	Revise Draft FS		65	26APR02	25JUL02
21340	Final FS	YES	0		25JUL02
21350	(Draft FS if no PSI)		40	01AUG01	26SEP01
21360	(Final FS if no PSI)		65	27SEP01	01JAN02
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		21	01FEB01A	03MAY01
21540	Final FS Screening Report	YES	0		03MAY01
21550	Post-Screening Invest. Workplan Prep.		22	06APR01	07MAY01
21560	Draft Post-Screening Invest. Workplan	YES	0		07MAY01
21570	Revise Draft PSI Workplan		65	08MAY01	08AUG01
21580	Final Post-Screening Workplan		0		08AUG01
21590	Start Post-Screening Investigation	YES	0	12JUL01	
21600	Post-Screening Investigation		80	12JUL01	01NOV01
21650	FS Preparation		40	02NOV01	02JAN02
21660	Draft FS	YES	0		02JAN02
21670	Revise Draft FS		65	03JAN02	03APR02
21680	Final FS	YES	0		03APR02

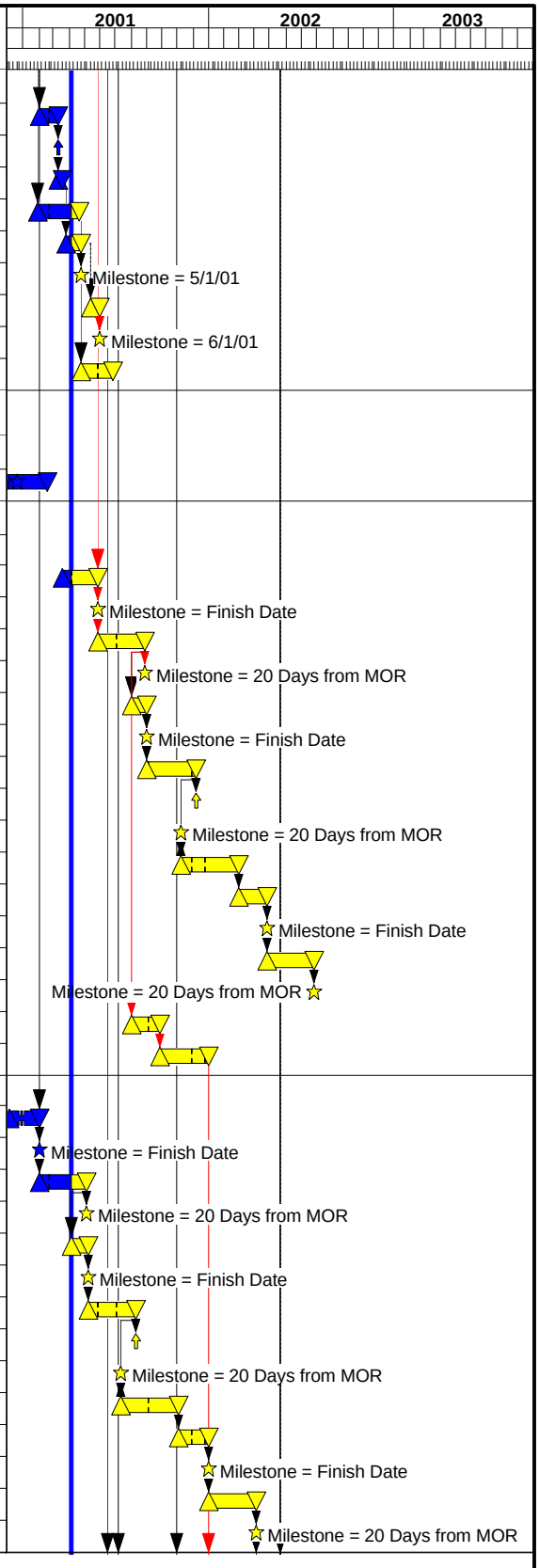

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Figure 7. Combined Schedule for MMR Impact Area Groundwater Study Program as of 4/5/01

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
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		40	19APR01	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	
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

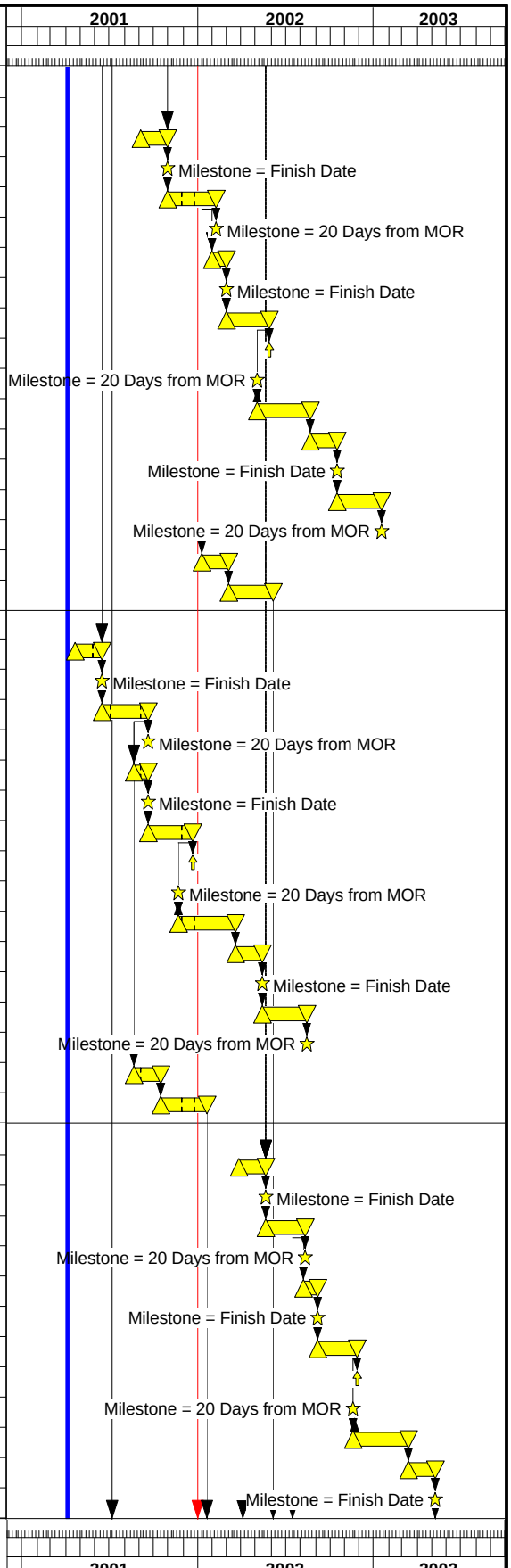

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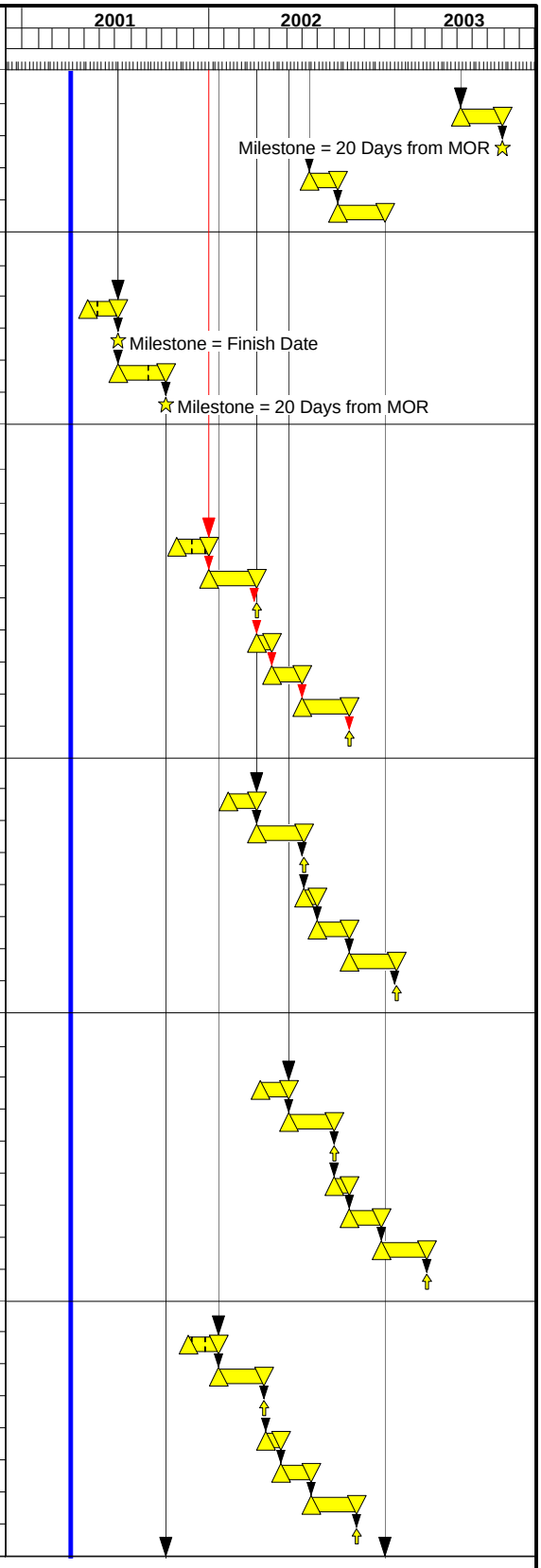
Figure 7. Combined Schedule for MMR Impact Area Groundwater Study Program as of 4/5/01

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
SE Corner of Ranges					
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
UXO					
HUTA1 Operable Unit					
24150	FS Preparation		40	10MAY01	06JUL01
24160	Draft FS	YES	0		06JUL01
24170	Revise Draft FS		65	09JUL01	08OCT01
24180	Final FS	YES	0		08OCT01
Remedy Selection (AO3)					
Demo Area 1					
Soil Operable Unit (if no PSI)					
31110	Prepare Draft Remedy Selection Plan		40	01NOV01	01JAN02
31120	Revise Draft Remedy Selection Plan		65	02JAN02	02APR02
31130	Remedy Selection Plan		0		02APR02
31140	Public Comment Period		21	03APR02	01MAY02
31150	Draft Decision Doc/ Response		44	02MAY02	02JUL02
31160	Revise Draft DD/RS		65	03JUL02	01OCT02
31170	Final Decision Doc/ Response		0		01OCT02
Groundwater Operable Unit					
31510	Prepare Draft Remedy Selection Plan		40	07FEB02	03APR02
31520	Revise Draft Remedy Selection Plan		65	04APR02	03JUL02
31530	Remedy Selection Plan		0		03JUL02
31540	Public Comment Period		21	04JUL02	01AUG02
31550	Draft Decision Doc/ Response		44	02AUG02	02OCT02
31560	Revise Draft DD/RS		65	03OCT02	01JAN03
31570	Final Decision Doc/ Response		0		01JAN03
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
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



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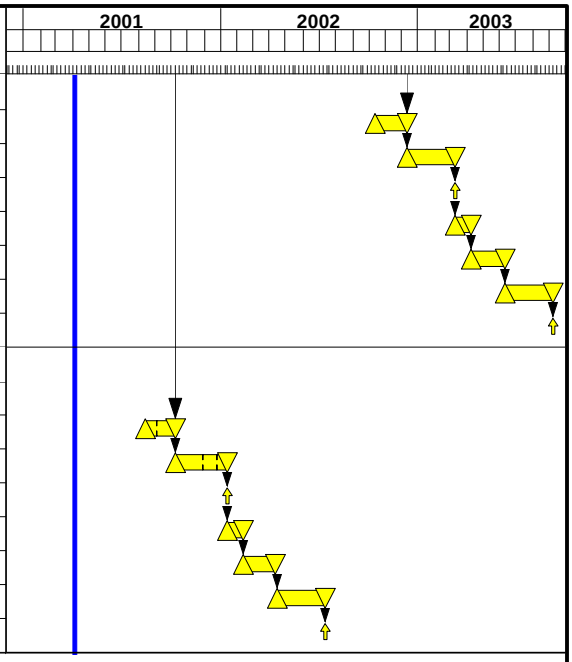
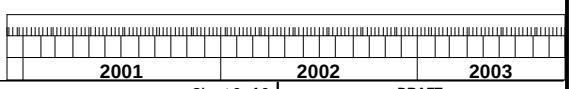
Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
SE Corner of Ranges (if no PSI)					
33110	Prepare Draft Remedy Selection Plan		40	15OCT02	09DEC02
33120	Revise Draft Remedy Selection Plan		65	10DEC02	10MAR03
33130	Remedy Selection Plan		0		10MAR03
33140	Public Comment Period		21	11MAR03	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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