MONTHLY PROGRESS REPORT #36
FOR MARCH 2000

EPA REGION I ADMINISTRATIVE ORDER SDWA I-97-1019
MASSACHUSETTS MILITARY RESERVATION
TRAINING RANGE AND IMPACT AREA

The following summary of progress is for the period from March 1 to March 31, 2000. Scheduled actions are for the six-week period ending May 19, 2000.

1. SUMMARY OF ACTIONS TAKEN

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

Table 1. Drilling progress for March 2000

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-86	Impact Area Response Well (P-12)	251	113	143-153 158-168 208-218
MW-87	Impact Area Response Well (P-16)	245	111	140-150 169-179 194-204
MW-88	Impact Area Response Well (P-15)	245	102	173-183 213-223 233-243
MW-89	Impact Area Response Well (P-14)	245	101	174-184 214-224 234-244
MW-90	Impact Area Response Well (P-8)	200	80	118-128 145-155
MW-91	Impact Area Response Well (P-7)	205	79	-2 to 8 44 to 54
MW-92	Impact Area Response Well (P-1)	221	80	-2 to 8 25 to 35
MW-93	Impact Area Response Well (P-6)	210	80	
MW-94	Downgradient of Mortar Target 5 Well	132	6	

bgs = below ground surface
bwt = below water table

Monitoring wells were completed at MW-86 (Impact Area response well P-12), MW-87 (Impact Area response well P-16), MW-88 (Impact Area response well P-15), MW-89 (Impact Area response well P-14), MW-90 (Impact Area response well P-8), MW-91 (Impact Area response well P-7), and MW-92 (Impact Area response well P-1). Drilling commenced on MW-93 (Impact Area response well P-6) and MW-94 (Mortar Target 5). Well development continued for newly installed wells. UXO clearance continued on Impact Area response well pads, Mortar Target well pads, and access roads. UXO located on the Target 9 access road, J-2 Range, and Demo 1 were detonated. Additional UXO were located at the Target 9 drill pad. There was no work on 3/1/00 and 3/23/00 due to the controlled burn of sections of the impact area. There was no Technical Meeting during the week of February 28, 2000.

Samples collected during the reporting period are summarized in Table 2. Post detonation soil samples were collected from craters of the UXO detonated on 3/3/00 in Demo 1 and the craters of the UXO detonated on 3/13/00 in Demo 1, the access road to Target 9, and the J-2 Range. Groundwater samples were collected from the second round of sampling "new" Group 2 Far Field wells (MW-48, 49, 56, 57, and 84) and the third round of several Phase IIa wells (MW-37 and 40). Groundwater profile samples were collected from the Impact Area response well borings (MW-88, MW-89, MW-90, MW-91, MW-92, and MW-93) and from the boring downgradient of Mortar Target 5 (MW-94). Two additional profile samples were collected from the Power Punch demonstration at MW-77. Surface soil samples from 0-6" and 18-24" were collected from Impact Area response well locations (P-1, 2, 3, 4, 5, 6, 10, 13, MW-87, MW-90 and MW-91). Deep soil samples were collected from the soil borings at MW-88, MW-89, MW-90, MW-91, MW-92, MW-93, MW-94, and MW-95. The soil sample (95B) was collected from inside the bunker at BK-1 (CS-19 Area) that was inadvertently omitted during the original sampling of "trenches" areas. Soil sampling was completed for the Mortar Target overhang locations (80Z, 82Z, 85Z, and 86Z). Soil samples were collected from soil under the three pieces of C-4 located in Demo 1 (D111 to D113).

A conference call was conducted on 3/2/00 to discuss several issues, including preliminary results of Mortar Target soil sampling and Demo 1 dioxin sampling.

EPA convened a meeting of the Impact Area Review Team on March 8. Topics for the meeting included an IAGS Update, the Rapid Response Action Plan, the Public Participation Plan, JPO's Water Supply Program Modeling, and a Detonation Chamber Update. The next meeting was scheduled for April 5.

The Guard, EPA, and MADEP had a meeting on March 9 to discuss technical issues, including the following:

- An update of the CS-19 investigation was presented by Jacobs Engineering. Jacobs indicated that the drilling is behind schedule and the report may be delayed by one week. A third rig has been added to the program to shorten the turn around time. The water level contour map is currently being worked on. Groundwater sampling has been completed on IRP wells and has been started on Guard wells. Surface and subsurface soil sampling have been completed. Surface soil results have detections of volatile organic compounds, and they are looking into possible causes. EPA requested an estimate of when they will have an answer. Jacobs indicated they should have an answer by early next week. In a related issue, Ogden distributed a 2-page proposal on procedures to investigate the recent acetone detections in the IAGS soil samples, which appear to be related to the new preservation procedures. Comments on this proposal are requested by next week's technical meeting.
- The water supply investigation was updated by JPO. JPO indicated that the wells have been installed at all 5 sites. They continue to develop sites 5, 4, and 3 and should finish this week. They indicated that they should start receiving results of groundwater samples over the next month. Pump tests are scheduled for mid-May to mid-June.
- The munitions survey investigation was updated by Tetra Tech. The geophysics has been completed at the gun and mortar positions and they are completing the post-processing. This does not include the gun and mortar pathways. Demo 1 brush clearing is on hold due to the location of UXO, but this survey is still on schedule. A site walk of the J-2 Range with EPA and Tetra Tech was completed today. The Guard will coordinate Tetra Tech's and Ogden's investigations and provide a proposal to the agencies on how to proceed with the munitions survey. Tetra Tech is completing the draft HUTA Workplan. UXO crews will walk the HUTA to determine the level of work in this area. The Guard provided an update of the UXO located. Two 3.5" rockets were located in Demo 1 and a 4.2" mortar was located on the access road to Target 9. The Guard indicated that a notification of a blow in place was coming out soon.

- Ogden provided an update on the RRA status. Input was requested from the agencies on the draft workplan and cleanup standards, to allow the pre-removal site characterization to proceed. EPA indicated that the cleanup standards must be based on leaching to groundwater, and that the GW1/S1 standards cited for some compounds aren't always based on leaching. EPA requested that the "Method 2" calculation based on leaching be completed for cleanup standards for those compounds where the GW1/S1 standards are not based on leaching. DEP suggested that the Guard discuss these standards with Paul Locke (DEP). DEP asked when the comments from the agencies were due. Ogden indicated that they are requested by March 29th. EPA also requested that cleanup standards are calculated for all metals, including those in soil removed from the steel-lined pit. The clearance samples from around the pit will be compared to the cleanup standards. EPA also requested a clearer explanation of the cleanup standard process as it relates to aluminum and magnesium.
  EPA indicated that the dieldrin "exemption" has not been used at MMR, and the Guard should calculate a Method 2 cleanup standard. DEP suggested that the use of dieldrin for mosquito control at wetlands could result in levels above a Method 2 standard. Both agencies suggested that remedies based on dieldrin exceedances would have to be considered on a case-by-case basis considering ecological and other impacts.

  The Guard asked if EPA wanted to be the clearinghouse for comments from the public. EPA indicated that comments should go to JPO. It was agreed to discuss sample locations and depths at next week's tech meeting. DEP indicated that before the remediation starts that approval is required by the DEP. The Guard indicated that the plan would be submitted to the DEP as a RAM Plan. The DEP asked why there was so much time between the draft and final plans. The Guard indicated that it allowed for two comment periods. The DEP asked why the duration of the treatability study was so long. The Guard indicated that the treatability study would be going on concurrently with the delineation. TRC stated that the plan does not include an explanation of how the excavation will be completed. Ogden responded that the excavation would occur in 1-foot lifts and that post excavation samples would be collected. If the post excavation sample had concentrations above the cleanup standards, then another 1-foot lift would be removed. TRC indicated that composite sampling should not be used in the delineation, or the cleanup standards should be adjusted based on the compositing. It was agreed to check EPA and DEP guidance regarding compositing. TRC indicated that a list of proposed disposal facilities is needed in accordance with the SOW. TRC expressed concern for spreading the contamination during the transportation from the trucking of the soil and that there was no provision to monitor dust at the fence line. Questions were raised about permitting, and DEP indicated the RAM would not require state permits. TRC asked if the wetland work would be done under the local conservation commission and Army Corps. The Guard indicated that it does not fall under the Army Corps permitting because it is not a stream and that the Guard will work with the local conservation commission. TRC indicated that they would like to see the conservation commission in the schedule.
- Ogden presented an update of the Groundwater Study. Both rigs have completed drilling on MW-88 and MW-89 and will need to have a conference call tomorrow to select screens. Continue to sample groundwater from the second round of Group 2 new far field wells. Mortar Target overhang samples have been collected. A 1-page handout of the particle tracks from Targets 5, 6, 9, and 10 was distributed. It was agreed to install a well 100' to 200' down gradient from Target 9 and along Pocasset/Sandwich Road downgradient of Target 5. EPA indicated that unvalidated detects of PCBs in two wells appear to have been validated nondetect, and requested an explanation.
- A 3-page (double-sided) hand out of the combined schedule was distributed, this time including FS activities for Demo 1. EPA provided a letter approving last week's version of the combined schedule. EPA indicated that they would review and comment regarding the FS timeline. EPA asked that the Guard develop a version of the combined schedule showing full details as the original separate schedules had shown. DEP asked on the status of the 104e request to Textron. The Guard indicated that they have received information from Textron and have a copy for EPA.

- A 1-page handout of the document status was distributed for review.
- The Guard requested a discussion to resolve comments on the Training Areas Workplan. The agencies indicated that they had a meeting at 2 p.m. and there would not be time for this discussion today.
- EPA indicated that Ogden needs to check whether the correct Reportable Concentrations were used in the table of dioxin results for Demo 1.
- EPA asked why CHPPM was not doing the "CHPPM Method" analysis. Ogden indicated that a number of commercial laboratories had been contacted, and qualification/MDL information for the selected lab would be sent in the next day for agency approval.
- The Guard indicated that they are preparing an IRA plan for Demo 1 with the same format as Demo 2 but with more detail to meet DEP requirements. This plan is expected by next week.
- EPA indicated that the modeling memo was OK to finalize. EPA indicated that they would like to discuss Demo 1 graphics and the J-2 scrap drums at next week's Technical meeting.

The Guard, EPA, and MADEP had a meeting on March 16 to discuss technical issues, including the following:

- Jacobs presented the status of the CS-19 investigation. A handout was distributed which included an updated schedule, site map, status of samples, and results. Jacobs indicated that they have negotiated a 5-week turn around time on results and a 3-week turn around time on validation for the groundwater dioxin samples. Ogden asked when the results of the soil dioxin are due. Jacobs indicated that they have received approximately 25 percent of the data already and remaining results are expected by the end of next week. Ogden asked to be put on the distribution for these data. The RI outline will be ready next week for review. 58MW0015 has been completed and sampled; 58MW0016 had screen depths selected this week and is scheduled to be sampled next week; and 58MW0017 and 58MW0018 are scheduled for sampling next week. The comprehensive groundwater sampling should be completed by next Monday. Soil for location 19 is going to be resampled today. The sample will be split between two laboratories and analyzed in triplicate to try to determine the source of VOC in previous soil samples. Jacobs indicated that at well location 18 the augers are stuck and cannot be removed. The bottom of the augers is approximately 40 feet above the top of the screen. A bentonite seal has been installed above the gravel pack as well as a bentonite slurry seal between annulus between the riser and auger. The two shallower screens installed in separate borings at this location have been installed at elevations that are the same as the stuck auger in the third boring. Jacobs indicated that they do not believe the augers will effect the groundwater sample quality.
- An update of the munition survey was presented by Tetra Tech. They continue to clear the brush in Demo 1 and expect to start the geophysics survey there next week; the vegetation clearance commenced at the slit trench; continue to post process the Gun and Mortar geophysical data. EPA asked when would they be able to look at the Gun and Mortar maps. Tetra Tech indicated that they should be ready for next Thursday. Two additional pieces of C-4 were located in Demo 1. Ogden will collect soil samples from these locations today. DEP asked what was the reasoning behind collecting soil samples from under every piece of C-4 located. EPA indicated that the information is needed to characterize the area and that after the results from these samples are obtained then the need for continued sampling can be evaluated. Tetra Tech expressed concern over the vegetation clearance required at the wetlands especially in the J-3 wetland. EPA suggested that another site walk is require with the Guard, Tetra Tech, the geophysical contractor, and agencies next week after the tech meeting. EPA requested that a Camp Good News representative be contacted and be present at the site walk.
- Jeff Sondrup and Dave Atkinson of INEL were added to the conference call to comment on the Statement of Work (SOW) for measurement of the modeling parameters. The comments to the SOW were as follows:

Contaminants of concern (p. 2)

- Should address how the explosive degradation products are dealt with

Sorption Experiments (p. 3)

- Why is contaminated/spiked soil needed for the sorption experiment? Also, pH needs to be monitored.
- What is the rational for the temperature range on the sorption experiment. Ogden indicated that the range of temperature is the range of the temperature on the Cape from summer to winter.
- It was suggested that the soil below 1 foot be considered in the experiment to eliminate the leaching and biodegradation.
- It was suggested that the scope of radionuclide labeling be narrowed down due to the associated costs.
- It was suggested that plastic bottles should not be considered and that deactivated glass bottles be used.
- It was suggested that the samples should not be tumbled.
- It was also suggested that GC analysis be used to look at degradation products

Desorption Experiment (p. 4)

- What was the rational for the 120-day equilibrium time. Ogden indicated that past experience showed that the ASTM time is too short.
- It was suggested that spiked soil should not be used and that existing soil used in the experiment, due to weathering issues. Ogden agreed but when this plan was written there were few sources of contaminated soil.
- It was suggested that a second extraction method be evaluated.

Biological Evaluation (p. 4)

- It was suggested that cell counting be used instead of the proposed C14 method.

- Ogden presented an update of the Rapid Response Action. UXO avoidance, containment design, and the treatability study are behind schedule by 2 to 3 weeks. These activities will be compressed to try to keep the soil removal on schedule. Another problem with the schedule is that there is a 2-week turkey-hunting period at the end of April that was not accounted for, when field operations may have to be curtailed. Ogden will discuss allowable field activities during hunting with Range Control. The poster board presentation will be on Wednesday next week. DEP requested that they review the posters prior to the presentation. The earliest possible review time will be 1300 on Wednesday. DEP asked about the role of ETC on this project. Ogden indicated that the ARDEC funding fell through and at this time it is unknown what their role will be. Ogden asked if EPA wanted to extend the deadline for the PIP comments until after the next IART meeting. EPA indicated that they would have their comments by the 31st so that the IART members are aware of EPA's comments. EPA indicated that they have supplied a wide range of comments to the work plan and wanted to know how they were going to be addressed. Ogden indicated that they would like to go over them with the EPA before they respond. Ogden responded to one of the comments from last weeks Tech Meeting and indicated that they have calculated the cleanup number for dieldrin using Method 2 and the only location with an exceedance is proposed to be cleaned up due to explosives. Another comment from last week's tech meeting questioned the timing of the treatability study. Ogden indicated that because of time constraints the treatability study samples would be collected after the results of the delineation samples have been reviewed. EPA indicated that they believe that some overlap of these tasks will be necessary. EPA commented that their innovative technologies group indicated that the 1,400 cubic yards could be considered the treatability study. The DEP and EPA requested an expanded schedule for the RRA. A three page handout of the sampling locations and rational was distributed for review. Sampling locations for each of the areas were discussed. A 1-page handout of the Method 2 calculations and detections limits for each compound was distributed for review.
- Ogden presented an update of the Groundwater Investigation. The Guard indicated that the UXO in Demo 1 was detonated on Monday and that the inventory of the ASP is due to the EPA. EPA

indicated that they need to have a meeting with the Guard to determine a format for the public notices. Ogden indicated that they are currently drilling on the Impact Area Response well locations P-1, P-7, and P-8. Location P-3 was scheduled by is currently under water so location P-7 was substituted. A 1-page handout of the draft cross section for the outer transect was distributed for review. Soil samples were going to be collected from the Demo 1 UXO detonation crater and the C-4 locations today.

- Ogden asked if there were any comments on the proposed acetone investigation. EPA requested that both proposed labs analyze the time period samples. EPA suggested that the soil sample be homogenized prior to splitting between labs to get a better split, since the actual concentration in the soil is not the issue. EPA suggested a thorough review to ensure appropriate QA/QC samples were collected. The DEP distributed a 1-page handout of comments on the proposed investigation.
- Ogden asked for suggestions on where to collect background soil samples for dioxin in regards to the Demo 1 detections. EPA suggested that the wooded area around Demo 1 be considered. EPA also suggested using the MADEP cleanup goal for dioxin, versus the EPA guidance for residential locations. The agencies are open to a written proposal from the Guard on these sample locations.
- EPA indicated that IRP has developed a procedure for plume delineation and a method for the groundwater study needs to be developed. EPA suggested that shading be used and not lines and that concentrations above the detection limit to the health advisory be one shade, concentrations from the health advisory to 10 ppb be another shade, and concentrations above 10 ppb be a third shade. DEP indicated that remediation should be considered when determining this plume delineation method. EPA suggested that the plume delineation issue be discussed with the IART.
- EPA indicated that they have talked with the Guard on the status of the scrap drums on the J-2 Range. The Guard indicated that the environmental office is looking into it.
- MADEP comments on the proposed fate/transport measurements were discussed. Regarding MADEP's suggestion for a "technical review forum", several ideas were batted around, including possible TRET review, and review by the TOSC team. EPA will send a letter to IART/TOSC inviting their participation, but noting that we're on a fairly short fuse to start the F&T work.
- Ogden indicated that several additional areas of interest were located in the J-2 Range after the initial site walk and wanted to know if the agencies wanted to have another site walk before the work plan is prepared. EPA indicated that they would like to look at them before they comment on the plan but do not need to look at it before Ogden submits the draft plan. EPA asked the Guard if anyone has looked at the rocket that was discovered during the site walk. The Guard indicated that it has not been looked at yet.
- Ogden indicated that the draft Phase II CWR is due in July and wanted suggestions on the content and timing of the report. EPA indicated that they would like to think about it.
- Ogden indicated that an Action Item from the IART meeting requested more information on the EDB detection in the Snake Pond drive point. EPA indicated that the team is looking for information on when detected, what screens were sampled, future sampling, etc.
- A handout of the validation report requested by EPA on the PCB detections that were validated as non-detects was distributed. Also a 1-page handout of a map of the public water supply wells in the area was distributed as requested by EPA.
- EPA requested the status of the perchlorate sampling. Ogden indicated that it is ready to go for the next round of sampling. EPA indicated that MW-19S needs to be added to the perchlorate list. Ogden indicated that it should have been on the list in the draft LTGM Plan and that they would look into it. EPA requested a copy of the base natural resources map and the DEP requested it as an Arcview layer.
- EPA indicated that the Training Areas MOR is OK except that on the IBC Range the wording should be changed from 10 grids in the IBC range and 10 other grids, to 10 grids in the IBC Range and additional grids at other locations.

- EPA asked the status of the Textron information. The Phase I report is expected next week and the 104e information is currently under review.

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

- Jacobs presented an update of the CS-19 investigation. A 3-page update and a 2-page schedule were distributed. The field investigation is on schedule. The well installation and development are done. Synoptic water level map will be ready next week. Surface soil sampling is done and the results are back from the lab and subsurface soil results are due in a few weeks. EPA asked if the surface soil VOC detections have been validated. Jacobs indicated that they have been validated. The resample results are due on Friday. Foothills suggested that Jacobs look at the sparging history to see if it may have effected the samples. The draft data report is due on April 19th. Jacobs proposed to discuss the content of the report at the April 13th tech meeting.
- There was no update of the Water Supply Study. EPA asked if there was a date scheduled to receive data. Ogden indicated that there was not. EPA requested that the Guard suggest to JPO that it is important to get the data soon.
- Ogden presented an update of the Rapid Response Action. There was a poster presentation before the SMB last night. Comment period on the RRA Plan ends April 6th. EPA will receive all public comments and send them to the Guard as they are received. EPA indicated that they would have their comments ready by Monday 3/27. The DEP indicated that there were lots of questions on the MCP in regards to the RRA. DEP requested that a presentation on the basics of the MCP at one of the IART meetings to help members with their questions. Ogden suggested that cleanup numbers be agreed upon prior to the presentation. DEP indicated that they would need a meeting next week to resolve their comments.
- An update of the Munitions Survey was presented by Tetra Tech. There are 5 to 6 more grids in Demo 1 for vegetation and UXO clearance. Geophysics started in Demo 1 on Monday and should be done by April 15th. The Guard is reviewing the J-Range plan and the surveyor is scheduled for next week. The surveying of the ponds has started. Continue to post process the Gun and Mortar position geophysical data. Vegetation and UXO clearance have been completed in the Slit Trench and the survey starts today. The survey has started on the HUTA and the work plan is being prepared for submittal next week. EPA asked the status of the revisions to Appendix C. Tetra Tech indicated that the Guard is currently reviewing the final version.
- Ogden presented an update of the Groundwater investigation. Currently setting wells on MW-90 (P-8), waiting for profile results for MW-91 (P-7), and MW-92 (P-1) will complete drilling on Friday. The drill rigs will move to Mortar Target 5 location, P-6 and P-3. Groundwater sampling the third round of the Group 2 far field wells. Developing the newly installed wells.
- DEP comments on the Lab SOW for modeling were discussed. DEP's general comment was that there needs to be more specific detail. Ogden indicated that this would be sent to the labs and the lab would provide detail and a layout. DEP would like a plan to be technically reviewed by the agencies and others. The EPA indicated that TOSC would provide comments by April 5th. EPA will request a meeting before the IART meeting to discuss their comments. DEP specific comments were to extract and pre-concentrate samples to ensure measurable levels of explosive are present. DEP would like more specifics in terms of analytical methods and experimental design detail.
- The draft agenda for the IART meeting was discussed.
  - DEP requested the status of the facilitator. EPA indicated that discussions are ongoing and will not be resolved until the team has commented. The facilitator status will be added to the agenda.
  - ETC will not be involved and Ogden will include this discussion in the comments to the RRA plan.

- Tetra Tech will be added to the agenda items. Tetra Tech requested what is desired for their presentation. EPA suggested an overview of the investigation and technology at the Gun and Mortar positions and Demo 1.

- DEP requested an update on Mr. Zanis' concern on the steel lined pit. EPA indicated that he presented a photograph of a popper kettle adjacent to the steel lined pit. DEP suggested that a meeting be held with the agencies and Mr. Zanis to determine his concerns. EPA suggested that the Archive search report be reviewed prior to any meeting because his concerns have already been addressed there. Ogden suggested that the CWR needs to be finalized because it addressed some of these concerns. The Guard indicated that they would review the ASR to pull together a punch list of Mr. Zanis' concerns and determine what has been and what will be addressed.
- JPO/SMB request on CS-19 will not be a presentation but a fact sheet available at the next IART meeting. The Guard indicated that they would request this from AFCEE.
- The DEP requested more information on the concern that Mr. Hugus addressed in his e-mail. The EPA indicated that he does not have confidential information submitted by Textron. Mr. Hugus indicated that he would like to have Textron do a presentation. The EPA indicated that the Air Force and EPA have requested that Textron narrow down or eliminate the confidential requirement. The DEP requested copies of the original information request to Textron and any other non-confidential information.
- The EPA indicated that they sent a letter indicating the need to sample around the tank targets on Tank Alley. Ogden indicated that they just received the letter and would need to discuss it with the Guard before they could comment. EPA indicated that they could discuss it next week but that they would have to determine requirement dates for this work soon.
- The IART Action Items were discussed:
    1. The Guard is still working on the ASP inventory.
    2. The EPA will inform Mr. Zanis of the Technical Meeting discussion on the inclusion of a high use range on Greenway Road.
    3. The Guard will look into what ranges were used on February 27-28
    4. The Guard will look into what was done with the scrap drums located on the J-2 Range.
    5. EPA indicated that it need to be pointed out to the team that additional information will be required at Demo 1 and that the agencies believe that there is sufficient information at this time to define the plume.
    6. The Guard will look into the records to determine the use history of Mortar Target 9.
    7. The EPA indicated that they are waiting for the well installation and sampling and report before they determine the adequacy of the investigation of the Mortar Targets. EPA also indicated that AO3 has a provision that allows additional area to be added to the RRA.
    8. EPA suggested that Ogden prepare a chronology for the next IART meeting and weekly report. DEP indicated that they would inform AFCEE that this would be discussed at the next IART meeting.
    9. Covered by number 6.
- The Guard distributed a 1-page table of the disposition of the last two UXO detonations. The Guard also indicated that they and USA visited the J-2 Range and determined that there was an 81mm mortar and two LAW rockets. They would attempt to get the 102nd FW EOD to take a look at them. The Guard distributed a 1-page handout of the inventory of the magazine at five corners.
- The EPA requested the list of the J-2 Range operators.
- The EPA and DEP indicated that a member of the PIT would like to present at the next IART meeting to indicate what they could do to help the Team.
- The DEP asked when the Community Involvement Plan was due. EPA indicated that it was due on March 28 but they indicated that the deadline would be extended 1 to 2 weeks to ensure that everything is addressed. DEP also suggested that the plan include the steps involved in becoming a member of the IART Team.

- The DEP also requested an update on the CDC chamber. EPA indicated that they provided a RCRA outline to address in the plan. The DEP was confused on this issue and EPA indicated that they would call the DEP to fix the confusion.

The Guard, EPA, and MADEP had a meeting on March 30 to discuss technical issues, including the following:

- There was a brief discussion of RRA cleanup standards. It was agreed that there was concurrence on most of the standards, with additional work needed to resolve the standards for dieldrin, 2,4-DNT, and metals. The EPA suggested that the Guard review leaching-based cleanup standards developed by IRP for some of these compounds.
- There was a brief discussion of the Long Term Monitoring Plan. EPA was unclear on the proposed monitoring locations and indicated the plan needed map(s) showing which wells are/aren't proposed for sampling. EPA indicated the plan will be disapproved because analyte types are being deleted too early in the monitoring program. EPA will provide written comments shortly, and will meet with the Guard and MADEP soon after to discuss.
- The Impact Area Response Well locations were discussed, and handouts were provided showing the preliminary results along the inner and outer transects, and the plan view of the wells. It was agreed to move the proposed location of P-21 north so that it lies on a particle track (to be determined) from P-16. The next locations to be installed are P-10, P-11, and P-13; then P-21 will be installed after those. P-17 will likely be relocated due to the nearby well installation by IRP, but the new location will be decided after additional results are available from the other wells underway.
- The Guard indicated that scoping discussions are underway with Tetra Tech and USACE for revising the ASR.
- There was a brief discussion of plume design recapping a discussion of several weeks ago when Mr. Gregson and LTC Knott were unavailable. EPA suggested that the RDX plume at Demo 1 be drawn to show levels >ND and <HA, >HA and <10ppb, and >10 ppb. EPA suggested discussion with the IART prior to finalizing this design.
- Jacobs provided a 2-page handout and update of CS-19 activities. Sampling is complete and data evaluation is underway. There was disagreement between VOC results for 2 splits, one sample frozen and one not frozen. EPA requested that a 5-way split of soil VOC samples be performed, with freezing for preservation, to resolve the VOC detects.
- DEP indicated that results of the new proposed water supply well locations are expected on the following dates: wells 3 & 5 on 4/7/00, wells 1 & 4 on 4/14/00, and well 2 on 4/21/00. DEP will check on which wells were sampled and the screen depths. Guard will mention to JPO that data should be provided as soon as available.
- Tetra Tech provided an update of munitions survey activities. Demo 1 geophysics field work is expected to be complete by 4/9/00. The plan for work at J-2 Range is currently under review by Guard. A hydrographic survey of Gibbs, Donnelly, Deep Bottom, Bailey, and Grassy Ponds was conducted. Geophysics surveys of the ponds will begin next week. There was a discussion of the survey methods and potential wetlands NOI/RFD issues for the Good News Bog (a.k.a. J-3 Wetland). The preparation for geophysics survey at the slit trench is nearly complete.
- Ogden provided an update on the RRA Workplan. DEP expects to submit comments early next week. A meeting was scheduled for 1000 on 4/5/00 to discuss comments and schedule. UXO avoidance and preparation of an FSP are expected to start the week of 4/10. Delineation of the Good News wetland is expected to start the week of 4/17.
- There was a brief update on IAGS field work. Drilling continues at P-1, P-6, and downgradient of Mortar Target 5. Sampling of far field Group 2 wells continue.
- The Guard and DEP will discuss how/whether to provide a summary of the MCP process to the IART. This topic might be included in the RRA discussion at the IART meeting.

- EPA expected to provide the TOSC team comments on the fate/transport modeling Scope of Work (SOW) by 4/3 or 4/4. EPA will also forward the INEL comments on the SOW. EPA and DEP will discuss how to move forward on the SOW once all comments are received. EPA will be sending a request to the Guard to conduct a tour of MMR for the TOSC team.
- There was a brief discussion of the timing of the J Range Workplans. The Phase I Report from Textron is expected within the next few days. The Guard's J-2 Range Workplan is due 4/7, and the J-1/J-3/L Range Workplan will be submitted 4/21. The latter will consider the info from Textron, to the extent possible considering the timing.
- EPA's request for sampling the targets on or southeast of Tank Alley was discussed. The Guard indicated that, after the targets were identified and scope of work developed, there would be 4 weeks needed for contracting and 2 weeks needed for mobilization. It was agreed to develop maps of current and historic targets by the 4/6 tech meeting.
- The action items for the IART meeting were discussed again. For the ASP inventory, Guard and EPA will discuss what information can be provided without creating a security issue. The Otis Rod & Gun club was in use during the weekend of February 26-27, and this may be the firing heard offsite. A report was provided (6-page handout) on the excavation of drums from the J-2 Range which occurred in April 1999. EPA requested a copy of the munition inventory for the APC, as the rounds found on the J-2 Range apparently went there. Range Control does not maintain records of target use, but the last HE mortar fire was from positions 3, 4, and 8. Mortar Target 9 would be an "easy" target from MP-8. Ogden provided the EDB data via email.
- The UXO types recently found at J-2 were provided in the last weekly report. There was a discussion of the other UXO finds in this area, and the need for a full UXO survey.
- EPA located a list of J-2 Range operators but asked for copies of the 104 (e) requests that were sent. The Guard indicated that requests were sent to Textron, MIT, Raytheon, Masco (Hesse), and Atlantic Research. No addresses could be found for National Fireworks or Susquehanna Corp. EPA also asked for a copy of the letter sent to Yuma PG. EPA also recommended the Guard send a letter to Picatinny Arsenal requesting info on American Potash and/or other lease operators.
- The agencies have no further comments on the revised proposal for soil sampling to investigate the acetone detections.
- The plan for sampling the Small Arms Ranges was discussed. EPA asked that at least one of the ranges to be sampled have had M16 firing. It is not imperative that a range on Greenway Road be included, unless it is selected due to high use or other considerations. EPA asked the Guard to schedule the investigation for the spring, as had been previously discussed. A revised plan is needed to address comments and proceed toward sampling.
- The reconnaissance of the Training Areas in accordance with the final workplan was discussed. The Guard will develop a list of potential areas for reconnaissance for the 4/6 tech meeting. Some areas may be toured following the 4/6 meeting if time allows. EPA will also review potential areas with a goal of developing a final list for touring after the 4/13 tech meeting.
- The timing and content of the final Phase I and draft Phase II reports were discussed. It was agreed to develop a summary for the Phase I areas of what has been addressed and what needs further work, to ensure that appropriate follow-up is taken. EPA suggested that the Phase II report be rescheduled for Fall 2000 to allow incorporation of results currently being obtained.
- A 1-page summary of results for the Mortar Target overhang samples was provided.
  The Guard provided an updated inventory for the CDC.

2. SUMMARY OF DATA RECEIVED

Validated Data

Validated data were received during March for Sample Delivery Groups (SDGs) 197, 199, 203, 207, 223, 231, 236, 238, 239, 251, 252, 263 to 270, 272, 276, 278 to 284, and 286. These SDGs contain results for 428 soil samples, primarily consisting of samples from gun and mortar positions. These SDGs also contain results for 21 groundwater samples from monitoring wells, and 85 groundwater profile samples collected during installation of MW-57, 65, 66, 67, 68, 69, 71, 74, 78, and 79. Finally, results are included for 10 air samples and 39 soil samples associated with open detonation of munitions.

Figures 1 through 5 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

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. 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 or HA 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 or HA. 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 or HA, sorted by analytical method and analyte, since 1997.

There are multiple labels listed for some wells in Figures 1-5, 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. 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 1-5 depict water table contours. Groundwater generally moves perpendicular to these contours. The rate of vertical groundwater flow deeper into the aquifer slows as groundwater moves away from the mound.

The results presented in Figures 1-5 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 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. There are significant differences between historical and current exceedances of drinking water criteria for Metals and SVOCs, as described further below.

Figure 1: Explosives in Groundwater Compared to MCLs/HAs

Exceedances of drinking water criteria for explosive compounds are indicated in four general areas: Demo Area 1 (wells 19, 31, 34, and 73); the Impact Area and CS-19 (wells 58MW0002, 58MW0009E, 1, 2, 23, 25, 37, 38, and 40); southeast of the J Ranges (wells 90MW0022, 90WT0013); and at the steel-lined pit (well 58). CS-19 is a site located in the Impact Area, portions of which are currently under investigation by the Air Force Center for Environmental Excellence (AFCEE) under the Superfund program. A bunker and cleared area on the north side of CS-19 are under investigation under the IAGS. Studies are currently underway to delineate the extent of contaminants in the Impact Area, which may include several separate sources. Studies are also underway at Demo 1 and southeast of the J Ranges to evaluate the sources and extent of contaminants. Exceedances of drinking water criteria were measured for 2,4,6-trinitrotoluene (TNT) at Demo Area 1 (well 19S), and for hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) at all of the locations. One of the exceedance wells, 90WT0013, has had no detectable explosives in the last two sample rounds (January and October 1999).

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 10 antimony exceedances were repeated in consecutive sampling rounds. Arsenic (in well 7M1), cadmium (52M3), and chromium (7M1) each had one exceedance in a single sampling round. The three lead exceedances (wells 2S, 7M1, and ASP) were not repeated in consecutive sampling rounds. Twelve of the 35 molybdenum exceedances were repeated in consecutive sampling rounds (wells 2S, 2D, 13D, 16D, 46M2, 52D, 52M3, 53M1, 53D, 54M2, 54S, and 55D). Molybdenum concentrations declined in 11 of these twelve wells. Two of the ten sodium exceedances were repeated in consecutive sampling rounds (wells 2S and SDW261160). Six of the 40 thallium exceedances were repeated in consecutive sampling rounds (wells 7M1, 7M2, 47M2, 52S, 52D, and 54M1). 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 (wells 45S and 90MW0003, see Inset B) 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 the latest sampling round 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 65) 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). The naphthalene exceedances at wells 45S and 90MW0003 are also located in FS-12.

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 or third sampling rounds.

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

There was one exceedance of drinking water criteria for herbicides or 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.

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 indicates confirmed explosive detections in composite and discrete soil samples from one crater at Demo 1 where a 37mm round was detonated on 3/3/00.

Table 4 indicates false positive explosive detections in a groundwater sample from MW-57S, which is the water table well in the Sandwich Far Field well cluster.

Table 4 includes profile results from drilling at the Impact Area response wells 88, 89, 90, 91, 92, and 93. RDX, HMX, 2-amino-4,6-dinitrotoluene, 4-amino-2,6-dinitrotoluene, and TNT were verified as detected in the profile samples.

Table 4 indicates an RDX detection for a soil sample from Mortar Target 8 (86Z), and detections of RDX and HMX for soil samples at Demo 1 collected from beneath C-4 residuals (D111 to D113).

3. DELIVERABLES SUBMITTED

Deliverables submitted during the reporting period include the following:

Weekly Update for February 14 – 18	3/5/00
Weekly Update for February 21 – 25	3/5/00
Final IAGS Technical Team Memorandum 99-2, Deep Soil Sampling of Demo 1	3/6/00
Final Evaluation of Remediation Technologies for Demolition Area 1	3/7/00
Monthly Progress Report #35 (February 2000)	3/10/00
Weekly Update for February 28 – March 3	3/14/00
Weekly Update for March 6 – 10	3/16/00
Weekly Update for March 13 – March 17	3/28/00
Weekly Update for March 20 – March 24	3/29/00

4. SCHEDULED ACTIONS

Figure 6 provides a Gantt chart updated to reflect progress and proposed work. Activities scheduled for April and early May include:

- Continue preparation of draft report on Demo 1 soil/groundwater investigation
- Continue Demo 1 geophysics work
- Continue Impact Area investigation
- IART review draft J-2 Range Workplan and provide comments
- Implement Response Plan for DP-8&9 and 90MW0022
- Complete draft J-1/J-3 Range Workplan
- Receive remaining gun/mortar investigation data and continue report preparation
- Continue preparation of draft report on “trenches” investigation
- Complete Mortar Targets investigation and start report preparation
- Continue method development and FSP preparation for Training Areas investigation
- Continue revisions of KD/U and J-3 Wetland reports
- Complete draft workplan and start final workplan for HUTA-1
- Continue geophysics investigation of water bodies
- Start geophysics investigation of slit trench
- Continue groundwater monitoring programs

- Continue revisions of PEP report
- Continue revisions of Interim Longterm Monitoring (ILM) plan for CY 2000
- Continue revisions of Rapid Response Action (RRA) workplan
- Continue pre-RRA implementation

5. SUMMARY OF ACTIVITIES FOR DEMO 1

The Guard and regulatory agencies discussed the preliminary results of dioxin analyses for the recent samples in Demo 1. Sample concentrations generally exceeded the RCS1 standards under the MCP. It was agreed to review the dioxin levels measured by AFCEE in CS-19, and any available background levels, for the purpose of comparison. . Additional pieces of C-4 were located in Demo 1 and samples were collected from the soil under the C-4. The UXO located in Demo 1 were detonated on 3/3/00 and 3/13/00. Samples were collected from the craters of each detonation.

Brush cutting and UXO clearance was completed in preparation for the geophysics survey for the Munitions Survey at Demo 1. The geophysical survey of Demo 1 commenced during this reporting period.

TABLE 2
SAMPLING PROGRESS
3/1/2000-3/31/2000

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HCDEMO13.5IN	HCDEMO13.5IN	03/06/2000	CRATER GRAB	0.00	0.25		
HCDEMO13.5IN-1	HCDEMO13.5IN-1	03/16/2000	CRATER GRAB	0.00	0.25		
HCDEMO13.5IN-2	HCDEMO13.5IN-2	03/16/2000	CRATER GRAB	0.00	0.25		
HCDEMO137MM	HCDEMO137MM	03/06/2000	CRATER GRAB	0.00	0.25		
HCT94.2IN	HCT94.2IN	03/16/2000	CRATER GRAB	0.00	0.25		
HDDEMO13.5IN	HDDEMO13.5IN	03/06/2000	CRATER GRAB	0.00	0.25		
HDDEMO13.5IN-1	HDDEMO13.5IN-1	03/16/2000	CRATER GRAB	0.00	0.25		
HDDEMO13.5IN-2	HDDEMO13.5IN-2	03/16/2000	CRATER GRAB	0.00	0.25		
HDDEMO137MM	HDDEMO137MM	03/06/2000	CRATER GRAB	0.00	0.25		
HDT94.2IN	HDT94.2IN	03/16/2000	CRATER GRAB	0.00	0.25		
G88DGE	FIELDQC	03/08/2000	FIELDQC	0.00	0.00		
G89DGE	FIELDQC	03/07/2000	FIELDQC	0.00	0.00		
G90DBE	FIELDQC	03/17/2000	FIELDQC	0.00	0.00		
G90DCE	FIELDQC	03/20/2000	FIELDQC	0.00	0.00		
G91DEE	FIELDQC	03/21/2000	FIELDQC	0.00	0.00		
G92DBE	FIELDQC	03/22/2000	FIELDQC	0.00	0.00		
G92DIE	FIELDQC	03/24/2000	FIELDQC	0.00	0.00		
G93DAE	FIELDQC	03/30/2000	FIELDQC	0.00	0.00		
G94DAE	FIELDQC	03/31/2000	FIELDQC	0.00	0.00		
G94DAT	FIELDQC	03/31/2000	FIELDQC	0.00	0.00		
HCJ281MME	FIELDQC	03/31/2000	FIELDQC	0.00	0.00		
HCOHT1AAE	FIELDQC	03/08/2000	FIELDQC	0.00	0.00		
HDDEMO13.5IN-2E	FIELDQC	03/16/2000	FIELDQC	0.00	0.00		
HDDEMO137MM-E	FIELDQC	03/06/2000	FIELDQC	0.00	0.00		
P01-ER	FIELDQC	03/10/2000	FIELDQC	0.00	0.00		
P01-TB	FIELDQC	03/10/2000	FIELDQC	0.00	0.00		
P11-ER	FIELDQC	03/09/2000	FIELDQC	0.00	0.00		
S88DCE	FIELDQC	03/03/2000	FIELDQC	0.00	0.00		
S88DCT	FIELDQC	03/02/2000	FIELDQC	0.00	0.00		
S88DEE	FIELDQC	03/03/2000	FIELDQC	0.00	0.00		
S89DJE	FIELDQC	03/06/2000	FIELDQC	0.00	0.00		
S90DAE	FIELDQC	03/24/2000	FIELDQC	0.00	0.00		
S90DAT	FIELDQC	03/24/2000	FIELDQC	0.00	0.00		
S91DCE	FIELDQC	03/16/2000	FIELDQC	0.00	0.00		
S91DCT	FIELDQC	03/15/2000	FIELDQC	0.00	0.00		
S92DCE	FIELDQC	03/16/2000	FIELDQC	0.00	0.00		
S92DCT	FIELDQC	03/16/2000	FIELDQC	0.00	0.00		
S92DIE	FIELDQC	03/20/2000	FIELDQC	0.00	0.00		
S92DOE	FIELDQC	03/21/2000	FIELDQC	0.00	0.00		
S93DCE	FIELDQC	03/28/2000	FIELDQC	0.00	0.00		
S93DJE	FIELDQC	03/30/2000	FIELDQC	0.00	0.00		
S94DCE	FIELDQC	03/30/2000	FIELDQC	0.00	0.00		
S94DCF	FIELDQC	03/29/2000	FIELDQC	0.00	0.00		
S94DCT	FIELDQC	03/29/2000	FIELDQC	0.00	0.00		
S95DCE	FIELDQC	03/31/2000	FIELDQC	0.00	0.00		
W37M1T	FIELDQC	03/27/2000	FIELDQC	0.00	0.00		
W44M1T	FIELDQC	03/28/2000	FIELDQC	0.00	0.00		
W48SST	FIELDQC	03/21/2000	FIELDQC	0.00	0.00		
W49SST	FIELDQC	03/01/2000	FIELDQC	0.00	0.00		
W56SST	FIELDQC	03/20/2000	FIELDQC	0.00	0.00		

Profiling methods include: Volatiles and Explosives
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
Other Sample Types methods are variable
SBD = Sample Begin Depth, measured in feet bgs
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
3/1/2000-3/31/2000

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W37M2A	MW-37	03/27/2000	GROUNDWATER	145.00	155.00	28.00	38.00
W40SSA	MW-40	03/28/2000	GROUNDWATER	115.50	125.50	-5.34	4.66
W48SSA	MW-48	03/21/2000	GROUNDWATER	99.00	109.00	0.00	10.00
W49DDA	MW-49	03/01/2000	GROUNDWATER	185.00	195.00	114.00	124.00
W49M2A	MW-49	03/02/2000	GROUNDWATER	130.00	140.00	59.00	69.00
W49M2D	MW-49	03/02/2000	GROUNDWATER	130.00	140.00	59.00	69.00
W49M3A	MW-49	03/01/2000	GROUNDWATER	100.50	110.50	29.48	39.48
W49SSA	MW-49	03/01/2000	GROUNDWATER	68.50	78.50	0.00	10.00
W56DDA	MW-56	03/21/2000	GROUNDWATER	176.00	186.00	97.80	107.80
W56M1A	MW-56	03/06/2000	GROUNDWATER	156.00	166.00	85.00	95.00
W56M2A	MW-56	03/20/2000	GROUNDWATER	131.00	141.00	52.80	62.80
W56M3A	MW-56	03/20/2000	GROUNDWATER	106.00	116.00	28.00	38.00
W56SSA	MW-56	03/20/2000	GROUNDWATER	76.00	86.00	0.00	10.00
W57DDA	MW-57	03/07/2000	GROUNDWATER	213.00	223.00	125.00	135.00
W57M1A	MW-57	03/07/2000	GROUNDWATER	188.00	198.00	100.00	110.00
W57M2A	MW-57	03/22/2000	GROUNDWATER	148.00	158.00	60.00	70.00
W57M3A	MW-57	03/09/2000	GROUNDWATER	117.00	127.00	30.00	40.00
W57SSA	MW-57	03/22/2000	GROUNDWATER	85.00	95.00	0.00	10.00
W57SSD	MW-57	03/22/2000	GROUNDWATER	85.00	95.00	0.00	10.00
W84DDA	MW-84	03/03/2000	GROUNDWATER	190.00	200.00	151.00	161.00
W84M1A	MW-84	03/06/2000	GROUNDWATER	140.00	150.00	101.00	111.00
W84M1D	MW-84	03/06/2000	GROUNDWATER	140.00	150.00	101.00	111.00
W84M2A	MW-84	03/02/2000	GROUNDWATER	104.00	114.00	65.00	75.00
W84M3A	MW-84	03/03/2000	GROUNDWATER	79.00	89.00	40.00	50.00
W84SSA	MW-84	03/03/2000	GROUNDWATER	54.00	64.00	0.00	10.00
DW8608	GAC WATER	03/08/2000	IDW				
DW8920	GAC WATER	03/22/2000	IDW				
DW9131	GAC WATER	03/31/2000	IDW				
GAC15	GAC WATER	03/21/2000	IDW				
SC8601	SOIL CUTTINGS	03/03/2000	IDW	0.00	0.25		
SC8602	SOIL CUTTINGS	03/03/2000	IDW	0.00	0.25		
SC8701	SOIL CUTTINGS	03/03/2000	IDW	0.00	0.25		
SC8702	SOIL CUTTINGS	03/03/2000	IDW	0.00	0.25		
SC8801	SOIL CUTTINGS	03/24/2000	IDW	0.00	0.25		
SC8802	SOIL CUTTINGS	03/24/2000	IDW	0.00	0.25		
SC8901	SOIL CUTTINGS	03/24/2000	IDW	0.00	0.25		
SC8902	SOIL CUTTINGS	03/24/2000	IDW	0.00	0.25		
SC9001	SOIL CUTTINGS	03/24/2000	IDW	0.00	0.25		
SC9002	SOIL CUTTINGS	03/24/2000	IDW	0.00	0.25		
SC9101	SOIL CUTTINGS	03/24/2000	IDW	0.00	0.25		
SC9102	SOIL CUTTINGS	03/24/2000	IDW	0.00	0.25		
SC9201	SOIL CUTTINGS	03/24/2000	IDW	0.00	0.25		
SC9202	SOIL CUTTINGS	03/24/2000	IDW	0.00	0.25		
G88DAA	MW-88	03/06/2000	PROFILE	150.00	150.00	7.20	7.20
G88DBA	MW-88	03/07/2000	PROFILE	150.00	150.00	7.20	7.20
G88DCA	MW-88	03/07/2000	PROFILE	160.00	160.00	17.20	17.20
G88DDA	MW-88	03/07/2000	PROFILE	170.00	170.00	27.20	27.20
G88DDD	MW-88	03/07/2000	PROFILE	170.00	170.00	27.20	27.20
G88DEA	MW-88	03/07/2000	PROFILE	180.00	180.00	37.20	37.20
G88DFA	MW-88	03/07/2000	PROFILE	190.00	190.00	47.20	47.20

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
3/1/2000-3/31/2000

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G88DGA	MW-88	03/08/2000	PROFILE	200.00	200.00	57.20	57.20
G88DHA	MW-88	03/08/2000	PROFILE	210.00	210.00	67.20	67.20
G88DHD	MW-88	03/08/2000	PROFILE	210.00	210.00	67.20	67.20
G88DIA	MW-88	03/08/2000	PROFILE	220.00	220.00	77.20	77.20
G88DJA	MW-88	03/08/2000	PROFILE	230.00	230.00	87.20	87.20
G88DKA	MW-88	03/08/2000	PROFILE	240.00	240.00	97.20	97.20
G88DLA	MW-88	03/08/2000	PROFILE	245.00	245.00	102.20	102.20
G89DAA	MW-89	03/06/2000	PROFILE	145.00	145.00	0.65	0.65
G89DBA	MW-89	03/07/2000	PROFILE	150.00	150.00	5.65	5.65
G89DCA	MW-89	03/07/2000	PROFILE	160.00	160.00	15.65	15.65
G89DDA	MW-89	03/07/2000	PROFILE	170.00	170.00	25.65	25.65
G89DEA	MW-89	03/07/2000	PROFILE	180.00	180.00	35.65	35.65
G89DFA	MW-89	03/07/2000	PROFILE	190.00	190.00	45.65	45.65
G89DFD	MW-89	03/07/2000	PROFILE	190.00	190.00	45.65	45.65
G89DGA	MW-89	03/07/2000	PROFILE	200.00	200.00	55.65	55.65
G89DHA	MW-89	03/07/2000	PROFILE	210.00	210.00	65.65	65.65
G89DIA	MW-89	03/07/2000	PROFILE	220.00	220.00	75.65	75.65
G89DID	MW-89	03/07/2000	PROFILE	220.00	220.00	75.65	75.65
G89DJA	MW-89	03/07/2000	PROFILE	230.00	230.00	85.65	85.65
G89DKA	MW-89	03/08/2000	PROFILE	240.00	240.00	95.65	95.65
G89DLA	MW-89	03/08/2000	PROFILE	245.00	245.00	100.65	100.65
G90DAA	MW-90	03/16/2000	PROFILE	124.00	124.00	4.00	4.00
G90DBA	MW-90	03/16/2000	PROFILE	130.00	130.00	10.00	10.00
G90DCA	MW-90	03/20/2000	PROFILE	140.00	140.00	20.00	20.00
G90DDA	MW-90	03/20/2000	PROFILE	150.00	150.00	30.00	30.00
G90DEA	MW-90	03/20/2000	PROFILE	160.00	160.00	40.00	40.00
G90DED	MW-90	03/20/2000	PROFILE	160.00	160.00	40.00	40.00
G90DFA	MW-90	03/20/2000	PROFILE	170.00	170.00	50.00	50.00
G90DGA	MW-90	03/20/2000	PROFILE	180.00	180.00	60.00	60.00
G90DHA	MW-90	03/20/2000	PROFILE	190.00	190.00	70.00	70.00
G90DHD	MW-90	03/20/2000	PROFILE	190.00	190.00	90.00	90.00
G90DIA	MW-90	03/20/2000	PROFILE	200.00	200.00	80.00	80.00
G91DAA	MW-91	03/20/2000	PROFILE	125.00	125.00	-0.80	-0.80
G91DBA	MW-91	03/20/2000	PROFILE	130.00	130.00	4.20	4.20
G91DCA	MW-91	03/20/2000	PROFILE	140.00	140.00	14.20	14.20
G91DDA	MW-91	03/21/2000	PROFILE	150.00	150.00	24.20	24.20
G91DDB	MW-91	03/20/2000	PROFILE	150.00	150.00	24.20	24.20
G91DDD	MW-91	03/21/2000	PROFILE	150.00	150.00	24.20	24.20
G91DEA	MW-91	03/21/2000	PROFILE	160.00	160.00	34.20	34.20
G91DEB	MW-91	03/21/2000	PROFILE	160.00	160.00	34.20	34.20
G91DFA	MW-91	03/21/2000	PROFILE	170.00	170.00	44.20	44.20
G91DGA	MW-91	03/21/2000	PROFILE	180.00	180.00	54.20	54.20
G91DHA	MW-91	03/21/2000	PROFILE	190.00	190.00	64.20	64.20
G91DHD	MW-91	03/21/2000	PROFILE	190.00	190.00	64.20	64.20
G91DIA	MW-91	03/22/2000	PROFILE	200.00	200.00	74.20	74.20
G91DJA	MW-91	03/22/2000	PROFILE	205.00	205.00	79.20	79.20
G92DAA	MW-92	03/21/2000	PROFILE	145.00	145.00	4.35	4.35
G92DBA	MW-92	03/21/2000	PROFILE	150.00	150.00	9.35	9.35
G92DCA	MW-92	03/22/2000	PROFILE	160.00	160.00	19.35	19.35
G92DDA	MW-92	03/22/2000	PROFILE	170.00	170.00	29.35	29.35

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

TABLE 2
SAMPLING PROGRESS
3/1/2000-3/31/2000

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G92DDD	MW-92	03/22/2000	PROFILE	170.00	170.00	29.35	29.35
G92DEA	MW-92	03/22/2000	PROFILE	180.00	180.00	39.35	39.35
G92DFA	MW-92	03/22/2000	PROFILE	190.00	190.00	49.35	49.35
G92DGA	MW-92	03/22/2000	PROFILE	200.00	200.00	59.35	59.35
G92DHA	MW-92	03/22/2000	PROFILE	210.00	210.00	69.35	69.35
G92DIA	MW-92	03/24/2000	PROFILE	220.00	220.00	79.35	79.35
G92DID	MW-92	03/24/2000	PROFILE	220.00	220.00	79.35	79.35
G93DAA	MW-93	03/30/2000	PROFILE	135.00	135.00	5.50	5.50
G93DBA	MW-93	03/30/2000	PROFILE	140.00	140.00	10.50	10.50
G93DCA	MW-93	03/30/2000	PROFILE	150.00	150.00	20.50	20.50
G93DDA	MW-93	03/31/2000	PROFILE	160.00	160.00	30.50	30.50
G93DEA	MW-93	03/31/2000	PROFILE	170.00	170.00	40.50	40.50
G93DED	MW-93	03/31/2000	PROFILE	170.00	170.00	40.50	40.50
G93DFA	MW-93	03/31/2000	PROFILE	180.00	180.00	50.50	50.50
G93DGA	MW-93	03/31/2000	PROFILE	190.00	190.00	60.50	60.50
G93DHA	MW-93	03/31/2000	PROFILE	200.00	200.00	70.50	70.50
G93DHD	MW-93	03/31/2000	PROFILE	200.00	200.00	70.50	70.50
G93DIA	MW-93	03/31/2000	PROFILE	210.00	210.00	80.50	80.50
G94DAA	MW-94	03/31/2000	PROFILE	130.00	132.00	4.20	6.20
PP77MCA	PP77M	03/07/2000	PROFILE	120.00	125.00	35.00	40.00
PP77MDA	PP77M	03/07/2000	PROFILE	130.00	135.00	45.00	50.00
P01-A	01-A	03/10/2000	SOIL BORING	0.00	0.50		
P01-B	01-B	03/10/2000	SOIL BORING	1.50	2.00		
P02-A	02-A	03/10/2000	SOIL BORING	0.00	0.50		
P02-B	02-B	03/10/2000	SOIL BORING	1.50	2.00		
P03-A	03-A	03/10/2000	SOIL BORING	0.00	0.50		
P03-B	03-B	03/10/2000	SOIL BORING	1.50	2.00		
P04-A	04-A	03/10/2000	SOIL BORING	0.00	0.50		
P04-B	04-B	03/10/2000	SOIL BORING	1.50	2.00		
P05-A	05-A	03/10/2000	SOIL BORING	0.00	0.50		
P05-B	05-B	03/10/2000	SOIL BORING	1.50	2.00		
P06-A	06-A	03/10/2000	SOIL BORING	0.00	0.50		
P06-B	06-B	03/10/2000	SOIL BORING	1.50	2.00		
P10-A	10-A	03/09/2000	SOIL BORING	0.00	0.50		
P10-B	10-B	03/09/2000	SOIL BORING	1.50	2.00		
P11-A	11-A	03/09/2000	SOIL BORING	0.00	0.50		
P11-B	11-B	03/09/2000	SOIL BORING	1.50	2.00		
P13-A	13-A	03/10/2000	SOIL BORING	0.00	0.50		
P13-B	13-B	03/10/2000	SOIL BORING	1.50	2.00		
S87AAA	MW-87	03/10/2000	SOIL BORING	0.00	0.50		
S87BAA	MW-87	03/10/2000	SOIL BORING	1.50	2.00		
S88DAA	MW-88	03/10/2000	SOIL BORING	0.00	0.50		
S88DBA	MW-88	03/10/2000	SOIL BORING	1.50	2.00		
S88DCA	MW-88	03/02/2000	SOIL BORING	10.00	12.00		
S88DDA	MW-88	03/02/2000	SOIL BORING	20.00	24.00		
S88DEA	MW-88	03/03/2000	SOIL BORING	35.00	37.00		
S88DFA	MW-88	03/03/2000	SOIL BORING	40.00	42.00		
S88DGA	MW-88	03/03/2000	SOIL BORING	50.00	52.00		
S88DHA	MW-88	03/03/2000	SOIL BORING	60.00	62.00		
S88DHD	MW-88	03/03/2000	SOIL BORING	60.00	62.00		

Profiling methods include: Volatiles and Explosives
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Other Sample Types methods are variable
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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
3/1/2000-3/31/2000

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
S88DIA	MW-88	03/03/2000	SOIL BORING	70.00	72.00		
S88DJA	MW-88	03/03/2000	SOIL BORING	80.00	82.00		
S88DKA	MW-88	03/03/2000	SOIL BORING	90.00	92.00		
S88DLA	MW-88	03/06/2000	SOIL BORING	100.00	102.00		
S88DMA	MW-88	03/06/2000	SOIL BORING	110.00	112.00		
S88DMD	MW-88	03/06/2000	SOIL BORING	110.00	112.00		
S88DNA	MW-88	03/06/2000	SOIL BORING	120.00	122.00		
S88DOA	MW-88	03/06/2000	SOIL BORING	130.00	132.00		
S88DPA	MW-88	03/06/2000	SOIL BORING	140.00	142.00		
S89DAA	MW-89	03/10/2000	SOIL BORING	0.00	0.50		
S89DBA	MW-89	03/10/2000	SOIL BORING	1.50	2.00		
S89DCA	MW-89	03/02/2000	SOIL BORING	10.00	12.00		
S89DDA	MW-89	03/02/2000	SOIL BORING	20.00	24.00		
S89DEA	MW-89	03/03/2000	SOIL BORING	30.00	32.00		
S89DFA	MW-89	03/03/2000	SOIL BORING	40.00	44.00		
S89DGA	MW-89	03/03/2000	SOIL BORING	50.00	52.00		
S89DGD	MW-89	03/03/2000	SOIL BORING	50.00	52.00		
S89DHA	MW-89	03/03/2000	SOIL BORING	60.00	64.00		
S89DIA	MW-89	03/03/2000	SOIL BORING	70.00	72.00		
S89DJA	MW-89	03/06/2000	SOIL BORING	80.00	84.00		
S89DKA	MW-89	03/06/2000	SOIL BORING	90.00	92.00		
S89DLA	MW-89	03/06/2000	SOIL BORING	100.00	102.00		
S89DLD	MW-89	03/06/2000	SOIL BORING	100.00	102.00		
S89DMA	MW-89	03/06/2000	SOIL BORING	110.00	112.00		
S89DNA	MW-89	03/06/2000	SOIL BORING	120.00	122.00		
S89DOA	MW-89	03/06/2000	SOIL BORING	130.00	132.00		
S89DPA	MW-89	03/06/2000	SOIL BORING	140.00	142.00		
S90DAA	MW-90	03/24/2000	SOIL BORING	0.00	0.50		
S90DBA	MW-90	03/24/2000	SOIL BORING	1.50	2.00		
S90DCA	MW-90	03/15/2000	SOIL BORING	10.00	12.00		
S90DDA	MW-90	03/16/2000	SOIL BORING	20.00	22.00		
S90DEA	MW-90	03/16/2000	SOIL BORING	30.00	32.00		
S90DFA	MW-90	03/16/2000	SOIL BORING	40.00	42.00		
S90DGA	MW-90	03/16/2000	SOIL BORING	50.00	52.00		
S90DHA	MW-90	03/16/2000	SOIL BORING	60.00	62.00		
S90DIA	MW-90	03/16/2000	SOIL BORING	70.00	72.00		
S90DJA	MW-90	03/16/2000	SOIL BORING	80.00	82.00		
S90DKA	MW-90	03/16/2000	SOIL BORING	90.00	92.00		
S90DLA	MW-90	03/16/2000	SOIL BORING	100.00	102.00		
S90DMA	MW-90	03/16/2000	SOIL BORING	110.00	112.00		
S90DNA	MW-90	03/16/2000	SOIL BORING	120.00	122.00		
S91DAA	MW-91	03/24/2000	SOIL BORING	0.00	0.50		
S91DBA	MW-91	03/24/2000	SOIL BORING	1.50	2.00		
S91DCA	MW-91	03/15/2000	SOIL BORING	15.00	17.00		
S91DDA	MW-91	03/15/2000	SOIL BORING	25.00	27.00		
S91DEA	MW-91	03/15/2000	SOIL BORING	35.00	37.00		
S91DFA	MW-91	03/16/2000	SOIL BORING	45.00	47.00		
S91DGA	MW-91	03/16/2000	SOIL BORING	55.00	57.00		
S91DGD	MW-91	03/16/2000	SOIL BORING	55.00	57.00		
S91DHA	MW-91	03/16/2000	SOIL BORING	65.00	67.00		

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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TABLE 2
SAMPLING PROGRESS
3/1/2000-3/31/2000

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
S91DIA	MW-91	03/16/2000	SOIL BORING	75.00	77.00		
S91DJA	MW-91	03/16/2000	SOIL BORING	85.00	87.00		
S91DKA	MW-91	03/16/2000	SOIL BORING	95.00	97.00		
S91DLA	MW-91	03/16/2000	SOIL BORING	105.00	107.00		
S91DMA	MW-91	03/16/2000	SOIL BORING	115.00	117.00		
S91DMD	MW-91	03/16/2000	SOIL BORING	115.00	117.00		
S92DCA	MW-92	03/16/2000	SOIL BORING	10.00	12.00		
S92DDA	MW-92	03/16/2000	SOIL BORING	22.00	24.00		
S92DEA	MW-92	03/16/2000	SOIL BORING	30.00	32.00		
S92DFA	MW-92	03/16/2000	SOIL BORING	40.00	42.00		
S92DGA	MW-92	03/16/2000	SOIL BORING	50.00	52.00		
S92DHA	MW-92	03/20/2000	SOIL BORING	62.00	66.00		
S92DHD	MW-92	03/20/2000	SOIL BORING	60.00	66.00		
S92DIA	MW-92	03/20/2000	SOIL BORING	70.00	74.00		
S92DJA	MW-92	03/20/2000	SOIL BORING	82.00	84.00		
S92DKA	MW-92	03/20/2000	SOIL BORING	90.00	94.00		
S92DLA	MW-92	03/20/2000	SOIL BORING	100.00	104.00		
S92DMA	MW-92	03/20/2000	SOIL BORING	110.00	114.00		
S92DNA	MW-92	03/20/2000	SOIL BORING	120.00	124.00		
S92DOA	MW-92	03/21/2000	SOIL BORING	130.00	134.00		
S92DOD	MW-92	03/21/2000	SOIL BORING	130.00	134.00		
S93DCA	MW-93	03/28/2000	SOIL BORING	10.00	12.00		
S93DDA	MW-93	03/28/2000	SOIL BORING	22.00	24.00		
S93DEA	MW-93	03/28/2000	SOIL BORING	30.00	32.00		
S93DFA	MW-93	03/29/2000	SOIL BORING	40.00	42.00		
S93DGA	MW-93	03/29/2000	SOIL BORING	50.00	52.00		
S93DHA	MW-93	03/29/2000	SOIL BORING	60.00	62.00		
S93DHD	MW-93	03/29/2000	SOIL BORING	60.00	62.00		
S93DIA	MW-93	03/29/2000	SOIL BORING	70.00	72.00		
S93DJA	MW-93	03/30/2000	SOIL BORING	80.00	82.00		
S93DKA	MW-93	03/30/2000	SOIL BORING	90.00	92.00		
S93DLA	MW-93	03/30/2000	SOIL BORING	100.00	102.00		
S93DMA	MW-93	03/30/2000	SOIL BORING	110.00	112.00		
S93DMD	MW-93	03/30/2000	SOIL BORING	110.00	112.00		
S93DNA	MW-93	03/30/2000	SOIL BORING	120.00	122.00		
S93DOA	MW-93	03/30/2000	SOIL BORING	130.00	132.00		
S94DCA	MW-94	03/29/2000	SOIL BORING	10.00	12.00		
S94DDA	MW-94	03/29/2000	SOIL BORING	20.00	24.00		
S94DEA	MW-94	03/29/2000	SOIL BORING	30.00	32.00		
S94DFA	MW-94	03/30/2000	SOIL BORING	40.00	42.00		
S94DGA	MW-94	03/30/2000	SOIL BORING	50.00	52.00		
S94DHA	MW-94	03/30/2000	SOIL BORING	60.00	62.00		
S94DIA	MW-94	03/30/2000	SOIL BORING	70.00	72.00		
S94DID	MW-94	03/30/2000	SOIL BORING	70.00	72.00		
S94DJA	MW-94	03/30/2000	SOIL BORING	80.00	82.00		
S94DKA	MW-94	03/30/2000	SOIL BORING	90.00	92.00		
S94DLA	MW-94	03/30/2000	SOIL BORING	100.00	102.00		
S94DMA	MW-94	03/30/2000	SOIL BORING	110.00	112.00		
S94DMD	MW-94	03/30/2000	SOIL BORING	110.00	112.00		
S94DNA	MW-94	03/30/2000	SOIL BORING	120.00	122.00		

Profiling methods include: Volatiles and Explosives
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TABLE 2
SAMPLING PROGRESS
3/1/2000-3/31/2000

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
S95DCA	MW-95	03/31/2000	SOIL BORING	10.00	18.00		
S95DDA	MW-95	03/31/2000	SOIL BORING	20.00	22.00		
HC95B1AAA	95B	03/08/2000	SOIL GRID	0.00	0.25		
HCJ281MM	HCJ281MM	03/31/2000	SOIL GRID	0.00	0.25		
HCJ2M7LAWE	HCJ2M7LAWE	03/31/2000	SOIL GRID	0.00	0.25		
HCJ2M7LAWW	HCJ2M7LAWW	03/31/2000	SOIL GRID	0.00	0.25		
HCOHT1AAA	80Z	03/08/2000	SOIL GRID	0.00	0.25		
HCOHT4AAA	82Z	03/08/2000	SOIL GRID	0.00	0.25		
HCOHT7AAA	85Z	03/08/2000	SOIL GRID	0.00	0.25		
HCOHT8AAA	86Z	03/08/2000	SOIL GRID	0.00	0.25		
HCOHT8AAD	86Z	03/08/2000	SOIL GRID	0.00	0.25		
HDD111AAA	D111	03/16/2000	SOIL GRID	0.00	0.25		
HDD111BAA	D111	03/16/2000	SOIL GRID	0.25	0.50		
HDD111CAA	D111	03/16/2000	SOIL GRID	0.50	1.00		
HDD112AAA	D112	03/16/2000	SOIL GRID	0.00	0.25		
HDD112BAA	D112	03/16/2000	SOIL GRID	0.25	0.50		
HDD112CAA	D112	03/16/2000	SOIL GRID	0.50	1.00		
HDD113AAA	D113	03/16/2000	SOIL GRID	0.00	0.25		
HDD113BAA	D113	03/16/2000	SOIL GRID	0.25	0.50		
HDD113CAA	D113	03/16/2000	SOIL GRID	0.50	1.00		
HDJ281MM	HDJ281MM	03/31/2000	SOIL GRID	0.00	0.25		
HDJ2M7LAWE	HDJ2M7LAWE	03/31/2000	SOIL GRID	0.00	0.25		
HDJ2M7LAWW	HDJ2M7LAWW	03/31/2000	SOIL GRID	0.00	0.25		

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH MARCH 2000

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
ECMWSNP02D	ECMWSNP02D	9/13/1999	504	1,2-DIBROMOETHANE (ETHYI	110.00		NG/L	79.90	84.90	20.00	X
MW-19	W19SSA	3/5/1998	8330N	2,4,6-TRINITROTOLUENE	10.00	J	UG/L	0.00	10.00	2.00	X
MW-19	W19S2A	7/20/1998	8330N	2,4,6-TRINITROTOLUENE	16.00		UG/L	0.00	10.00	2.00	X
MW-19	W19S2D	7/20/1998	8330N	2,4,6-TRINITROTOLUENE	16.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	2/12/1999	8330N	2,4,6-TRINITROTOLUENE	7.20	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	9/10/1999	8330N	2,4,6-TRINITROTOLUENE	2.60	J	UG/L	0.00	10.00	2.00	X
58MW0002	WC2XXA	2/26/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	19.00		UG/L	0.00	0.00	2.00	X
58MW0002	WC2XXA	1/14/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	20.00		UG/L	25.00	30.00	2.00	X
58MW0002	WC2XXA	10/8/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.80		UG/L	25.00	30.00	2.00	X
58MW0009E	WC9EXA	10/2/1997	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.70		UG/L	21.00	26.00	2.00	X
58MW0009E	WC9EXA	1/26/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	17.00		UG/L	21.00	26.00	2.00	X
58MW0009E	WC9EXA	9/28/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	18.00		UG/L	21.00	26.00	2.00	X
58MW0009E	WC9EXD	9/28/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	18.00		UG/L	21.00	26.00	2.00	X
90MW0022	WF22XA	1/26/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.80		UG/L	80.00	85.00	2.00	X
90MW0022	WF22XA	2/16/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.40		UG/L	80.00	85.00	2.00	X
90MW0022	WF22XA	9/30/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.20		UG/L	80.00	85.00	2.00	X
90WT0013	WF13XA	1/16/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.20	J	UG/L	2.00	12.00	2.00	X
MW-1	W01SSA	9/30/1997	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	0.00	10.00	2.00	X
MW-1	W01SSD	9/30/1997	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	2/22/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.80		UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	9/7/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	0.00	10.00	2.00	X
MW-1	W01MMA	9/29/1997	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.60		UG/L	40.00	45.00	2.00	X
MW-1	W01M2A	3/1/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20		UG/L	40.00	45.00	2.00	X
MW-19	W19SSA	3/5/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	190.00		UG/L	0.00	10.00	2.00	X
MW-19	W19S2A	7/20/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	260.00		UG/L	0.00	10.00	2.00	X
MW-19	W19S2D	7/20/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	260.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	2/12/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	250.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	9/10/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	240.00		UG/L	0.00	10.00	2.00	X
MW-2	W02M2A	1/20/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	13.00		UG/L	31.00	36.00	2.00	X
MW-2	W02M2A	2/3/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.80		UG/L	31.00	36.00	2.00	X
MW-2	W02M2A	9/3/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.80		UG/L	31.00	36.00	2.00	X
MW-23	W23M1A	11/7/1997	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.30	J	UG/L	99.00	109.00	2.00	X
MW-23	W23M1A	3/18/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.40		UG/L	99.00	109.00	2.00	X
MW-23	W23M1D	3/18/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.70		UG/L	99.00	109.00	2.00	X
MW-23	W23M1A	9/13/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.10		UG/L	99.00	109.00	2.00	X

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>MCL/HA = 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 2000

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
MW-25	W25SSA	10/16/1997	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.00		UG/L	0.00	10.00	2.00	X
MW-25	W25SSA	3/17/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	0.00	10.00	2.00	X
MW-31	W31SSA	7/15/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	64.00		UG/L	14.00	19.00	2.00	X
MW-31	W31SSA	2/1/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	210.00		UG/L	14.00	19.00	2.00	X
MW-31	W31SSA	9/15/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	50.00		UG/L	14.00	19.00	2.00	X
MW-31	W31MMA	7/15/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	280.00		UG/L	29.00	39.00	2.00	X
MW-31	W31MMA	2/2/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	370.00		UG/L	29.00	39.00	2.00	X
MW-31	W31MMA	9/15/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	29.00	39.00	2.00	X
MW-34	W34M2A	2/19/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.20		UG/L	55.00	65.00	2.00	X
MW-37	W37M2A	9/29/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.90		UG/L	28.00	38.00	2.00	X
MW-38	W38M3A	5/6/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	53.00	63.00	2.00	X
MW-38	W38M3A	8/18/1999	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-40	W40M1A	9/21/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.80		UG/L	15.50	25.50	2.00	X
MW-40	W40M1D	9/21/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.60		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-73	W73SSA	7/9/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	50.00	J	UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	9/16/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	63.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	11/2/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	57.00		UG/L	0.00	10.00	2.00	X
MW-76	W76SSA	1/20/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	11.00		UG/L	0.00	10.00	2.00	X
MW-76	W76M2A	1/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	31.00		UG/L	35.00	45.00	2.00	X
MW-76	W76M2D	1/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	35.00	45.00	2.00	X
ASPWELL	ASPWELL	7/20/1999	E200.8	LEAD	53.00		UG/L			15.00	X
MW-1	W01SSA	9/7/1999	IM40MB	ANTIMONY	6.70	J	UG/L	0.00	10.00	6.00	X
MW-3	W03DDL	3/6/1998	IM40MB	ANTIMONY	13.80	J	UG/L	218.00	223.00	6.00	X
MW-34	W34M2A	8/16/1999	IM40MB	ANTIMONY	6.60	J	UG/L	55.00	65.00	6.00	X
MW-35	W35SSA	8/19/1999	IM40MB	ANTIMONY	6.90	J	UG/L	0.00	10.00	6.00	X
MW-35	W35SSD	8/19/1999	IM40MB	ANTIMONY	13.80	J	UG/L	0.00	10.00	6.00	X
MW-36	W36SSA	8/17/1999	IM40MB	ANTIMONY	6.70	J	UG/L	0.00	10.00	6.00	X
MW-38	W38SSA	8/18/1999	IM40MB	ANTIMONY	7.40		UG/L	0.00	10.00	6.00	X
MW-38	W38M3A	8/18/1999	IM40MB	ANTIMONY	6.60	J	UG/L	53.00	63.00	6.00	X
MW-38	W38DDA	8/17/1999	IM40MB	ANTIMONY	6.90	J	UG/L	125.00	135.00	6.00	X
MW-39	W39M1A	8/18/1999	IM40MB	ANTIMONY	7.50		UG/L	87.00	97.00	6.00	X
PPAWSMW-3	PPAWSMW-3	8/12/1999	IM40MB	ANTIMONY	6.00	J	UG/L	0.00	10.00	6.00	X
MW-7	W07M1A	9/7/1999	IM40MB	ARSENIC	52.80		UG/L	67.00	72.00	50.00	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH MARCH 2000

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
MW-52	W52M3L	8/27/1999	IM40MB	CADMIUM	12.20		UG/L	26.00	36.00	5.00	X
MW-7	W07M1A	9/7/1999	IM40MB	CHROMIUM, TOTAL	114.00		UG/L	67.00	72.00	100.00	X
MW-2	W02SSA	2/23/1998	IM40MB	LEAD	20.10		UG/L	0.00	10.00	15.00	X
MW-7	W07M1A	9/7/1999	IM40MB	LEAD	40.20		UG/L	67.00	72.00	15.00	X
MW-7	W07M1D	9/7/1999	IM40MB	LEAD	18.30		UG/L	67.00	72.00	15.00	X
MW-13	W13SSA	1/27/1998	IM40MB	MOLYBDENUM	11.20		UG/L	0.00	10.00	10.00	X
MW-13	W13SSL	1/27/1998	IM40MB	MOLYBDENUM	10.40	J	UG/L	0.00	10.00	10.00	X
MW-13	W13DDA	1/26/1998	IM40MB	MOLYBDENUM	26.60		UG/L	140.00	145.00	10.00	X
MW-13	W13DDL	1/26/1998	IM40MB	MOLYBDENUM	30.40		UG/L	140.00	145.00	10.00	X
MW-13	W13DDA	3/11/1999	IM40MB	MOLYBDENUM	11.00		UG/L	140.00	145.00	10.00	X
MW-13	W13DDD	3/11/1999	IM40MB	MOLYBDENUM	12.10	J	UG/L	140.00	145.00	10.00	X
MW-13	W13DDA	9/9/1999	IM40MB	MOLYBDENUM	17.30		UG/L	140.00	145.00	10.00	X
MW-16	W16SSA	3/10/1999	IM40MB	MOLYBDENUM	21.00	J	UG/L	0.00	10.00	10.00	X
MW-16	W16DDA	3/9/1999	IM40MB	MOLYBDENUM	22.20		UG/L	222.00	227.00	10.00	X
MW-16	W16DDD	3/9/1999	IM40MB	MOLYBDENUM	23.20		UG/L	222.00	227.00	10.00	X
MW-16	W16DDA	9/9/1999	IM40MB	MOLYBDENUM	18.00	J	UG/L	222.00	227.00	10.00	X
MW-17	W17M1L	5/18/1999	IM40MB	MOLYBDENUM	12.60		UG/L	97.00	107.00	10.00	X
MW-2	W02SSA	2/23/1998	IM40MB	MOLYBDENUM	72.10		UG/L	0.00	10.00	10.00	X
MW-2	W02SSL	2/23/1998	IM40MB	MOLYBDENUM	63.30		UG/L	0.00	10.00	10.00	X
MW-2	W02SSA	2/1/1999	IM40MB	MOLYBDENUM	26.10	J	UG/L	0.00	10.00	10.00	X
MW-2	W02SSL	2/1/1999	IM40MB	MOLYBDENUM	34.00		UG/L	0.00	10.00	10.00	X
MW-2	W02SSA	9/2/1999	IM40MB	MOLYBDENUM	29.00		UG/L	0.00	10.00	10.00	X
MW-2	W02SSL	9/2/1999	IM40MB	MOLYBDENUM	27.10		UG/L	0.00	10.00	10.00	X
MW-2	W02DDA	2/2/1999	IM40MB	MOLYBDENUM	25.60		UG/L	287.00	295.00	10.00	X
MW-2	W02DDL	2/2/1999	IM40MB	MOLYBDENUM	26.30	J	UG/L	287.00	295.00	10.00	X
MW-2	W02DDA	9/3/1999	IM40MB	MOLYBDENUM	12.80		UG/L	287.00	295.00	10.00	X
MW-46	W46M2A	3/30/1999	IM40MB	MOLYBDENUM	48.90		UG/L	55.00	65.00	10.00	X
MW-46	W46M2L	3/30/1999	IM40MB	MOLYBDENUM	51.00		UG/L	55.00	65.00	10.00	X
MW-46	W46M2A	8/24/1999	IM40MB	MOLYBDENUM	17.40		UG/L	55.00	65.00	10.00	X
MW-46	W46M1A	3/29/1999	IM40MB	MOLYBDENUM	32.80		UG/L	102.00	112.00	10.00	X
MW-46	W46DDA	4/1/1999	IM40MB	MOLYBDENUM	17.20		UG/L	135.00	145.00	10.00	X
MW-47	W47M3A	3/29/1999	IM40MB	MOLYBDENUM	43.10		UG/L	21.00	31.00	10.00	X
MW-47	W47M3L	3/29/1999	IM40MB	MOLYBDENUM	40.50		UG/L	21.00	31.00	10.00	X
MW-47	W47M2A	3/26/1999	IM40MB	MOLYBDENUM	11.00		UG/L	38.00	48.00	10.00	X
MW-48	W48M1A	11/23/1999	IM40MB	MOLYBDENUM	17.90		UG/L	90.00	100.00	10.00	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH MARCH 2000

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MW-5	W05DDA	2/13/1998	IM40MB	MOLYBDENUM	28.30		UG/L	220.00	225.00	10.00	X
MW-5	W05DDL	2/13/1998	IM40MB	MOLYBDENUM	26.60		UG/L	220.00	225.00	10.00	X
MW-50	W50M2A	4/26/1999	IM40MB	MOLYBDENUM	20.60		UG/L	59.00	69.00	10.00	X
MW-50	W50M1A	4/27/1999	IM40MB	MOLYBDENUM	11.80		UG/L	90.00	100.00	10.00	X
MW-52	W52M3A	4/7/1999	IM40MB	MOLYBDENUM	72.60		UG/L	26.00	36.00	10.00	X
MW-52	W52M3L	4/7/1999	IM40MB	MOLYBDENUM	67.60		UG/L	26.00	36.00	10.00	X
MW-52	W52M3A	8/27/1999	IM40MB	MOLYBDENUM	23.40		UG/L	26.00	36.00	10.00	X
MW-52	W52M3L	8/27/1999	IM40MB	MOLYBDENUM	23.10		UG/L	26.00	36.00	10.00	X
MW-52	W52M3L	11/8/1999	IM40MB	MOLYBDENUM	10.50		UG/L	26.00	36.00	10.00	X
MW-52	W52M2A	4/29/1999	IM40MB	MOLYBDENUM	15.30		UG/L	74.00	84.00	10.00	X
MW-52	W52M2L	4/29/1999	IM40MB	MOLYBDENUM	18.50		UG/L	74.00	84.00	10.00	X
MW-52	W52DDL	8/30/1999	IM40MB	MOLYBDENUM	26.80		UG/L	120.00	130.00	10.00	X
MW-52	W52DDA	11/9/1999	IM40MB	MOLYBDENUM	22.70		UG/L	120.00	130.00	10.00	X
MW-52	W52DDA	4/2/1999	IM40MB	MOLYBDENUM	51.10		UG/L	219.00	229.00	10.00	X
MW-52	W52DDL	4/2/1999	IM40MB	MOLYBDENUM	48.90		UG/L	219.00	229.00	10.00	X
MW-52	W52DDA	8/30/1999	IM40MB	MOLYBDENUM	28.30		UG/L	219.00	229.00	10.00	X
MW-53	W53SSA	2/17/1999	IM40MB	MOLYBDENUM	24.90		UG/L	0.00	10.00	10.00	X
MW-53	W53SSL	2/17/1999	IM40MB	MOLYBDENUM	27.60		UG/L	0.00	10.00	10.00	X
MW-53	W53M1A	5/3/1999	IM40MB	MOLYBDENUM	122.00		UG/L	100.00	110.00	10.00	X
MW-53	W53M1L	5/3/1999	IM40MB	MOLYBDENUM	132.00		UG/L	100.00	110.00	10.00	X
MW-53	W53M1A	8/30/1999	IM40MB	MOLYBDENUM	55.20		UG/L	100.00	110.00	10.00	X
MW-53	W53M1L	8/30/1999	IM40MB	MOLYBDENUM	54.10		UG/L	100.00	110.00	10.00	X
MW-53	W53M1A	11/5/1999	IM40MB	MOLYBDENUM	41.20		UG/L	100.00	110.00	10.00	X
MW-53	W53M1L	11/5/1999	IM40MB	MOLYBDENUM	38.20		UG/L	100.00	110.00	10.00	X
MW-53	W53DDA	2/18/1999	IM40MB	MOLYBDENUM	15.90		UG/L	157.00	167.00	10.00	X
MW-53	W53DDL	2/18/1999	IM40MB	MOLYBDENUM	17.40		UG/L	157.00	167.00	10.00	X
MW-53	W53DDA	8/30/1999	IM40MB	MOLYBDENUM	11.50		UG/L	157.00	167.00	10.00	X
MW-54	W54SSA	4/30/1999	IM40MB	MOLYBDENUM	56.70		UG/L	0.00	10.00	10.00	X
MW-54	W54SSL	4/30/1999	IM40MB	MOLYBDENUM	66.20		UG/L	0.00	10.00	10.00	X
MW-54	W54SSA	8/27/1999	IM40MB	MOLYBDENUM	61.40		UG/L	0.00	10.00	10.00	X
MW-54	W54SSA	11/8/1999	IM40MB	MOLYBDENUM	25.50		UG/L	0.00	10.00	10.00	X
MW-54	W54M2A	5/4/1999	IM40MB	MOLYBDENUM	11.20		UG/L	58.00	68.00	10.00	X
MW-54	W54M2L	5/4/1999	IM40MB	MOLYBDENUM	13.10		UG/L	58.00	68.00	10.00	X
MW-54	W54M2A	8/27/1999	IM40MB	MOLYBDENUM	43.70		UG/L	58.00	68.00	10.00	X
MW-54	W54M2L	8/27/1999	IM40MB	MOLYBDENUM	43.20		UG/L	58.00	68.00	10.00	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH MARCH 2000

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
MW-54	W54M2A	11/8/1999	IM40MB	MOLYBDENUM	14.50		UG/L	58.00	68.00	10.00	X
MW-54	W54M1A	4/30/1999	IM40MB	MOLYBDENUM	11.80		UG/L	80.00	90.00	10.00	X
MW-54	W54DDA	5/5/1999	IM40MB	MOLYBDENUM	17.50		UG/L	126.00	136.00	10.00	X
MW-55	W55SSA	5/17/1999	IM40MB	MOLYBDENUM	15.90		UG/L	0.00	10.00	10.00	X
MW-55	W55M2A	5/14/1999	IM40MB	MOLYBDENUM	21.80		UG/L	60.00	70.00	10.00	X
MW-55	W55M1A	5/13/1999	IM40MB	MOLYBDENUM	12.50		UG/L	90.00	100.00	10.00	X
MW-55	W55DDA	5/13/1999	IM40MB	MOLYBDENUM	22.60		UG/L	120.00	130.00	10.00	X
MW-55	W55DDA	8/30/1999	IM40MB	MOLYBDENUM	14.20		UG/L	120.00	130.00	10.00	X
MW-55	W55DDA	11/8/1999	IM40MB	MOLYBDENUM	11.00		UG/L	120.00	130.00	10.00	X
MW-63	W63SSA	9/21/1999	IM40MB	MOLYBDENUM	12.70		UG/L	0.00	10.00	10.00	X
MW-63	W63SSL	9/21/1999	IM40MB	MOLYBDENUM	11.10		UG/L	0.00	10.00	10.00	X
MW-7	W07M1A	9/7/1999	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-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	4/8/1999	IM40MB	SODIUM	37,600.00		UG/L	0.00	10.00	20,000.00	X
90WT0015	90WT0015	4/23/1999	IM40MB	SODIUM	34,300.00		UG/L	0.00	10.00	20,000.00	X
MW-16	W16SSA	11/17/1997	IM40MB	SODIUM	20,900.00		UG/L	0.00	10.00	20,000.00	X
MW-16	W16SSL	11/17/1997	IM40MB	SODIUM	20,400.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02SSA	2/23/1998	IM40MB	SODIUM	27,200.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02SSL	2/23/1998	IM40MB	SODIUM	26,300.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02SSA	2/1/1999	IM40MB	SODIUM	20,300.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02SSL	2/1/1999	IM40MB	SODIUM	20,100.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02DDA	11/19/1997	IM40MB	SODIUM	21,500.00		UG/L	287.00	295.00	20,000.00	X
MW-2	W02DDL	11/19/1997	IM40MB	SODIUM	22,600.00		UG/L	287.00	295.00	20,000.00	X
MW-21	W21SSA	10/24/1997	IM40MB	SODIUM	24,000.00		UG/L	0.00	10.00	20,000.00	X
MW-21	W21SSL	10/24/1997	IM40MB	SODIUM	24,200.00		UG/L	0.00	10.00	20,000.00	X
MW-46	W46SSA	8/25/1999	IM40MB	SODIUM	20,600.00		UG/L	0.00	10.00	20,000.00	X
MW-46	W46M2A	3/30/1999	IM40MB	SODIUM	23,300.00		UG/L	55.00	65.00	20,000.00	X
MW-46	W46M2L	3/30/1999	IM40MB	SODIUM	24,400.00		UG/L	55.00	65.00	20,000.00	X
MW-54	W54SSA	8/27/1999	IM40MB	SODIUM	33,300.00		UG/L	0.00	10.00	20,000.00	X
SDW261160	WG160L	1/7/1998	IM40MB	SODIUM	20,600.00		UG/L	0.00	0.00	20,000.00	X
SDW261160	WG160A	1/13/1999	IM40MB	SODIUM	27,200.00		UG/L	0.00	0.00	20,000.00	X

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1997 THROUGH MARCH 2000

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
SDW261160	WG160L	1/13/1999	IM40MB	SODIUM	28,200.00		UG/L	0.00	0.00	20,000.00	X
03MW0006	03MW0006	4/15/1999	IM40MB	THALLIUM	2.60	J	UG/L	0.00	10.00	2.00	X
03MW0022A	03MW0022A	4/16/1999	IM40MB	THALLIUM	3.90		UG/L	71.00	76.00	2.00	X
03MW0027A	03MW0027A	4/14/1999	IM40MB	THALLIUM	2.00	J	UG/L	64.00	69.00	2.00	X
11MW0004	11MW0004	4/16/1999	IM40MB	THALLIUM	2.30	J	UG/L	0.00	10.00	2.00	X
27MW0020Z	27MW0020Z	4/16/1999	IM40MB	THALLIUM	2.70	J	UG/L	98.00	103.00	2.00	X
90MW0038	90MW0038	4/21/1999	IM40MB	THALLIUM	4.40	J	UG/L	29.00	34.00	2.00	X
90WT0010	WF10XA	1/16/1998	IM40MB	THALLIUM	6.50	J	UG/L	2.00	12.00	2.00	X
LRWS1-4	WL14XA	1/7/1999	IM40MB	THALLIUM	5.20	J	UG/L	107.00	117.00	2.00	X
MW-1	W01SSA	9/7/1999	IM40MB	THALLIUM	2.90	J	UG/L	0.00	10.00	2.00	X
MW-18	W18SSA	3/12/1999	IM40MB	THALLIUM	2.30	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	9/10/1999	IM40MB	THALLIUM	3.80	J	UG/L	0.00	10.00	2.00	X
MW-19	W19DDL	2/11/1999	IM40MB	THALLIUM	3.10	J	UG/L	251.00	256.00	2.00	X
MW-21	W21SSA	10/24/1997	IM40MB	THALLIUM	6.90	J	UG/L	0.00	10.00	2.00	X
MW-21	W21M2A	11/1/1999	IM40MB	THALLIUM	4.00	J	UG/L	58.00	68.00	2.00	X
MW-23	W23SSA	9/14/1999	IM40MB	THALLIUM	4.70	J	UG/L	0.00	10.00	2.00	X
MW-25	W25SSA	9/14/1999	IM40MB	THALLIUM	5.30	J	UG/L	0.00	10.00	2.00	X
MW-38	W38M4A	8/18/1999	IM40MB	THALLIUM	2.80	J	UG/L	15.00	25.00	2.00	X
MW-38	W38M2A	5/11/1999	IM40MB	THALLIUM	4.90	J	UG/L	70.00	80.00	2.00	X
MW-41	W41M2A	4/2/1999	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	5/26/1999	IM40MB	THALLIUM	3.00	J	UG/L	0.00	10.00	2.00	X
MW-46	W46DDA	11/2/1999	IM40MB	THALLIUM	5.10	J	UG/L	135.00	145.00	2.00	X
MW-47	W47M3A	8/25/1999	IM40MB	THALLIUM	3.20	J	UG/L	21.00	31.00	2.00	X
MW-47	W47M2A	3/26/1999	IM40MB	THALLIUM	3.20	J	UG/L	38.00	48.00	2.00	X
MW-47	W47M2A	8/25/1999	IM40MB	THALLIUM	4.00	J	UG/L	38.00	48.00	2.00	X
MW-47	W47M1A	8/24/1999	IM40MB	THALLIUM	2.60	J	UG/L	75.00	85.00	2.00	X
MW-49	W49SSA	11/19/1999	IM40MB	THALLIUM	4.70	J	UG/L	0.00	10.00	2.00	X
MW-51	W51M3A	8/25/1999	IM40MB	THALLIUM	4.30	J	UG/L	29.00	39.00	2.00	X
MW-52	W52SSA	8/26/1999	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	W52M3L	4/7/1999	IM40MB	THALLIUM	3.60	J	UG/L	26.00	36.00	2.00	X
MW-52	W52DDA	4/2/1999	IM40MB	THALLIUM	2.80	J	UG/L	219.00	229.00	2.00	X
MW-52	W52DDL	4/2/1999	IM40MB	THALLIUM	2.60	J	UG/L	219.00	229.00	2.00	X
MW-52	W52DDA	8/30/1999	IM40MB	THALLIUM	3.80	J	UG/L	219.00	229.00	2.00	X

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1997 THROUGH MARCH 2000

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MW-53	W53M1A	11/5/1999	IM40MB	THALLIUM	3.40	J	UG/L	100.00	110.00	2.00	X
MW-54	W54SSA	11/8/1999	IM40MB	THALLIUM	7.40	J	UG/L	0.00	10.00	2.00	X
MW-54	W54M1A	8/30/1999	IM40MB	THALLIUM	2.80	J	UG/L	80.00	90.00	2.00	X
MW-54	W54M1A	11/5/1999	IM40MB	THALLIUM	3.90	J	UG/L	80.00	90.00	2.00	X
MW-55	W55M1A	8/31/1999	IM40MB	THALLIUM	2.50	J	UG/L	90.00	100.00	2.00	X
MW-7	W07MMA	2/23/1999	IM40MB	THALLIUM	4.10	J	UG/L	67.00	72.00	2.00	X
MW-7	W07M1A	9/7/1999	IM40MB	THALLIUM	26.20		UG/L	67.00	72.00	2.00	X
MW-7	W07M1D	9/7/1999	IM40MB	THALLIUM	12.70		UG/L	67.00	72.00	2.00	X
MW-7	W07M2L	2/5/1998	IM40MB	THALLIUM	6.60	J	UG/L	137.00	142.00	2.00	X
MW-7	W07M2A	2/24/1999	IM40MB	THALLIUM	4.40	J	UG/L	137.00	142.00	2.00	X
MW-72	W72SSA	5/27/1999	IM40MB	THALLIUM	4.00		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	6/22/1999	IM40MB	THALLIUM	3.10	J	UG/L	10.00	20.00	2.00	X
SMR-2	WSMR2A	3/25/1999	IM40MB	THALLIUM	2.00	J	UG/L	0.00	10.00	2.00	X
95-14	W9514A	9/28/1999	IM40MB	ZINC	2,430.00		UG/L	90.00	120.00	2,000.00	X
95-15	W9515A	10/17/1997	IM40MB	ZINC	7,210.00		UG/L	80.00	92.00	2,000.00	X
95-15	W9515L	10/17/1997	IM40MB	ZINC	4,620.00		UG/L	80.00	92.00	2,000.00	X
LRWS3-1	WL31XA	10/21/1997	IM40MB	ZINC	2,480.00		UG/L	102.00	117.00	2,000.00	X
LRWS3-1	WL31XL	10/21/1997	IM40MB	ZINC	2,410.00		UG/L	102.00	117.00	2,000.00	X
LRWS4-1	WL41XA	11/24/1997	IM40MB	ZINC	3,220.00		UG/L	66.00	91.00	2,000.00	X
LRWS4-1	WL41XL	11/24/1997	IM40MB	ZINC	3,060.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51DL	11/25/1997	IM40MB	ZINC	4,410.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51XA	11/25/1997	IM40MB	ZINC	4,510.00		UG/L	187.00	202.00	2,000.00	X
LRWS5-1	WL51XD	11/25/1997	IM40MB	ZINC	4,390.00		UG/L	187.00	202.00	2,000.00	X
LRWS5-1	WL51XL	11/25/1997	IM40MB	ZINC	3,900.00		UG/L	187.00	202.00	2,000.00	X
LRWS5-1	WL51XA	1/25/1999	IM40MB	ZINC	3,980.00		UG/L	187.00	202.00	2,000.00	X
LRWS5-1	WL51XL	1/25/1999	IM40MB	ZINC	3,770.00		UG/L	187.00	202.00	2,000.00	X
LRWS6-1	WL61XA	11/17/1997	IM40MB	ZINC	3,480.00		UG/L	184.00	199.00	2,000.00	X
LRWS6-1	WL61XL	11/17/1997	IM40MB	ZINC	2,600.00		UG/L	184.00	199.00	2,000.00	X
LRWS6-1	WL61XA	1/28/1999	IM40MB	ZINC	2,240.00		UG/L	184.00	199.00	2,000.00	X
LRWS6-1	WL61XL	1/28/1999	IM40MB	ZINC	2,200.00		UG/L	184.00	199.00	2,000.00	X
LRWS7-1	WL71XA	11/21/1997	IM40MB	ZINC	4,320.00		UG/L	186.00	201.00	2,000.00	X
LRWS7-1	WL71XL	11/21/1997	IM40MB	ZINC	3,750.00		UG/L	186.00	201.00	2,000.00	X
LRWS7-1	WL71XA	1/22/1999	IM40MB	ZINC	4,160.00		UG/L	186.00	201.00	2,000.00	X
LRWS7-1	WL71XL	1/22/1999	IM40MB	ZINC	4,100.00		UG/L	186.00	201.00	2,000.00	X

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MW-41	W41M1A	8/19/1999	OC21B	2,6-DINITROTOLUENE	5.00	J	UG/L	110.00	120.00	5.00	X
03MW0122A	WS122A	9/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	12.00		UG/L	1.00	11.00	6.00	X
11MW0003	WF143A	2/25/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00		UG/L	0.00	0.00	6.00	X
11MW0003	WF143A	9/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	24.00		UG/L	0.00	0.00	6.00	X
15MW0004	15MW0004	4/9/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	6.00		UG/L	0.00	10.00	6.00	X
15MW0008	15MW0008D	4/12/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	25.00	J	UG/L	0.00	0.00	6.00	X
28MW0106	WL28XA	2/19/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	18.00	J	UG/L	0.00	10.00	6.00	X
28MW0106	WL28XA	3/23/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	26.00		UG/L	0.00	10.00	6.00	X
58MW0002	WC2XXA	2/26/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	36.00		UG/L	0.00	0.00	6.00	X
58MW0005E	WC5EXA	9/27/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	0.00	10.00	6.00	X
58MW0006E	WC6EXA	10/3/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	59.00		UG/L	0.00	10.00	6.00	X
58MW0006E	WC6EXD	10/3/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	57.00		UG/L	0.00	10.00	6.00	X
58MW0006E	WC6EXA	1/29/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	6.00		UG/L	0.00	10.00	6.00	X
58MW0007C	WC7CXA	9/28/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	13.00		UG/L	24.00	29.00	6.00	X
90MW0054	WF12XA	10/4/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	13.00	J	UG/L	95.00	100.00	6.00	X
90WT0003	WF03XA	9/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	58.00		UG/L	0.00	10.00	6.00	X
90WT0005	WF05XA	1/13/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	47.00		UG/L	0.00	10.00	6.00	X
90WT0013	WF13XA	1/16/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	34.00		UG/L	2.00	12.00	6.00	X
90WT0013	WF13XA	1/14/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	16.00		UG/L	2.00	12.00	6.00	X
95-14	W9514A	9/28/1999	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	10/6/1999	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	10/4/1999	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	187.00	202.00	6.00	X
MW-10	W10SSA	9/16/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	39.00		UG/L	0.00	10.00	6.00	X
MW-11	W11SSA	11/6/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	33.00	J	UG/L	0.00	10.00	6.00	X
MW-11	W11SSD	11/6/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	23.00	J	UG/L	0.00	10.00	6.00	X

BWTS = DEPTH BELOW WATER TABLE, START DEPTH, MEASURED IN FEET
BWTE = DEPTH BELOW WATER TABLE, END DEPTH, MEASURED IN FEET
MCL/HA = EITHER THE MCL OR LOWEST HEALTH ADVISORY CONCENTRATION (CHILD, ADULT OR LIFETIME)
>MCL/HA = 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 2000

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
MW-12	W12SSA	11/6/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	28.00		UG/L	0.00	10.00	6.00	X
MW-14	W14SSA	11/4/1997	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	9/10/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	11.00		UG/L	223.00	233.00	6.00	X
MW-19	W19DDA	3/4/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00		UG/L	251.00	256.00	6.00	X
MW-2	W02M2A	1/20/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	24.00		UG/L	31.00	36.00	6.00	X
MW-2	W02M1A	1/21/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	10.00	J	UG/L	73.00	78.00	6.00	X
MW-2	W02DDA	2/2/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00		UG/L	287.00	295.00	6.00	X
MW-20	W20SSA	11/7/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	280.00		UG/L	0.00	10.00	6.00	X
MW-21	W21M2A	4/1/1999	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	9/20/1999	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	9/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00		UG/L	0.00	10.00	6.00	X
MW-28	W28SSA	11/3/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	11.00		UG/L	0.00	10.00	6.00	X
MW-28	W28SSA	9/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	150.00	J	UG/L	0.00	10.00	6.00	X
MW-29	W29SSA	11/3/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	16.00		UG/L	0.00	10.00	6.00	X
MW-29	W29SSA	9/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	20.00		UG/L	0.00	10.00	6.00	X
MW-36	W36M2A	8/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	59.00	69.00	6.00	X
MW-38	W38M3A	5/6/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	15.00		UG/L	53.00	63.00	6.00	X
MW-4	W04SSA	11/4/1997	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	119.00	129.00	6.00	X
MW-43	W43M1A	5/26/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	6.00		UG/L	93.00	103.00	6.00	X
MW-44	W44M1A	9/20/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	14.00		UG/L	55.00	65.00	6.00	X
MW-45	W45M1A	5/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	37.00		UG/L	98.00	108.00	6.00	X
MW-46	W46M1A	11/1/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	6.00	J	UG/L	102.00	112.00	6.00	X
MW-46	W46DDA	11/2/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	14.00	J	UG/L	135.00	145.00	6.00	X
MW-47	W47M1A	8/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	14.00		UG/L	75.00	85.00	6.00	X

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MCL/HA = EITHER THE MCL OR LOWEST HEALTH ADVISORY CONCENTRATION (CHILD, ADULT OR LIFETIME)
>MCL/HA = 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 2000

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
MW-47	W47DDA	8/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	16.00		UG/L	100.00	110.00	6.00	X
MW-5	W05DDA	2/13/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00	J	UG/L	220.00	225.00	6.00	X
MW-52	W52M3A	8/27/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00	J	UG/L	26.00	36.00	6.00	X
MW-53	W53M1A	8/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	31.00		UG/L	100.00	110.00	6.00	X
MW-53	W53DDA	2/18/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	18.00		UG/L	157.00	167.00	6.00	X
MW-55	W55DDA	5/13/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	120.00	130.00	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
RW-1	WRW1XA	2/18/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	59.00		UG/L	0.00	9.00	6.00	X
RW-1	WRW1XD	10/6/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	11.00	J	UG/L	0.00	9.00	6.00	X
90MW0003	WF03MA	10/7/1999	OC21B	NAPHTHALENE	33.00		UG/L	60.00	65.00	20.00	X
MW-45	W45SSA	5/26/1999	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	10/7/1999	OC21V	1,2-DICHLOROETHANE	5.00		UG/L	60.00	65.00	5.00	X
03MW0007A	03MW0007A	4/13/1999	OC21V	TETRACHLOROETHYLENE(P	6.00		UG/L	21.00	26.00	5.00	X
03MW0014A	03MW0014A	4/13/1999	OC21V	TETRACHLOROETHYLENE(P	8.00		UG/L	38.00	43.00	5.00	X
03MW0020	03MW0020	4/14/1999	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
27MW0017B	27MW0017B	4/30/1999	OC21V	VINYL CHLORIDE	2.00		UG/L	21.00	26.00	2.00	X
PPAWSMW-1	PPAWSMW-1	6/22/1999	OL21P	DIELDRIN	3.00		UG/L	10.00	20.00	0.50	X

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>MCL/HA = 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 2/16/00-03/31/00

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
HCDEMO137MM	HCDEMO137MM	03/06/2000	CRATER GRAB	0.00	0.25			8330N	2,4,6-TRINITROTOLUENE	YES
HCDEMO137MM	HCDEMO137MM	03/06/2000	CRATER GRAB	0.00	0.25			8330N	2-AMINO-4,6-DINITROTOLUENE	YES
HCDEMO137MM	HCDEMO137MM	03/06/2000	CRATER GRAB	0.00	0.25			8330N	4-AMINO-2,6-DINITROTOLUENE	YES
HDDEMO137MM	HDDEMO137MM	03/06/2000	CRATER GRAB	0.00	0.25			8330N	2,4,6-TRINITROTOLUENE	YES
HDDEMO137MM	HDDEMO137MM	03/06/2000	CRATER GRAB	0.00	0.25			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W57SSA	MW-57	03/22/2000	GROUNDWATER	85.00	95.00	0.00	10.00	8330N	1,3,5-TRINITROBENZENE	NO
W57SSD	MW-57	03/22/2000	GROUNDWATER	85.00	95.00	0.00	10.00	8330N	1,3,5-TRINITROBENZENE	NO
G88DAA	MW-88	03/06/2000	PROFILE	150.00	150.00	7.20	7.20	8330N	1,3,5-TRINITROBENZENE	NO
G88DAA	MW-88	03/06/2000	PROFILE	150.00	150.00	7.20	7.20	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G88DAA	MW-88	03/06/2000	PROFILE	150.00	150.00	7.20	7.20	8330N	3-NITROTOLUENE	NO
G88DAA	MW-88	03/06/2000	PROFILE	150.00	150.00	7.20	7.20	8330N	4-NITROTOLUENE	NO
G88DAA	MW-88	03/06/2000	PROFILE	150.00	150.00	7.20	7.20	8330N	NITROGLYCERIN	NO
G88DBA	MW-88	03/07/2000	PROFILE	150.00	150.00	7.20	7.20	8330N	1,3,5-TRINITROBENZENE	NO
G88DBA	MW-88	03/07/2000	PROFILE	150.00	150.00	7.20	7.20	8330N	3-NITROTOLUENE	NO
G88DBA	MW-88	03/07/2000	PROFILE	150.00	150.00	7.20	7.20	8330N	4-NITROTOLUENE	NO
G88DBA	MW-88	03/07/2000	PROFILE	150.00	150.00	7.20	7.20	8330N	NITROGLYCERIN	NO
G88DCA	MW-88	03/07/2000	PROFILE	160.00	160.00	17.20	17.20	8330N	1,3,5-TRINITROBENZENE	NO
G88DCA	MW-88	03/07/2000	PROFILE	160.00	160.00	17.20	17.20	8330N	3-NITROTOLUENE	NO
G88DCA	MW-88	03/07/2000	PROFILE	160.00	160.00	17.20	17.20	8330N	NITROGLYCERIN	NO
G88DDA	MW-88	03/07/2000	PROFILE	170.00	170.00	27.20	27.20	8330N	1,3,5-TRINITROBENZENE	NO
G88DDA	MW-88	03/07/2000	PROFILE	170.00	170.00	27.20	27.20	8330N	NITROGLYCERIN	NO
G88DEA	MW-88	03/07/2000	PROFILE	180.00	180.00	37.20	37.20	8330N	NITROGLYCERIN	NO
G88DFA	MW-88	03/07/2000	PROFILE	190.00	190.00	47.20	47.20	8330N	NITROGLYCERIN	NO
G88DGA	MW-88	03/08/2000	PROFILE	200.00	200.00	57.20	57.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G88DGA	MW-88	03/08/2000	PROFILE	200.00	200.00	57.20	57.20	8330N	NITROGLYCERIN	NO
G88DHA	MW-88	03/08/2000	PROFILE	210.00	210.00	67.20	67.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G88DHA	MW-88	03/08/2000	PROFILE	210.00	210.00	67.20	67.20	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G88DHA	MW-88	03/08/2000	PROFILE	210.00	210.00	67.20	67.20	8330N	PICRIC ACID	NO
G88DIA	MW-88	03/08/2000	PROFILE	220.00	220.00	77.20	77.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G88DIA	MW-88	03/08/2000	PROFILE	220.00	220.00	77.20	77.20	8330N	NITROGLYCERIN	NO
G88DIA	MW-88	03/08/2000	PROFILE	220.00	220.00	77.20	77.20	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G88DJA	MW-88	03/08/2000	PROFILE	230.00	230.00	87.20	87.20	8330N	NITROGLYCERIN	NO
G88DKA	MW-88	03/08/2000	PROFILE	240.00	240.00	97.20	97.20	8330N	NITROGLYCERIN	NO

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

TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 2/16/00-03/31/00

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G88DLA	MW-88	03/08/2000	PROFILE	245.00	245.00	102.20	102.20	8330N	NITROGLYCERIN	NO
G89DAA	MW-89	03/06/2000	PROFILE	145.00	145.00	0.65	0.65	8330N	1,3,5-TRINITROBENZENE	NO
G89DAA	MW-89	03/06/2000	PROFILE	145.00	145.00	0.65	0.65	8330N	NITROGLYCERIN	NO
G89DBA	MW-89	03/07/2000	PROFILE	150.00	150.00	5.65	5.65	8330N	1,3,5-TRINITROBENZENE	NO
G89DBA	MW-89	03/07/2000	PROFILE	150.00	150.00	5.65	5.65	8330N	NITROGLYCERIN	NO
G89DCA	MW-89	03/07/2000	PROFILE	160.00	160.00	15.65	15.65	8330N	NITROGLYCERIN	NO
G89DDA	MW-89	03/07/2000	PROFILE	170.00	170.00	25.65	25.65	8330N	NITROGLYCERIN	NO
G89DEA	MW-89	03/07/2000	PROFILE	180.00	180.00	35.65	35.65	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G89DEA	MW-89	03/07/2000	PROFILE	180.00	180.00	35.65	35.65	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G89DFA	MW-89	03/07/2000	PROFILE	190.00	190.00	45.65	45.65	8330N	1,3,5-TRINITROBENZENE	NO
G89DFA	MW-89	03/07/2000	PROFILE	190.00	190.00	45.65	45.65	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G89DFA	MW-89	03/07/2000	PROFILE	190.00	190.00	45.65	45.65	8330N	NITROGLYCERIN	NO
G89DGA	MW-89	03/07/2000	PROFILE	200.00	200.00	55.65	55.65	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G89DHA	MW-89	03/07/2000	PROFILE	210.00	210.00	65.65	65.65	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G89DHA	MW-89	03/07/2000	PROFILE	210.00	210.00	65.65	65.65	8330N	NITROGLYCERIN	NO
G89DIA	MW-89	03/07/2000	PROFILE	220.00	220.00	75.65	75.65	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G89DIA	MW-89	03/07/2000	PROFILE	220.00	220.00	75.65	75.65	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G89DJA	MW-89	03/07/2000	PROFILE	230.00	230.00	85.65	85.65	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G89DJA	MW-89	03/07/2000	PROFILE	230.00	230.00	85.65	85.65	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G89DKA	MW-89	03/08/2000	PROFILE	240.00	240.00	95.65	95.65	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G89DKA	MW-89	03/08/2000	PROFILE	240.00	240.00	95.65	95.65	8330N	NITROGLYCERIN	NO
G89DLA	MW-89	03/08/2000	PROFILE	245.00	245.00	100.65	100.65	8330N	NITROGLYCERIN	NO
G90DAA	MW-90	03/16/2000	PROFILE	124.00	124.00	4.00	4.00	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
G90DAA	MW-90	03/16/2000	PROFILE	124.00	124.00	4.00	4.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G90DAA	MW-90	03/16/2000	PROFILE	124.00	124.00	4.00	4.00	8330N	NITROGLYCERIN	NO
G90DAA	MW-90	03/16/2000	PROFILE	124.00	124.00	4.00	4.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G90DBA	MW-90	03/16/2000	PROFILE	130.00	130.00	10.00	10.00	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
G90DBA	MW-90	03/16/2000	PROFILE	130.00	130.00	10.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G90DBA	MW-90	03/16/2000	PROFILE	130.00	130.00	10.00	10.00	8330N	NITROGLYCERIN	NO
G90DBA	MW-90	03/16/2000	PROFILE	130.00	130.00	10.00	10.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G90DCA	MW-90	03/20/2000	PROFILE	140.00	140.00	20.00	20.00	8330N	1,3,5-TRINITROBENZENE	NO
G90DCA	MW-90	03/20/2000	PROFILE	140.00	140.00	20.00	20.00	8330N	2,4,6-TRINITROTOLUENE	YES
G90DCA	MW-90	03/20/2000	PROFILE	140.00	140.00	20.00	20.00	8330N	3-NITROTOLUENE	NO

DATA REPORTED REFLECT CURRENT DATABASE FOR SAMPLES COLLECTED IN SPECIFIED TIMEFRAME. NOT ALL RESULTS ARE COMPLETE.
SBD = SAMPLE COLLECTION BEGIN DEPTH IN FEET BGS
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TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 2/16/00-03/31/00

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G90DCA	MW-90	03/20/2000	PROFILE	140.00	L40.00	20.00	20.00	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
G90DCA	MW-90	03/20/2000	PROFILE	140.00	L40.00	20.00	20.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G90DCA	MW-90	03/20/2000	PROFILE	140.00	L40.00	20.00	20.00	8330N	NITROGLYCERIN	NO
G90DDA	MW-90	03/20/2000	PROFILE	150.00	L50.00	30.00	30.00	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
G90DDA	MW-90	03/20/2000	PROFILE	150.00	L50.00	30.00	30.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G90DDA	MW-90	03/20/2000	PROFILE	150.00	L50.00	30.00	30.00	8330N	NITROGLYCERIN	NO
G90DEA	MW-90	03/20/2000	PROFILE	160.00	L60.00	40.00	40.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G90DEA	MW-90	03/20/2000	PROFILE	160.00	L60.00	40.00	40.00	8330N	NITROGLYCERIN	NO
G90DED	MW-90	03/20/2000	PROFILE	160.00	L60.00	40.00	40.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G90DED	MW-90	03/20/2000	PROFILE	160.00	L60.00	40.00	40.00	8330N	NITROGLYCERIN	NO
G90DFA	MW-90	03/20/2000	PROFILE	170.00	L70.00	50.00	50.00	8330N	NITROGLYCERIN	NO
G90DHA	MW-90	03/20/2000	PROFILE	190.00	L90.00	70.00	70.00	8330N	NITROGLYCERIN	NO
G90DHD	MW-90	03/20/2000	PROFILE	190.00	L90.00	90.00	90.00	8330N	NITROGLYCERIN	NO
G91DAA	MW-91	03/20/2000	PROFILE	125.00	L25.00	-0.80	-0.80	8330N	1,3,5-TRINITROBENZENE	NO
G91DAA	MW-91	03/20/2000	PROFILE	125.00	L25.00	-0.80	-0.80	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G91DAA	MW-91	03/20/2000	PROFILE	125.00	L25.00	-0.80	-0.80	8330N	NITROGLYCERIN	NO
G91DBA	MW-91	03/20/2000	PROFILE	130.00	L30.00	4.20	4.20	8330N	1,3,5-TRINITROBENZENE	NO
G91DBA	MW-91	03/20/2000	PROFILE	130.00	L30.00	4.20	4.20	8330N	2-AMINO-4,6-DINITROTOLUENE	YES
G91DBA	MW-91	03/20/2000	PROFILE	130.00	L30.00	4.20	4.20	8330N	3-NITROTOLUENE	NO
G91DBA	MW-91	03/20/2000	PROFILE	130.00	L30.00	4.20	4.20	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
G91DBA	MW-91	03/20/2000	PROFILE	130.00	L30.00	4.20	4.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G91DBA	MW-91	03/20/2000	PROFILE	130.00	L30.00	4.20	4.20	8330N	NITROGLYCERIN	NO
G91DBA	MW-91	03/20/2000	PROFILE	130.00	L30.00	4.20	4.20	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G91DCA	MW-91	03/20/2000	PROFILE	140.00	L40.00	14.20	14.20	8330N	1,3,5-TRINITROBENZENE	NO
G91DCA	MW-91	03/20/2000	PROFILE	140.00	L40.00	14.20	14.20	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
G91DCA	MW-91	03/20/2000	PROFILE	140.00	L40.00	14.20	14.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G91DCA	MW-91	03/20/2000	PROFILE	140.00	L40.00	14.20	14.20	8330N	NITROGLYCERIN	NO
G91DDA	MW-91	03/21/2000	PROFILE	150.00	L50.00	24.20	24.20	8330N	1,3,5-TRINITROBENZENE	NO
G91DDA	MW-91	03/21/2000	PROFILE	150.00	L50.00	24.20	24.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G91DDA	MW-91	03/21/2000	PROFILE	150.00	L50.00	24.20	24.20	8330N	NITROGLYCERIN	NO
G91DDB	MW-91	03/20/2000	PROFILE	150.00	L50.00	24.20	24.20	8330N	1,3,5-TRINITROBENZENE	NO
G91DDB	MW-91	03/20/2000	PROFILE	150.00	L50.00	24.20	24.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G91DDB	MW-91	03/20/2000	PROFILE	150.00	L50.00	24.20	24.20	8330N	NITROGLYCERIN	NO

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TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 2/16/00-03/31/00

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G91DDD	MW-91	03/21/2000	PROFILE	150.00	150.00	24.20	24.20	8330N	1,3,5-TRINITROBENZENE	NO
G91DDD	MW-91	03/21/2000	PROFILE	150.00	150.00	24.20	24.20	8330N	3-NITROTOLUENE	NO
G91DDD	MW-91	03/21/2000	PROFILE	150.00	150.00	24.20	24.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G91DDD	MW-91	03/21/2000	PROFILE	150.00	150.00	24.20	24.20	8330N	NITROGLYCERIN	NO
G91DEA	MW-91	03/21/2000	PROFILE	160.00	160.00	34.20	34.20	8330N	1,3,5-TRINITROBENZENE	NO
G91DEA	MW-91	03/21/2000	PROFILE	160.00	160.00	34.20	34.20	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
G91DEA	MW-91	03/21/2000	PROFILE	160.00	160.00	34.20	34.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G91DEA	MW-91	03/21/2000	PROFILE	160.00	160.00	34.20	34.20	8330N	NITROGLYCERIN	NO
G91DEB	MW-91	03/21/2000	PROFILE	160.00	160.00	34.20	34.20	8330N	1,3,5-TRINITROBENZENE	NO
G91DEB	MW-91	03/21/2000	PROFILE	160.00	160.00	34.20	34.20	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
G91DEB	MW-91	03/21/2000	PROFILE	160.00	160.00	34.20	34.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G91DEB	MW-91	03/21/2000	PROFILE	160.00	160.00	34.20	34.20	8330N	NITROGLYCERIN	NO
G91DFA	MW-91	03/21/2000	PROFILE	170.00	170.00	44.20	44.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G91DFA	MW-91	03/21/2000	PROFILE	170.00	170.00	44.20	44.20	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G91DGA	MW-91	03/21/2000	PROFILE	180.00	180.00	54.20	54.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G91DGA	MW-91	03/21/2000	PROFILE	180.00	180.00	54.20	54.20	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G91DHA	MW-91	03/21/2000	PROFILE	190.00	190.00	64.20	64.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G91DHD	MW-91	03/21/2000	PROFILE	190.00	190.00	64.20	64.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G91DHD	MW-91	03/21/2000	PROFILE	190.00	190.00	64.20	64.20	8330N	NITROGLYCERIN	NO
G92DAA	MW-92	03/21/2000	PROFILE	145.00	145.00	4.35	4.35	8330N	1,3,5-TRINITROBENZENE	NO
G92DAA	MW-92	03/21/2000	PROFILE	145.00	145.00	4.35	4.35	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G92DAA	MW-92	03/21/2000	PROFILE	145.00	145.00	4.35	4.35	8330N	2-NITROTOLUENE	NO
G92DAA	MW-92	03/21/2000	PROFILE	145.00	145.00	4.35	4.35	8330N	3-NITROTOLUENE	NO
G92DAA	MW-92	03/21/2000	PROFILE	145.00	145.00	4.35	4.35	8330N	4-NITROTOLUENE	NO
G92DAA	MW-92	03/21/2000	PROFILE	145.00	145.00	4.35	4.35	8330N	NITROGLYCERIN	NO
G92DBA	MW-92	03/21/2000	PROFILE	150.00	150.00	9.35	9.35	8330N	1,3,5-TRINITROBENZENE	NO
G92DBA	MW-92	03/21/2000	PROFILE	150.00	150.00	9.35	9.35	8330N	1,3-DINITROBENZENE	NO
G92DBA	MW-92	03/21/2000	PROFILE	150.00	150.00	9.35	9.35	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G92DBA	MW-92	03/21/2000	PROFILE	150.00	150.00	9.35	9.35	8330N	3-NITROTOLUENE	NO
G92DBA	MW-92	03/21/2000	PROFILE	150.00	150.00	9.35	9.35	8330N	4-NITROTOLUENE	NO
G92DBA	MW-92	03/21/2000	PROFILE	150.00	150.00	9.35	9.35	8330N	NITROGLYCERIN	NO
G92DCA	MW-92	03/22/2000	PROFILE	160.00	160.00	19.35	19.35	8330N	1,3,5-TRINITROBENZENE	NO
G92DCA	MW-92	03/22/2000	PROFILE	160.00	160.00	19.35	19.35	8330N	1,3-DINITROBENZENE	NO

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(UNVALIDATED)
SAMPLES COLLECTED 2/16/00-03/31/00

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G92DCA	MW-92	03/22/2000	PROFILE	160.00	160.00	19.35	19.35	8330N	2,4,6-TRINITROTOLUENE	NO
G92DCA	MW-92	03/22/2000	PROFILE	160.00	160.00	19.35	19.35	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G92DCA	MW-92	03/22/2000	PROFILE	160.00	160.00	19.35	19.35	8330N	3-NITROTOLUENE	NO
G92DCA	MW-92	03/22/2000	PROFILE	160.00	160.00	19.35	19.35	8330N	4-NITROTOLUENE	NO
G92DCA	MW-92	03/22/2000	PROFILE	160.00	160.00	19.35	19.35	8330N	NITROGLYCERIN	NO
G92DDA	MW-92	03/22/2000	PROFILE	170.00	170.00	29.35	29.35	8330N	1,3,5-TRINITROBENZENE	NO
G92DDA	MW-92	03/22/2000	PROFILE	170.00	170.00	29.35	29.35	8330N	3-NITROTOLUENE	NO
G92DDA	MW-92	03/22/2000	PROFILE	170.00	170.00	29.35	29.35	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G92DDA	MW-92	03/22/2000	PROFILE	170.00	170.00	29.35	29.35	8330N	NITROGLYCERIN	NO
G92DDD	MW-92	03/22/2000	PROFILE	170.00	170.00	29.35	29.35	8330N	1,3,5-TRINITROBENZENE	NO
G92DDD	MW-92	03/22/2000	PROFILE	170.00	170.00	29.35	29.35	8330N	3-NITROTOLUENE	NO
G92DDD	MW-92	03/22/2000	PROFILE	170.00	170.00	29.35	29.35	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G92DDD	MW-92	03/22/2000	PROFILE	170.00	170.00	29.35	29.35	8330N	NITROGLYCERIN	NO
G92DEA	MW-92	03/22/2000	PROFILE	180.00	180.00	39.35	39.35	8330N	1,3,5-TRINITROBENZENE	NO
G92DEA	MW-92	03/22/2000	PROFILE	180.00	180.00	39.35	39.35	8330N	1,3-DINITROBENZENE	NO
G92DEA	MW-92	03/22/2000	PROFILE	180.00	180.00	39.35	39.35	8330N	2,4,6-TRINITROTOLUENE	NO
G92DEA	MW-92	03/22/2000	PROFILE	180.00	180.00	39.35	39.35	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G92DEA	MW-92	03/22/2000	PROFILE	180.00	180.00	39.35	39.35	8330N	3-NITROTOLUENE	NO
G92DEA	MW-92	03/22/2000	PROFILE	180.00	180.00	39.35	39.35	8330N	4-NITROTOLUENE	NO
G92DEA	MW-92	03/22/2000	PROFILE	180.00	180.00	39.35	39.35	8330N	NITROGLYCERIN	NO
G92DFA	MW-92	03/22/2000	PROFILE	190.00	190.00	49.35	49.35	8330N	1,3,5-TRINITROBENZENE	NO
G92DFA	MW-92	03/22/2000	PROFILE	190.00	190.00	49.35	49.35	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G92DFA	MW-92	03/22/2000	PROFILE	190.00	190.00	49.35	49.35	8330N	3-NITROTOLUENE	NO
G92DFA	MW-92	03/22/2000	PROFILE	190.00	190.00	49.35	49.35	8330N	4-NITROTOLUENE	NO
G92DFA	MW-92	03/22/2000	PROFILE	190.00	190.00	49.35	49.35	8330N	NITROGLYCERIN	NO
G92DGA	MW-92	03/22/2000	PROFILE	200.00	200.00	59.35	59.35	8330N	1,3,5-TRINITROBENZENE	NO
G92DGA	MW-92	03/22/2000	PROFILE	200.00	200.00	59.35	59.35	8330N	1,3-DINITROBENZENE	NO
G92DGA	MW-92	03/22/2000	PROFILE	200.00	200.00	59.35	59.35	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G92DGA	MW-92	03/22/2000	PROFILE	200.00	200.00	59.35	59.35	8330N	3-NITROTOLUENE	NO
G92DGA	MW-92	03/22/2000	PROFILE	200.00	200.00	59.35	59.35	8330N	4-NITROTOLUENE	NO
G92DGA	MW-92	03/22/2000	PROFILE	200.00	200.00	59.35	59.35	8330N	NITROGLYCERIN	NO
G92DHA	MW-92	03/22/2000	PROFILE	210.00	210.00	69.35	69.35	8330N	NITROGLYCERIN	NO
G92DIA	MW-92	03/24/2000	PROFILE	220.00	220.00	79.35	79.35	8330N	NITROGLYCERIN	NO

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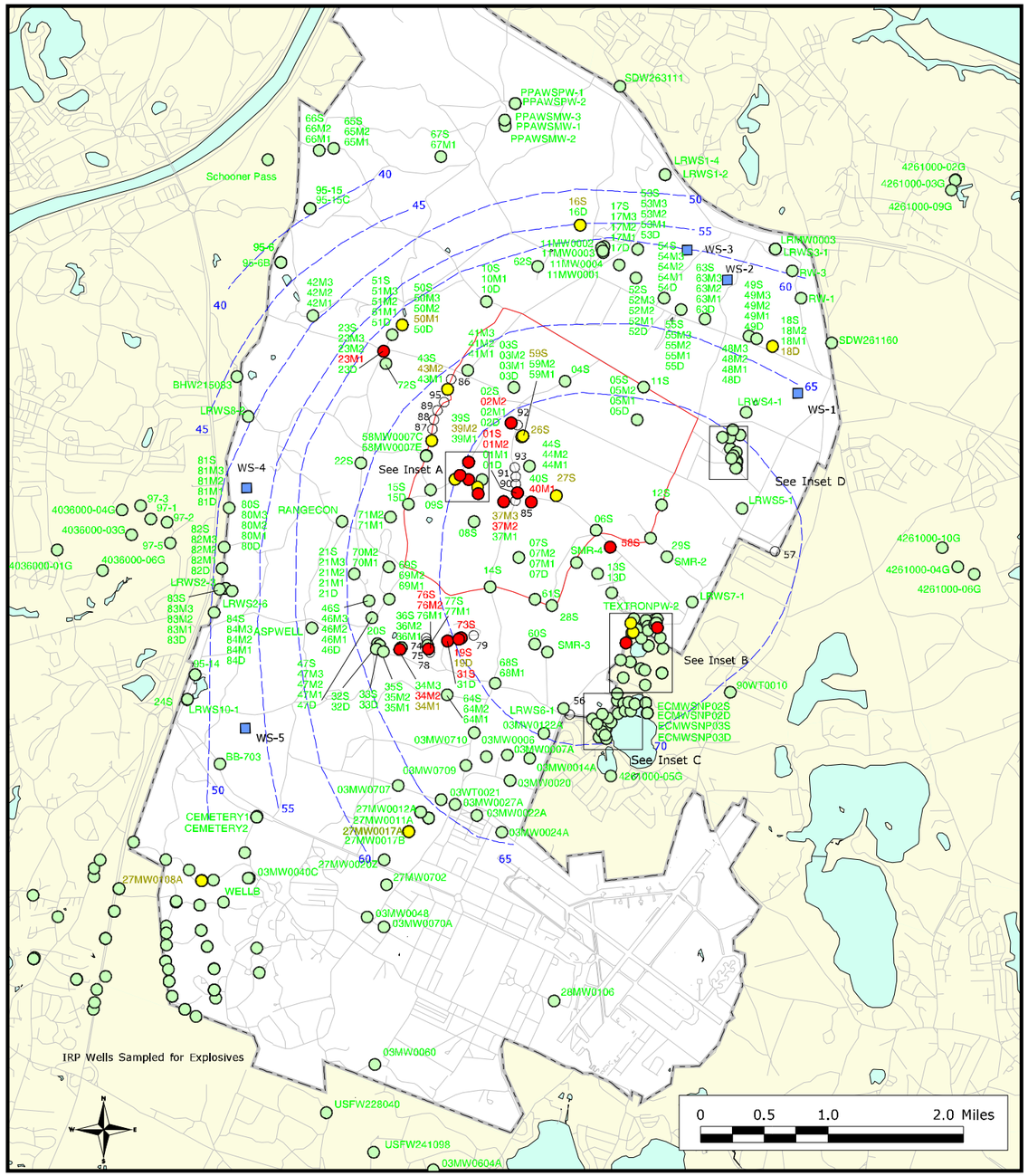
OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G92DID	MW-92	03/24/2000	PROFILE	220.00	220.00	79.35	79.35	8330N	NITROGLYCERIN	NO
G93DAA	MW-93	03/30/2000	PROFILE	135.00	135.00	5.50	5.50	8330N	1,3,5-TRINITROBENZENE	NO
G93DAA	MW-93	03/30/2000	PROFILE	135.00	135.00	5.50	5.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G93DAA	MW-93	03/30/2000	PROFILE	135.00	135.00	5.50	5.50	8330N	NITROGLYCERIN	NO
G93DAA	MW-93	03/30/2000	PROFILE	135.00	135.00	5.50	5.50	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G93DAA	MW-93	03/30/2000	PROFILE	135.00	135.00	5.50	5.50	8330N	PICRIC ACID	NO
G93DBA	MW-93	03/30/2000	PROFILE	140.00	140.00	10.50	10.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G93DBA	MW-93	03/30/2000	PROFILE	140.00	140.00	10.50	10.50	8330N	PICRIC ACID	NO
G93DCA	MW-93	03/30/2000	PROFILE	150.00	150.00	20.50	20.50	8330N	1,3,5-TRINITROBENZENE	NO
G93DCA	MW-93	03/30/2000	PROFILE	150.00	150.00	20.50	20.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G93DCA	MW-93	03/30/2000	PROFILE	150.00	150.00	20.50	20.50	8330N	NITROGLYCERIN	NO
G93DCA	MW-93	03/30/2000	PROFILE	150.00	150.00	20.50	20.50	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G93DCA	MW-93	03/30/2000	PROFILE	150.00	150.00	20.50	20.50	8330N	PICRIC ACID	NO
G93DDA	MW-93	03/31/2000	PROFILE	160.00	160.00	30.50	30.50	8330N	1,3,5-TRINITROBENZENE	NO
G93DDA	MW-93	03/31/2000	PROFILE	160.00	160.00	30.50	30.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G93DDA	MW-93	03/31/2000	PROFILE	160.00	160.00	30.50	30.50	8330N	NITROGLYCERIN	NO
G93DDA	MW-93	03/31/2000	PROFILE	160.00	160.00	30.50	30.50	8330N	PICRIC ACID	NO
G93DEA	MW-93	03/31/2000	PROFILE	170.00	170.00	40.50	40.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G93DEA	MW-93	03/31/2000	PROFILE	170.00	170.00	40.50	40.50	8330N	NITROGLYCERIN	NO
G93DED	MW-93	03/31/2000	PROFILE	170.00	170.00	40.50	40.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G93DFA	MW-93	03/31/2000	PROFILE	180.00	180.00	50.50	50.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G93DGA	MW-93	03/31/2000	PROFILE	190.00	190.00	60.50	60.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G93DHA	MW-93	03/31/2000	PROFILE	200.00	200.00	70.50	70.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G93DHD	MW-93	03/31/2000	PROFILE	200.00	200.00	70.50	70.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G93DIA	MW-93	03/31/2000	PROFILE	210.00	210.00	80.50	80.50	8330N	NITROGLYCERIN	NO
HCOHT8AAA	86Z	03/08/2000	SOIL GRID	0.00	0.25			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
HCOHT8AAD	86Z	03/08/2000	SOIL GRID	0.00	0.25			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
HDD111AAA	D111	03/16/2000	SOIL GRID	0.00	0.25			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
HDD111AAA	D111	03/16/2000	SOIL GRID	0.00	0.25			8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
HDD112AAA	D112	03/16/2000	SOIL GRID	0.00	0.25			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
HDD112AAA	D112	03/16/2000	SOIL GRID	0.00	0.25			8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
HDD112BAA	D112	03/16/2000	SOIL GRID	0.25	0.50			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
HDD112BAA	D112	03/16/2000	SOIL GRID	0.25	0.50			8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES

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

TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 2/16/00-03/31/00

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
HDD112CAA	D112	03/16/2000	SOIL GRID	0.50	1.00			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
HDD112CAA	D112	03/16/2000	SOIL GRID	0.50	1.00			8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
HDD113AAA	D113	03/16/2000	SOIL GRID	0.00	0.25			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
HDD113AAA	D113	03/16/2000	SOIL GRID	0.00	0.25			8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
HDD113BAA	D113	03/16/2000	SOIL GRID	0.25	0.50			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
HDD113BAA	D113	03/16/2000	SOIL GRID	0.25	0.50			8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
HDD113CAA	D113	03/16/2000	SOIL GRID	0.50	1.00			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES

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



Sources & Notes

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

LEGEND

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

Figure 1

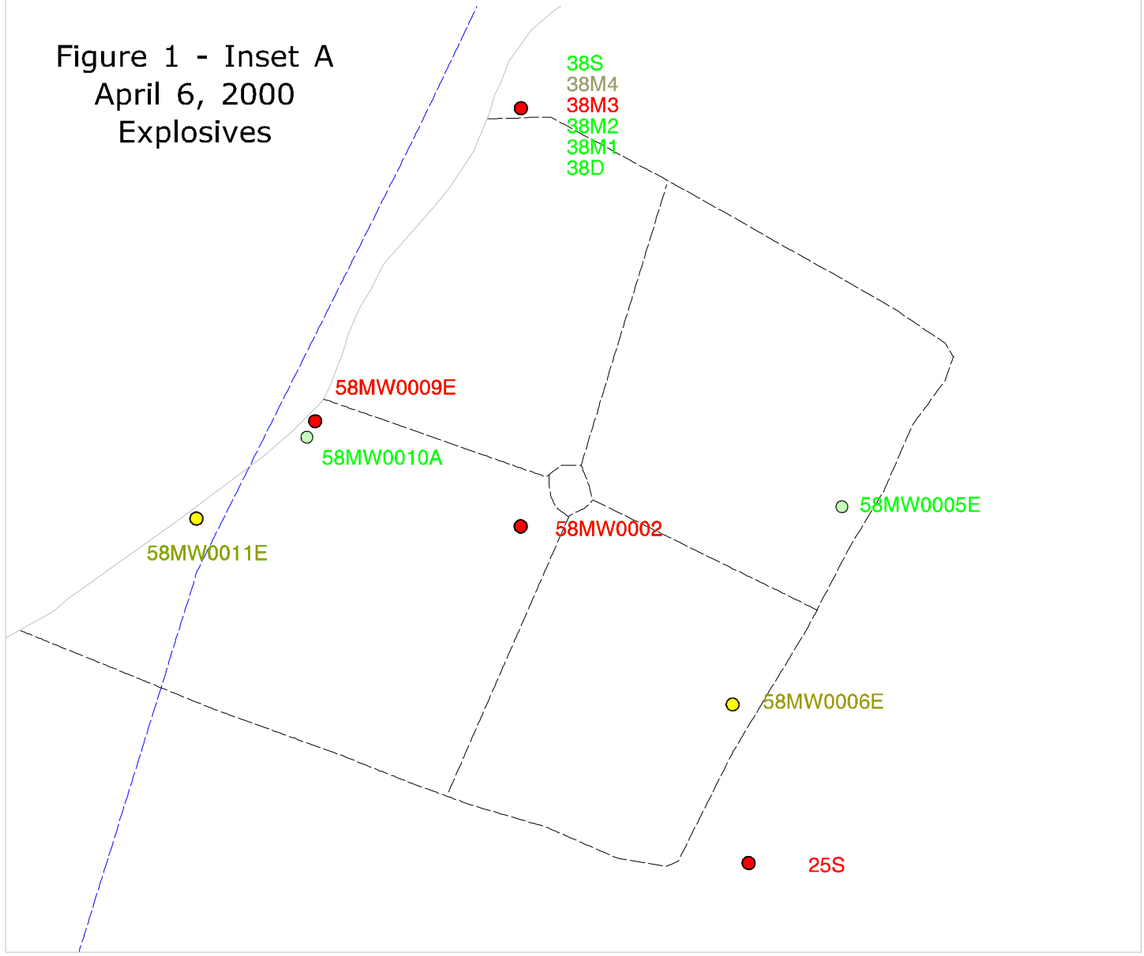
Explosives in Groundwater Compared to MCL/HAs Validated Data as of 4/3/00

Analyte Group
1

OGDEN

April 06, 2000 DRAFT g:/mmr/aj/amls/work/monthly/april2000/exp

Figure 1 - Inset A
April 6, 2000
Explosives



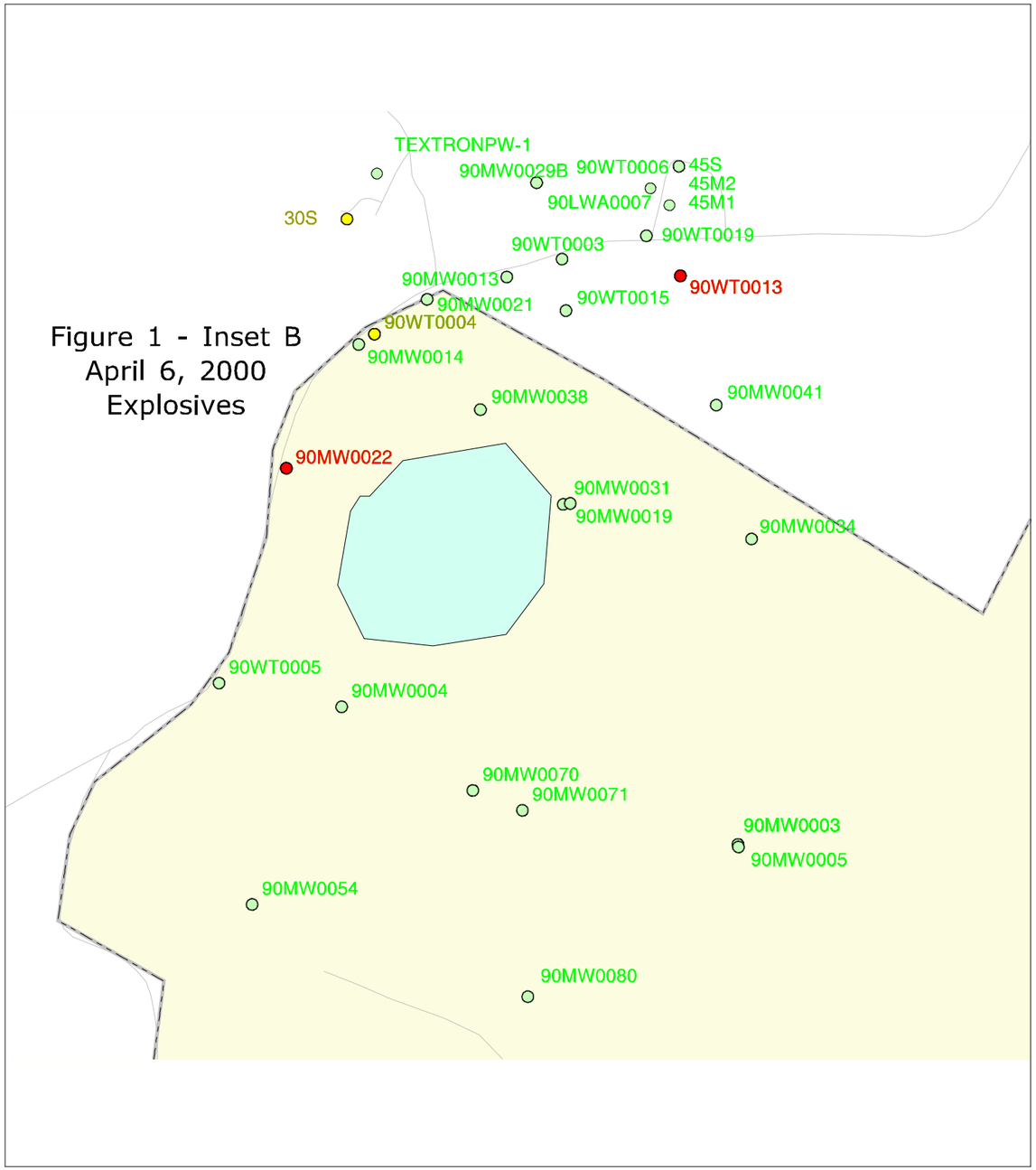


Figure 1 - Inset B
April 6, 2000
Explosives
TEXTRONPW-1
90MW0029B
90WT0006
45S
45M2
45M1
90LWA0007
30S
90WT0019
90WT0003
90MW0013
90WT0013
90MW0021
90WT0015
90WT0004
90MW0014
90MW0038
90MW0041
90MW0022
90MW0031
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90MW0034
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90MW0070
90MW0071
90MW0003
90MW0005
90MW0054
90MW0080

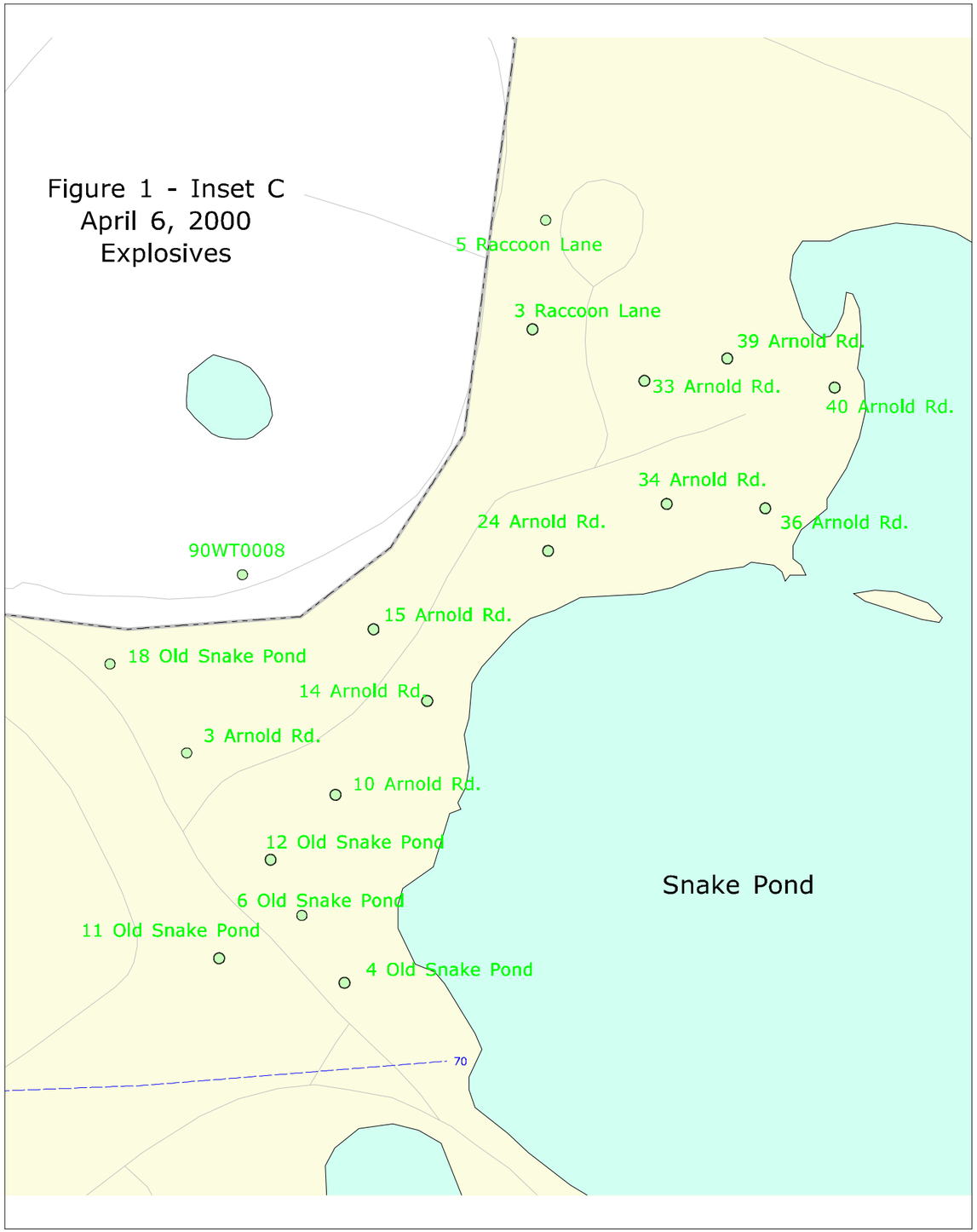


Figure 1 - Inset C
April 6, 2000
Explosives
5 Raccoon Lane
3 Raccoon Lane
39 Arnold Rd.
33 Arnold Rd.
40 Arnold Rd.
34 Arnold Rd.
24 Arnold Rd.
36 Arnold Rd.
90WT0008
15 Arnold Rd.
18 Old Snake Pond
14 Arnold Rd.
3 Arnold Rd.
10 Arnold Rd.
12 Old Snake Pond
6 Old Snake Pond
11 Old Snake Pond
4 Old Snake Pond
70
Snake Pond

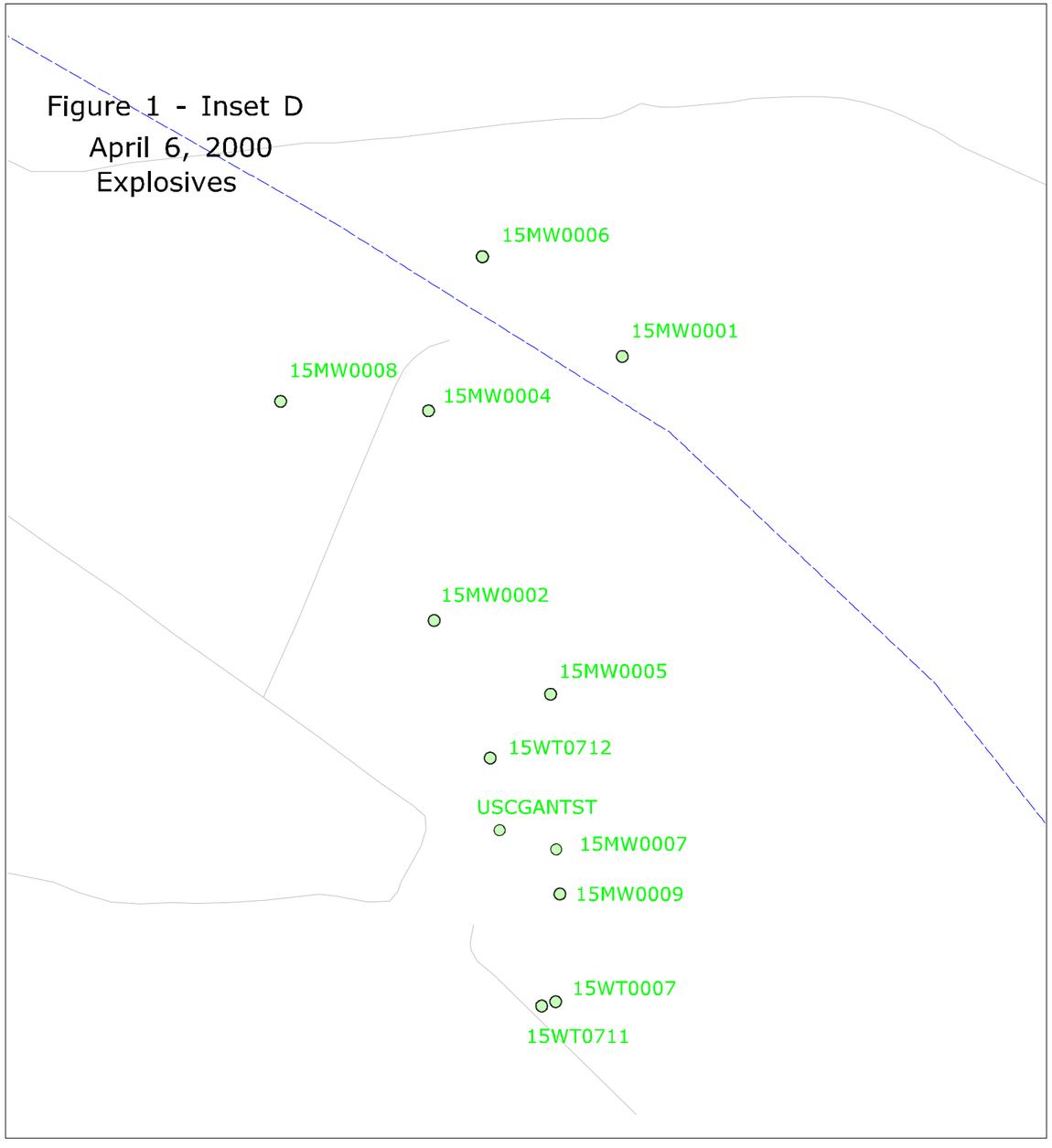
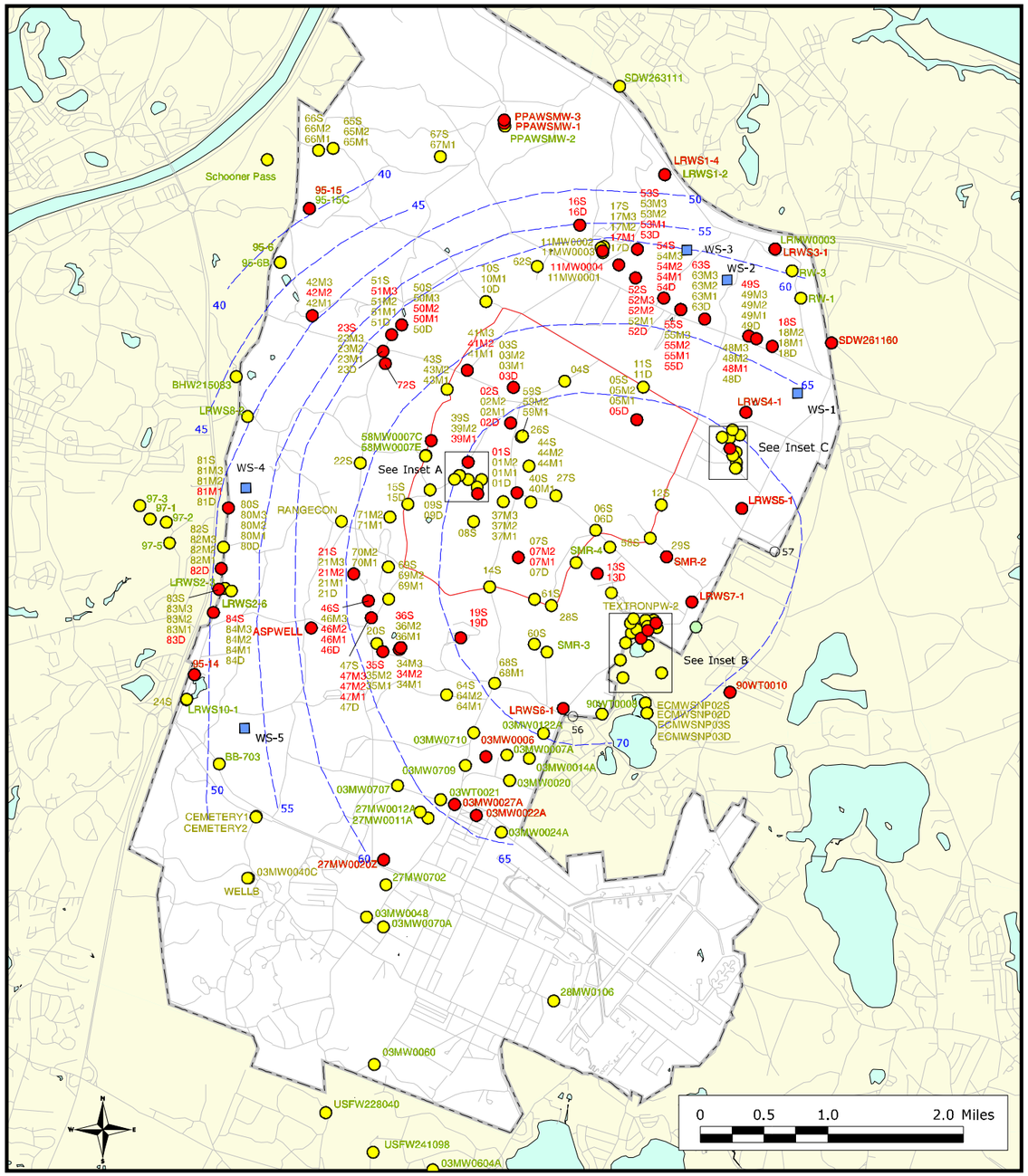


Figure 1 - Inset D
April 6, 2000
Explosives
15MW0006
15MW0001
15MW0008
15MW0004
15MW0002
15MW0005
15WT0712
USCGANTST
15MW0007
15MW0009
15WT0007
15WT0711



Sources & Notes

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

LEGEND

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

Figure 2

Metals in Groundwater Compared to MCL/HAs Validated Data as of 4/3/00

Analyte Group
2

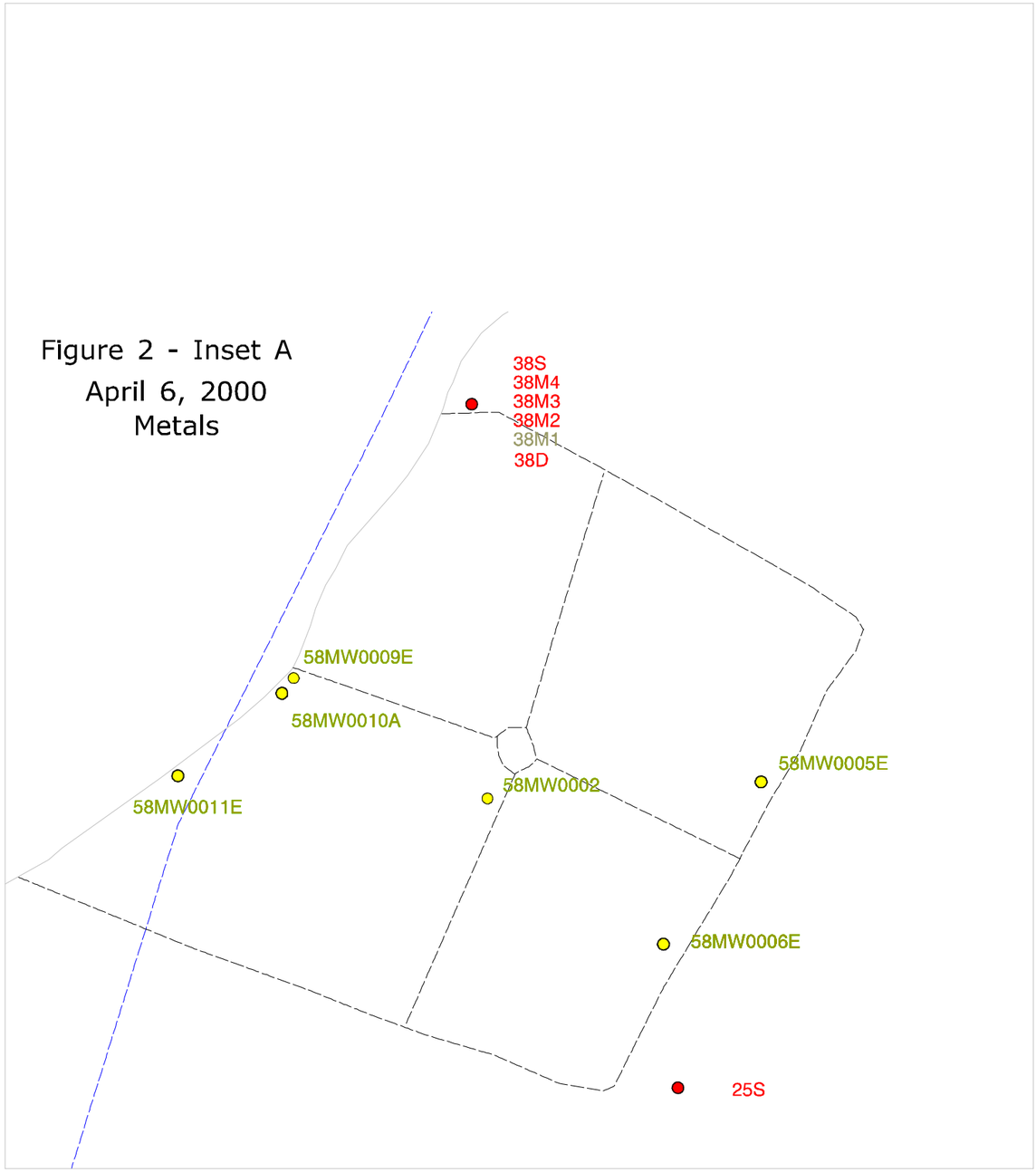
OGDEN

April 06, 2000 DRAFT g:/mmr/aj/amls/work/monthly/april2000/metals

Figure 2 - Inset A

April 6, 2000

Metals



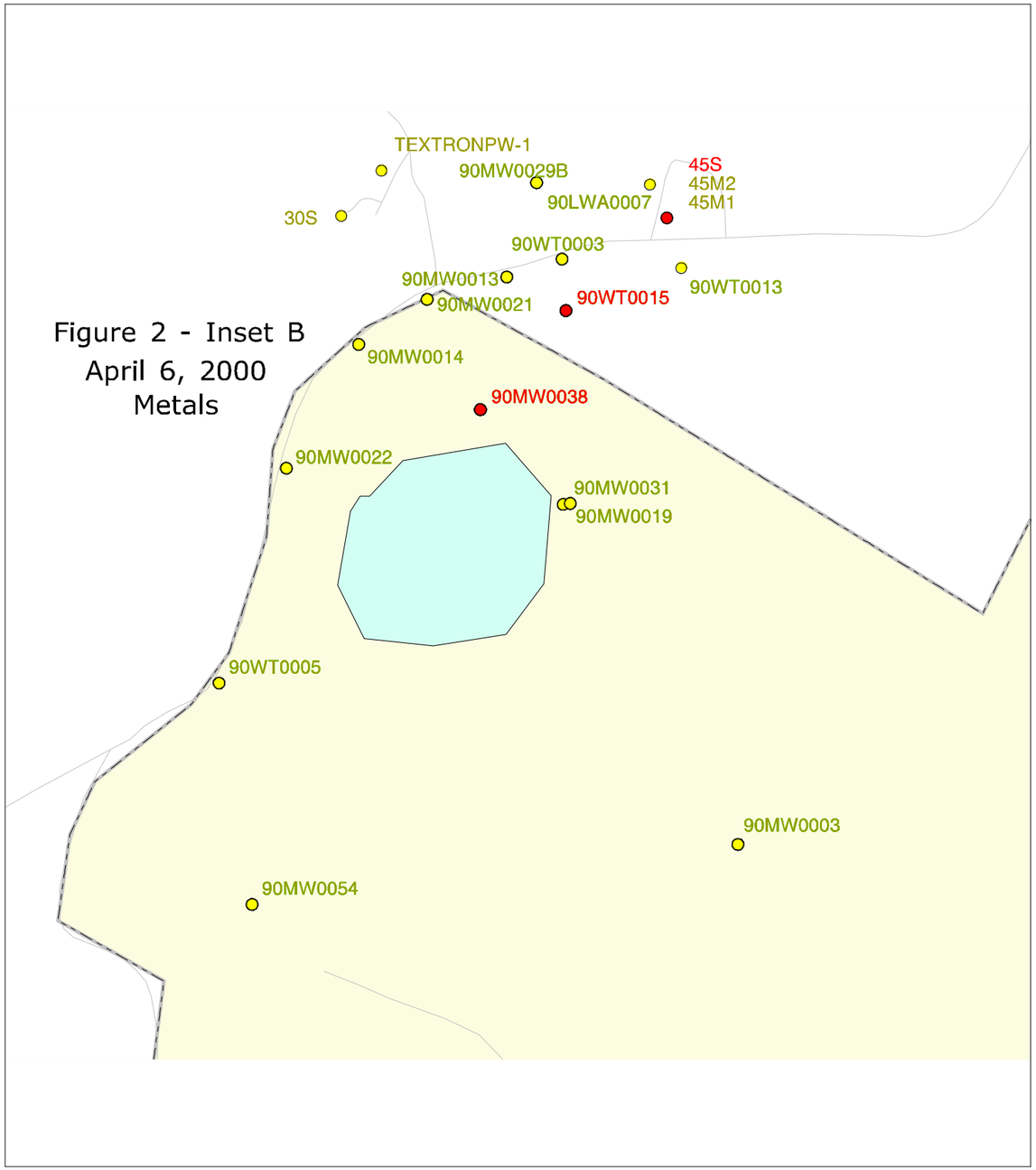


Figure 2 - Inset B
April 6, 2000
Metals

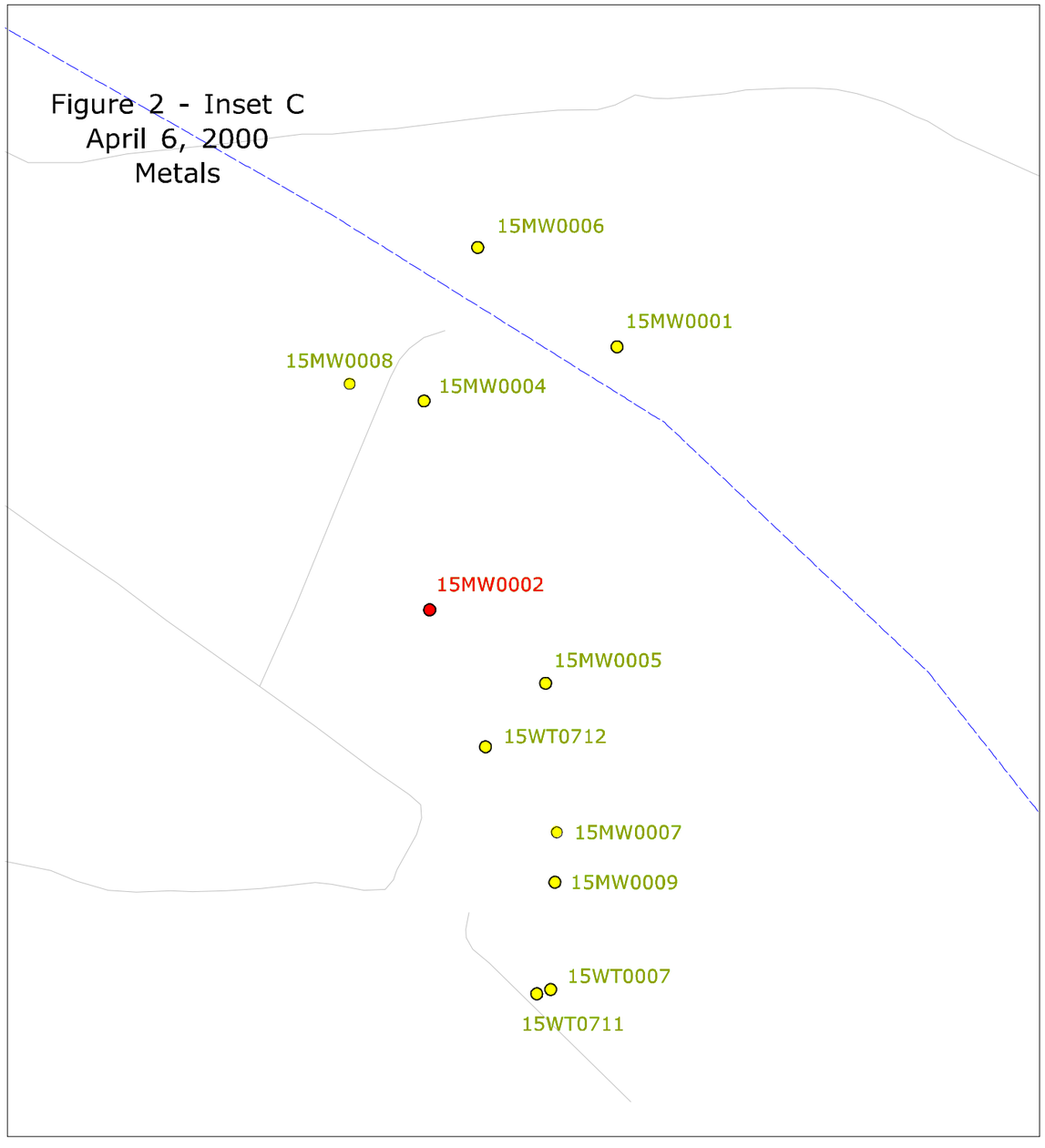
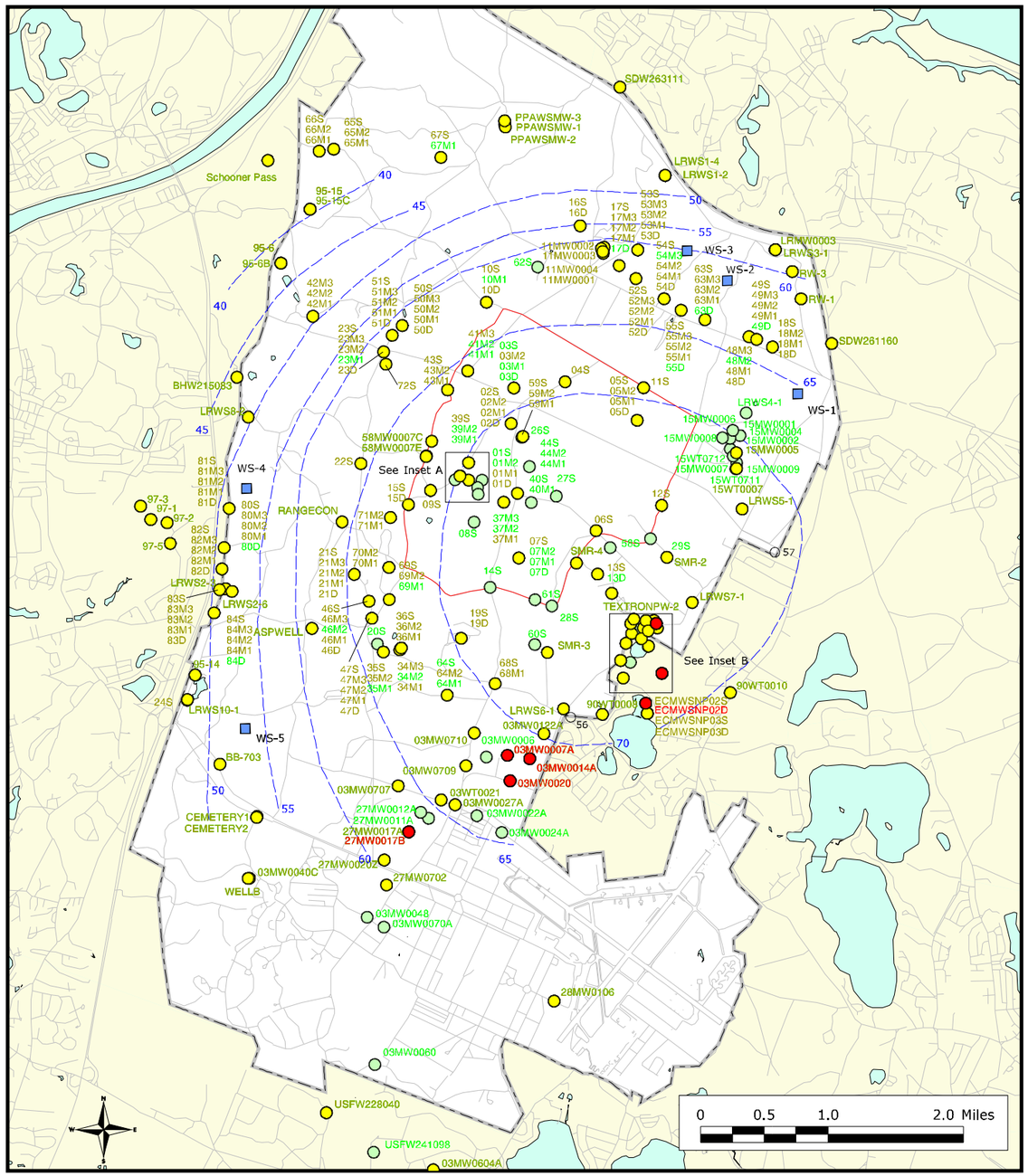


Figure 2 - Inset C
April 6, 2000
Metals
15MW0006
15MW0001
15MW0008
15MW0004
15MW0002
15MW0005
15WT0712
15MW0007
15MW0009
15WT0007
15WT0711



Sources & Notes

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

LEGEND

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

Figure 3

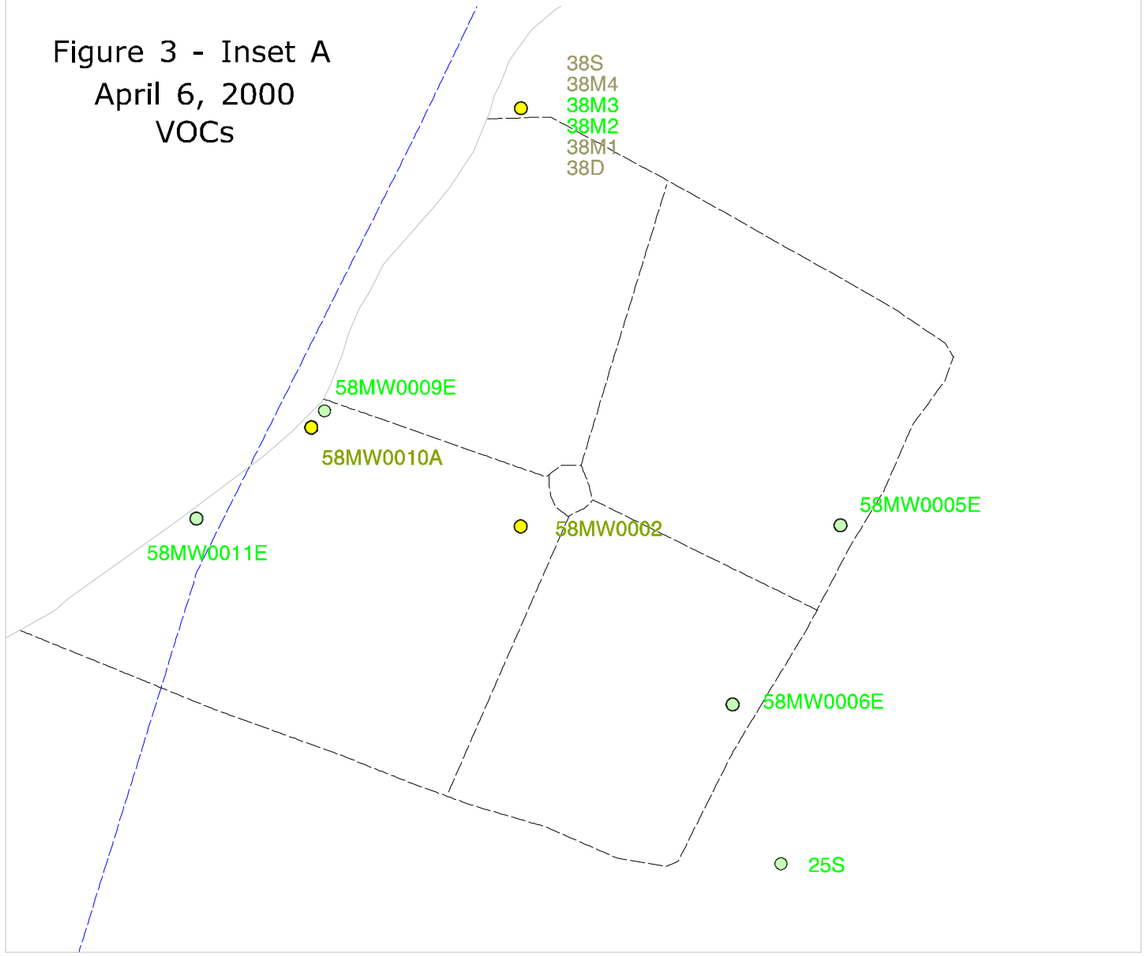
VOCs in Groundwater Compared to MCL/HAs Validated Data as of 4/3/00

Analyte Group 3

OGDEN

April 06, 2000 DRAFT g:/mmr/ai/amls/work/monthly/april2000/voc

Figure 3 - Inset A
April 6, 2000
VOCs



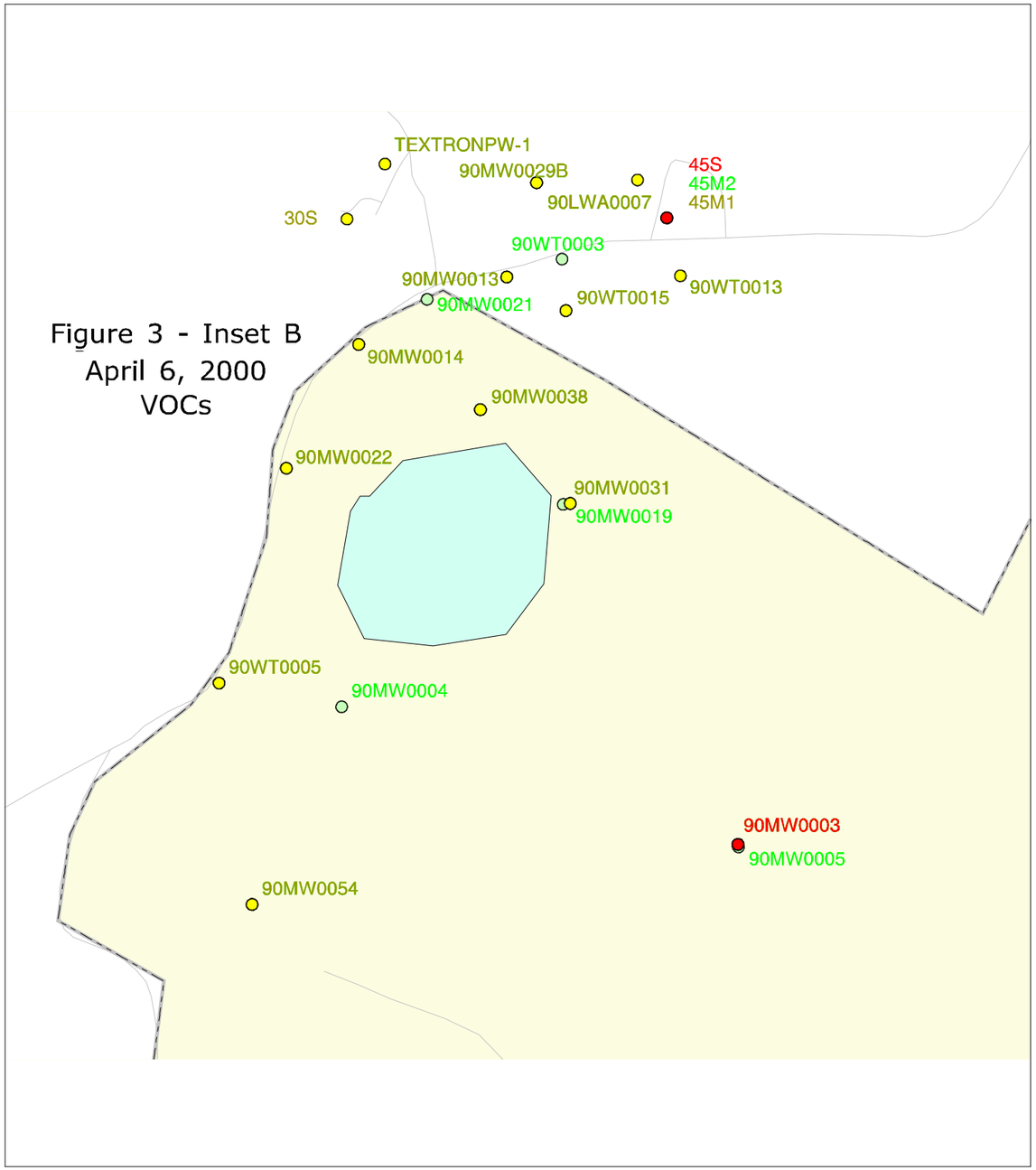
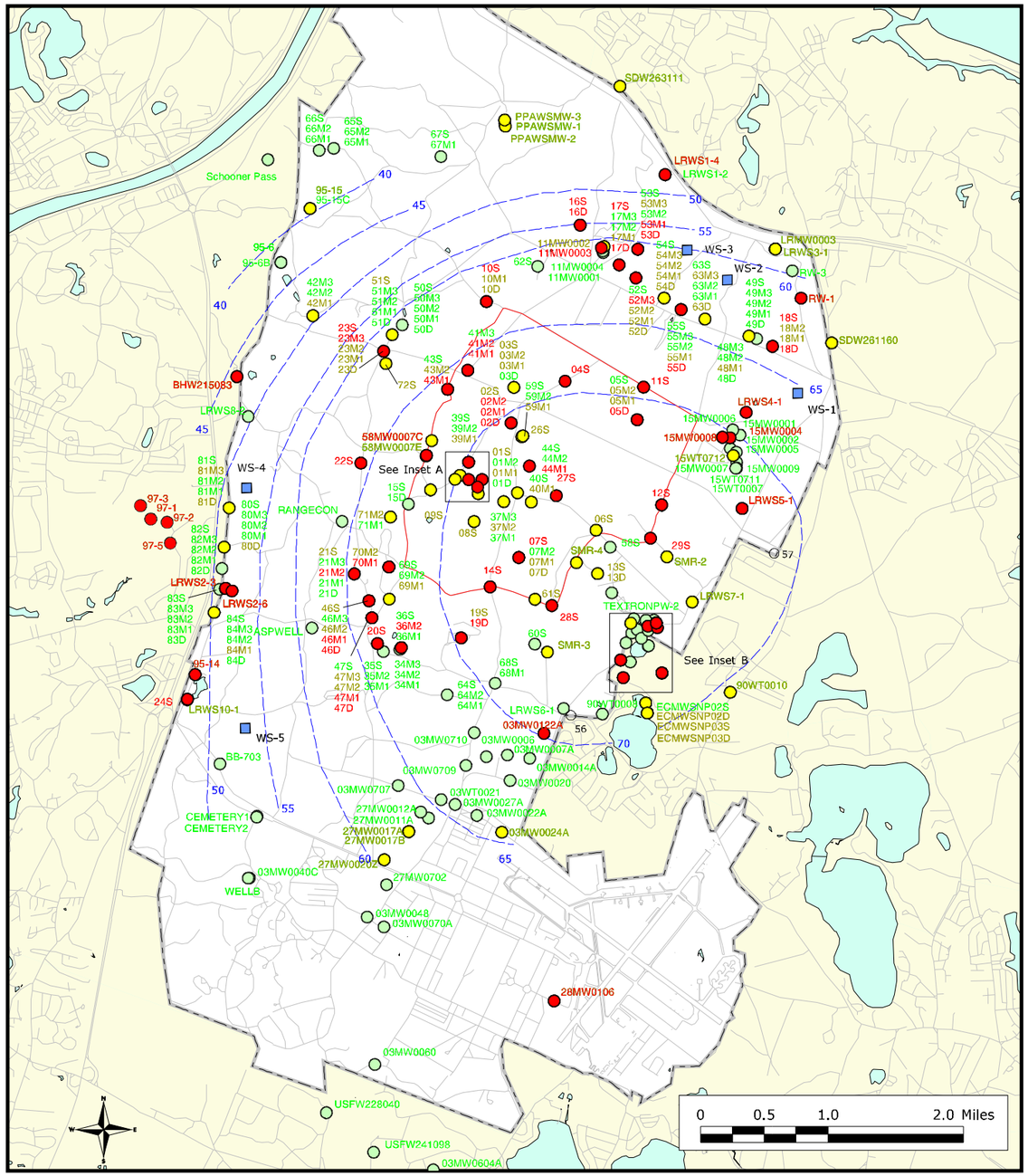


Figure 3 - Inset B
April 6, 2000
VOCs



Sources & Notes

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

LEGEND

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

Figure 4

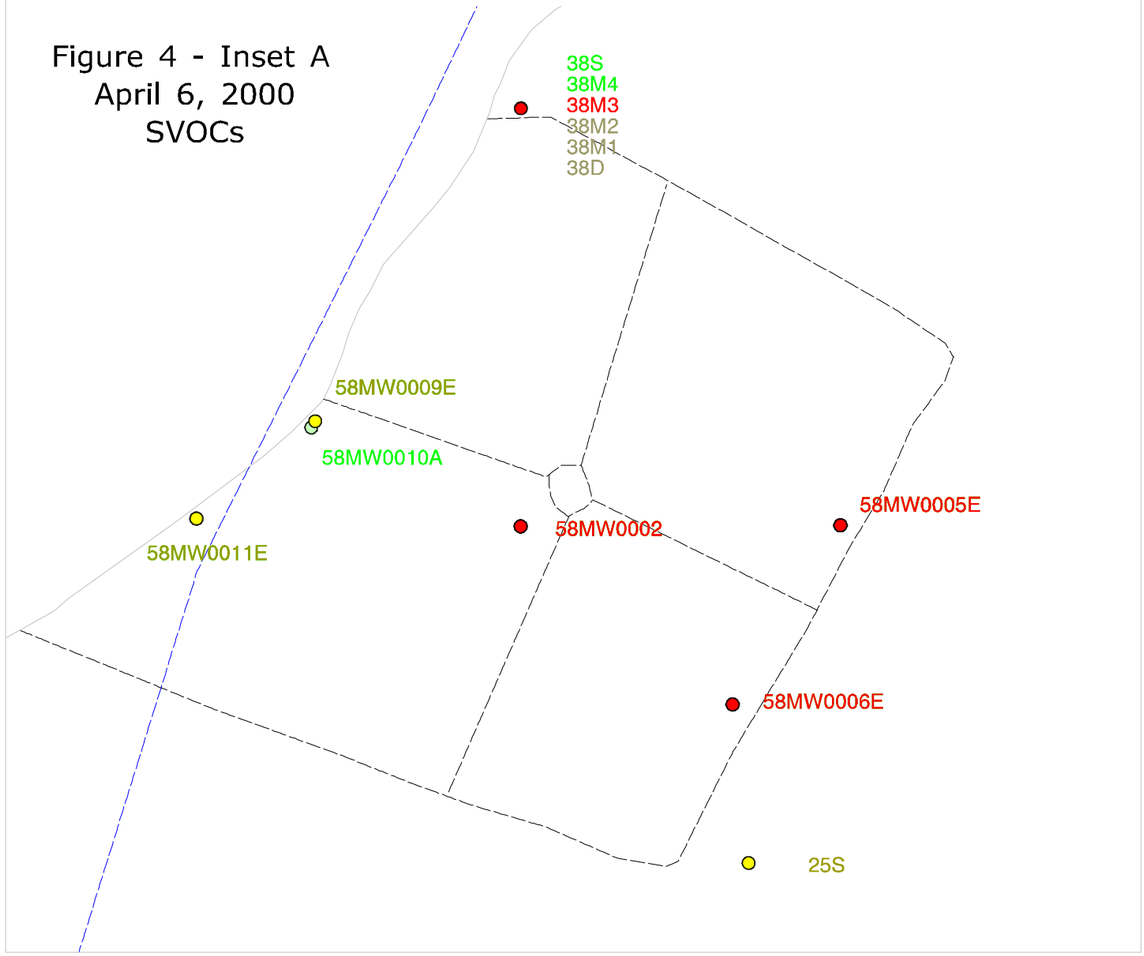
SVOCs in Groundwater Compared to MCL/HAs Validated Data as of 4/3/00

Analyte Group 4

OGDEN

April 06, 2000 DRAFT g:/mmr/aj/amls/work/monthly/april2000/svoc

Figure 4 - Inset A
April 6, 2000
SVOCs



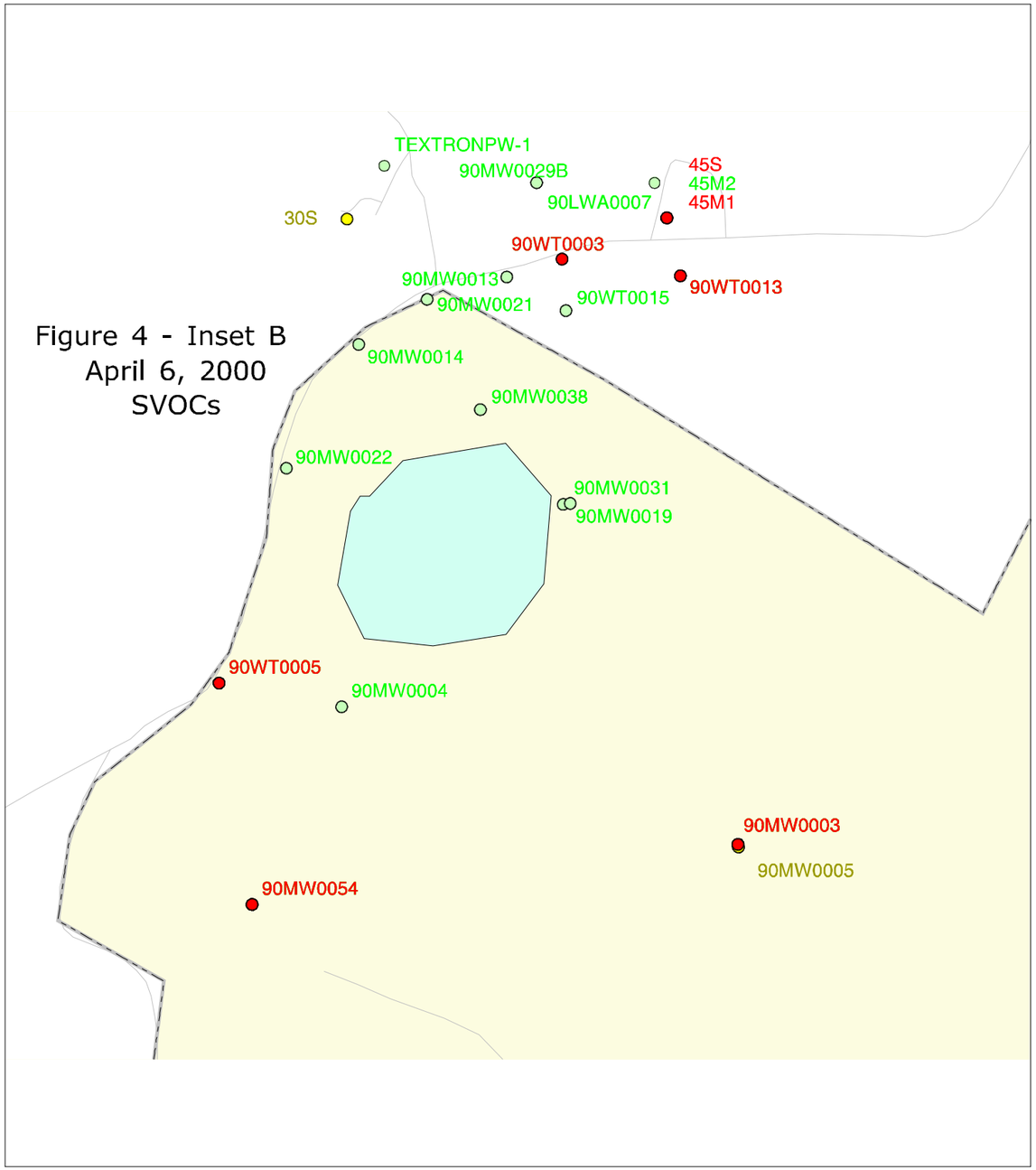
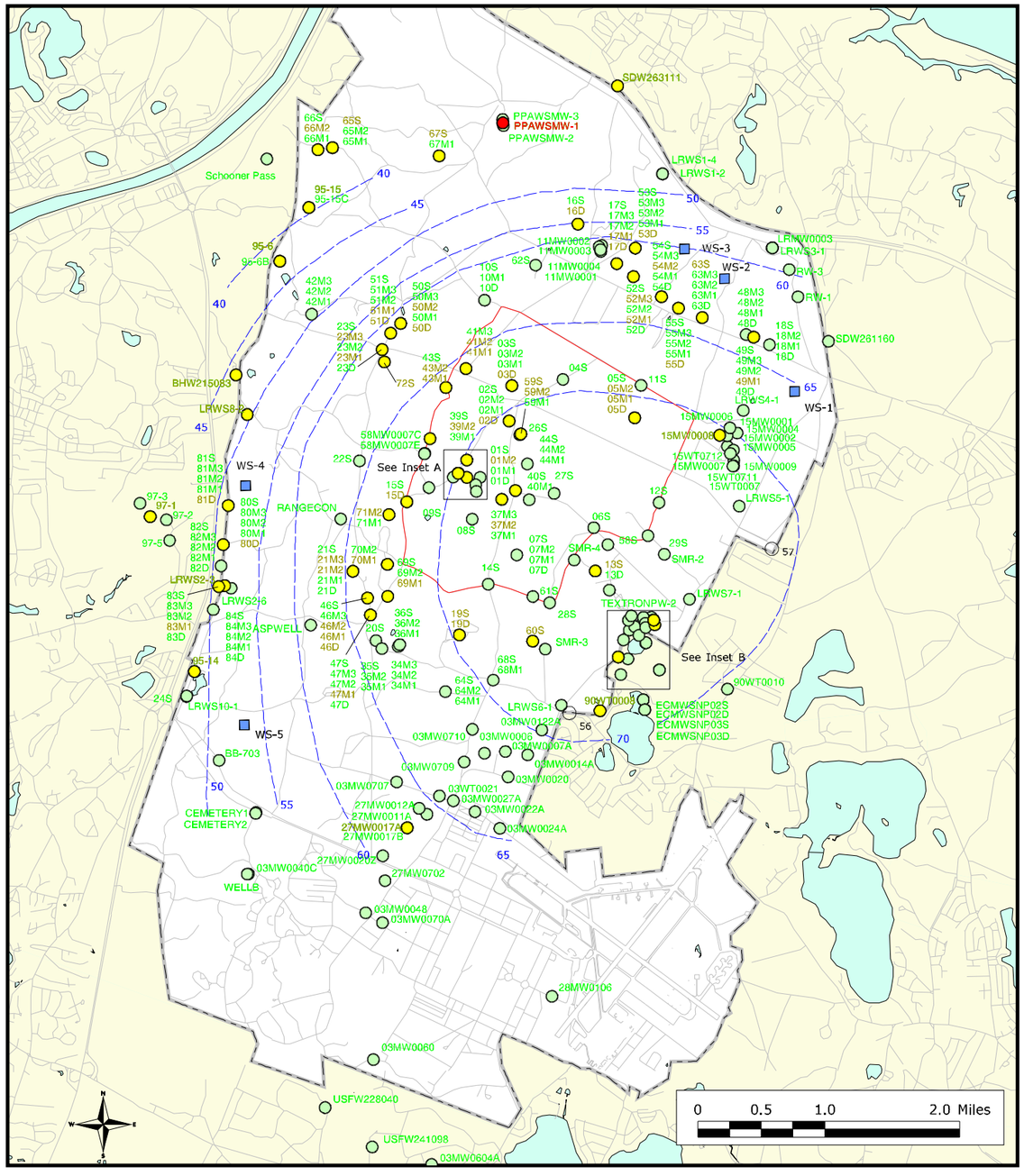


Figure 4 - Inset B
April 6, 2000
SVOCs



Sources & Notes

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

LEGEND

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

Figure 5

Herbicides and Pesticides in Groundwater Compared to MCL/HAs

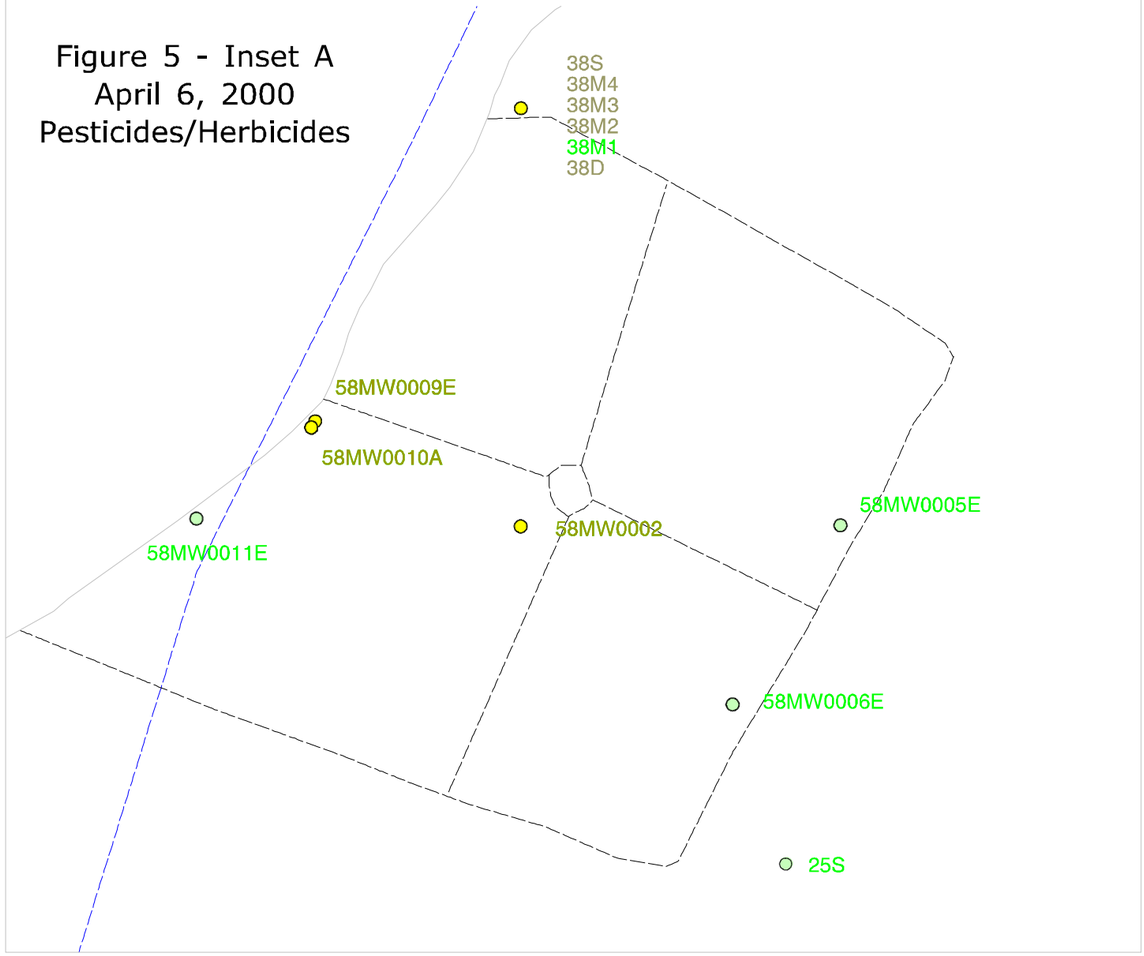
Validated Data as of 4/3/00

Analyte Group 5

OGDEN

April 06, 2000 DRAFT g:/mmr/aj/amls/work/monthly/april2000/pest

Figure 5 - Inset A
April 6, 2000
Pesticides/Herbicides



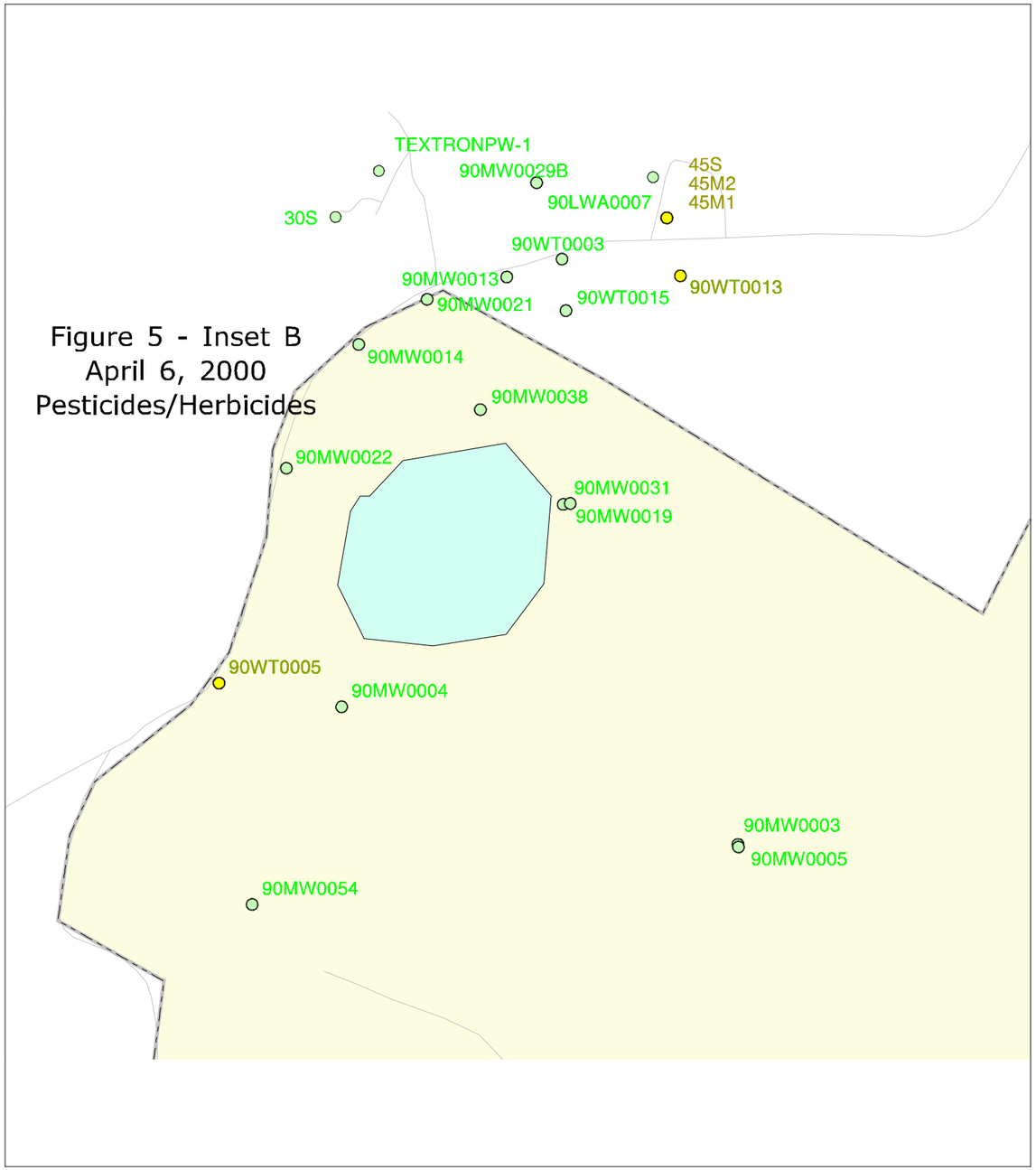
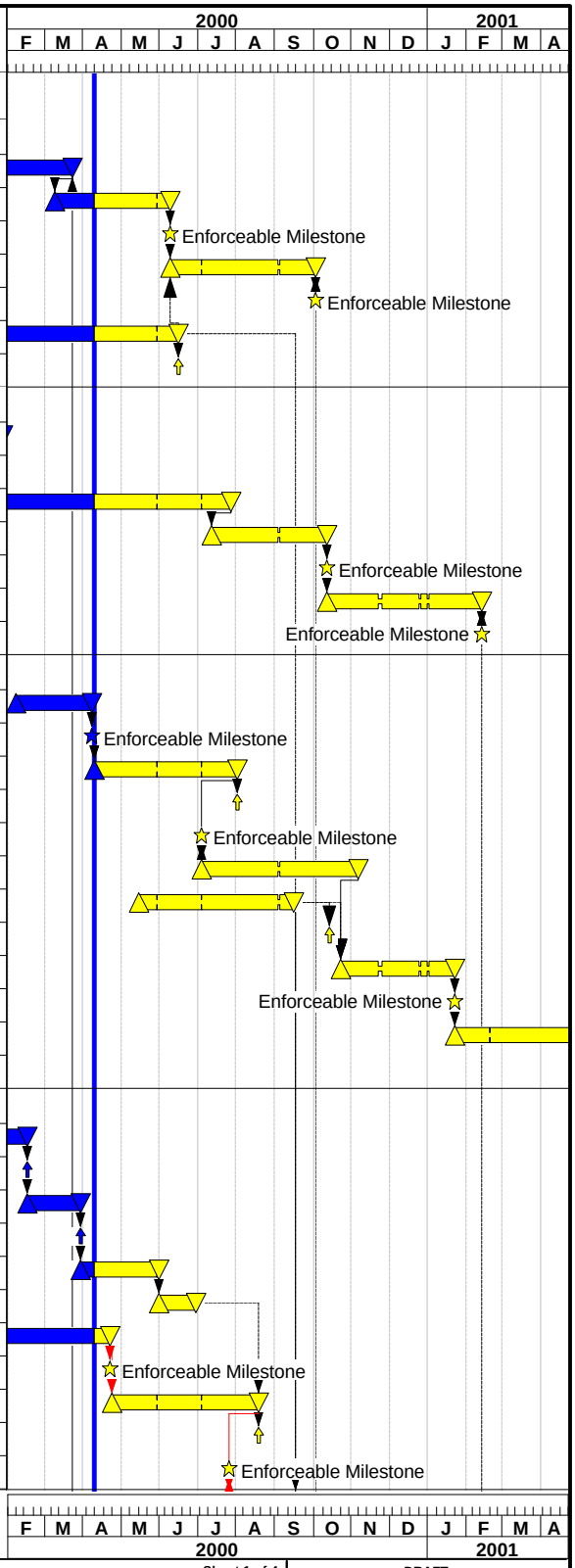


Figure 5 - Inset B
April 6, 2000
Pesticides/Herbicides

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		43	09MAR00A	08JUN00
00130	Demo 1 Draft Soil/GW Report	YES	0		08JUN00
00140	Demo 1 Revise Draft Report		80	09JUN00	02OCT00
00150	Demo 1 Final Soil/GW Report	YES	0		02OCT00
00160	Demo 1 Geophysics Investigation		48	05JAN00A	15JUN00
00170	Demo 1 Geophysics Presentation		0		15JUN00
Central Impact Area					
00210	Impact Area Planning		0	23AUG99A	24JAN00A
00220	Impact Area Start Data Collection	YES	0	05JAN00A	
00230	Impact Area Investigation		77	05JAN00A	27JUL00
00240	Impact Area Report Preparation		65	13JUL00	12OCT00
00250	Impact Area Draft Report	YES	0		12OCT00
00260	Impact Area Revise Draft Report		83	13OCT00	12FEB01
00270	Impact Area Final Report	YES	0		12FEB01
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		80	10APR00A	01AUG00
00340	J-2 Range Final Workplan		0		01AUG00
00350	J-2 Range Start Data Collection	YES	0	05JUL00	
00360	J-2 Range Investigation		88	05JUL00	06NOV00
00365	J-2 Range Geophysics Investigation		87	15MAY00*	15SEP00
00367	J-2 Range Geophysics Presentation		0		13OCT00*
00370	J-2 Range Report Preparation		62	23OCT00	22JAN01
00380	J-2 Range Draft Report	YES	0		22JAN01
00390	J-2 Range Revise Draft Report		82	23JAN01	17MAY01
00391	J-2 Range Final Report	YES	0		17MAY01
J-1/J-3 Range					
00400	Prepare Response Plan for RDX		0	01DEC99A	16FEB00A
00401	Draft Response Plan for RDX		0		16FEB00A
00402	Revise Response Plan for RDX		0	17FEB00A	29MAR00A
00403	Final Response Plan for RDX		0		29MAR00A
00404	Implement Response Plan for RDX		36	30MAR00A	30MAY00
00405	Review RP Results & Plan Follow-up		22	31MAY00	29JUN00
00410	J-1/J-3 Range Planning		10	06DEC99A	21APR00
00420	J-1/J-3 Range Draft Workplan	YES	0		21APR00
00430	J-1/J-3 Range Rev. Draft Workplan		83	24APR00	18AUG00
00440	J-1/J-3 Range Final Workplan		0		18AUG00
00450	J-1/J-3 Range Start Data Cllctn	YES	0	26JUL00	



Project Start 29FEB00
Project Finish 02DEC02
Data Date 10APR00
Run Date 10APR00

Early Bar
Progress Bar

UBER

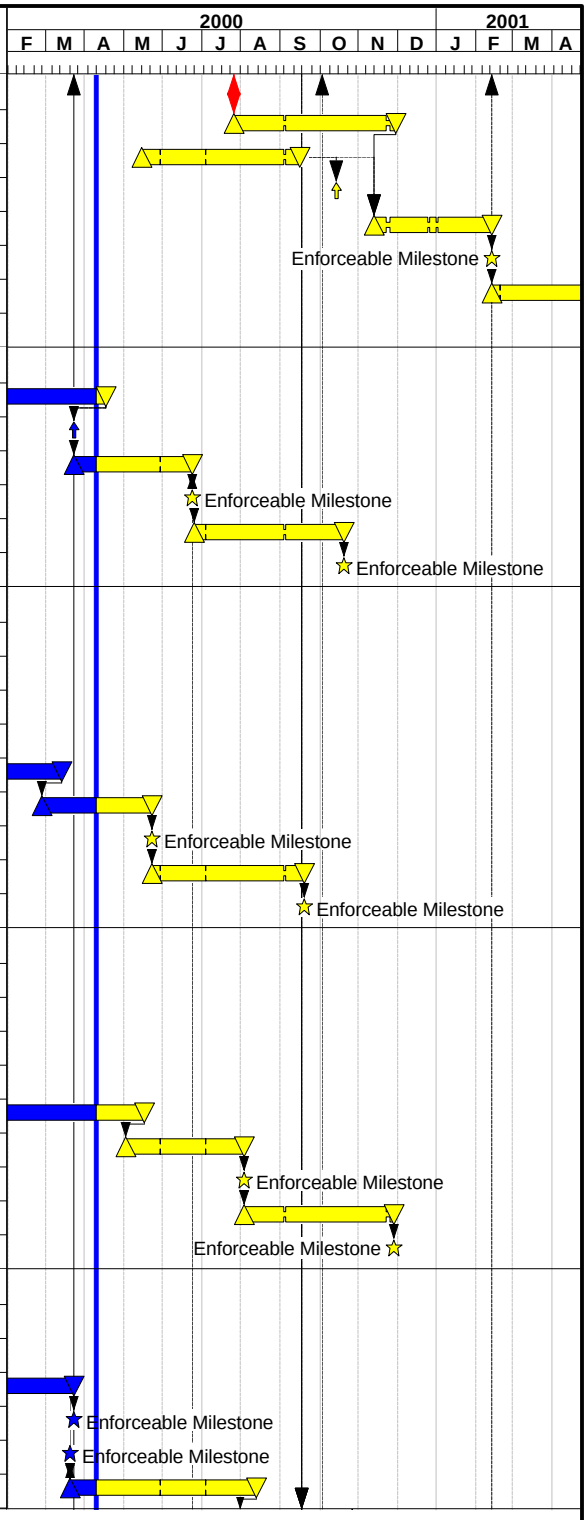
Sheet 1 of 4

DRAFT

Date	Revision	Checked	Approved

Figure 6. Combined Schedule for MMR IAGS, Munitions Survey, and RRA as of 4/10/00

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
J-1/J-3 Range					
00460	J-1/J-3 Range Investigation		88	26JUL00	29NOV00
00465	J-1/J-3 Range Geophys. Investigation		87	15MAY00*	15SEP00
00467	J-1/J-3 Range Geophys. Presentation		0		13OCT00*
00470	J-1/J-3 Range Report Preparation		62	13NOV00	12FEB01
00480	J-1/J-3 Range Draft Report	YES	0		12FEB01
00490	J-1/J-3 Range Rev. Draft Report		81	13FEB01	07JUN01
00491	J-1/J-3 Range Final Report	YES	0		07JUN01
Gun/Mortar Positions					
00510	Gun/Mortar Investigation		6	30AUG99A	17APR00
00515	Gun/Mortar Geophys. Presentation		0		23MAR00A
00520	Gun/Mortar Report Preparation		54	24MAR00A	23JUN00
00530	Gun/Mortar Draft Report	YES	0		23JUN00
00540	Gun/Mortar Rev. Draft Report		82	26JUN00	19OCT00
00550	Gun/Mortar Final Report	YES	0		19OCT00
Trenches, Bunkers, Ground Scars					
00610	Trenches Draft Workplan		0	04OCT99A	
00620	Trenches Rev. Draft Workplan		0	05OCT99A	06DEC99A
00630	Trenches Final Workplan		0		06DEC99A
00640	Trenches Start Data Collection	YES	0	06DEC99A	
00650	Trenches Investigation		0	06DEC99A	13MAR00A
00660	Trenches Report Preparation		32	28FEB00A	23MAY00
00670	Trenches Draft Report	YES	0		23MAY00
00680	Trenches Revise Draft Report		81	24MAY00	18SEP00
00690	Trenches Final Report	YES	0		18SEP00
Mortar Targets					
00710	Mortar Targets Draft Workplan		0	04OCT99A	
00720	Mortar Targets Revise Draft Workplan		0	05OCT99A	03DEC99A
00730	Mortar Targets Final Workplan		0		03DEC99A
00740	Mortar Targets Start Data Cllctn	YES	0	06DEC99A	
00750	Mortar Targets Investigation		28	06DEC99A	17MAY00
00760	Mortar Targets Report Preparation		64	03MAY00	02AUG00
00770	Mortar Targets Draft Report	YES	0		02AUG00
00780	Mortar Targets Rev. Draft Report		80	03AUG00	27NOV00
00790	Mortar Targets Final Report	YES	0		27NOV00
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		88	20MAR00A	11AUG00



Project Start 29FEB00
Project Finish 02DEC02
Data Date 10APR00
Run Date 10APR00

Early Bar
Progress Bar

UBER

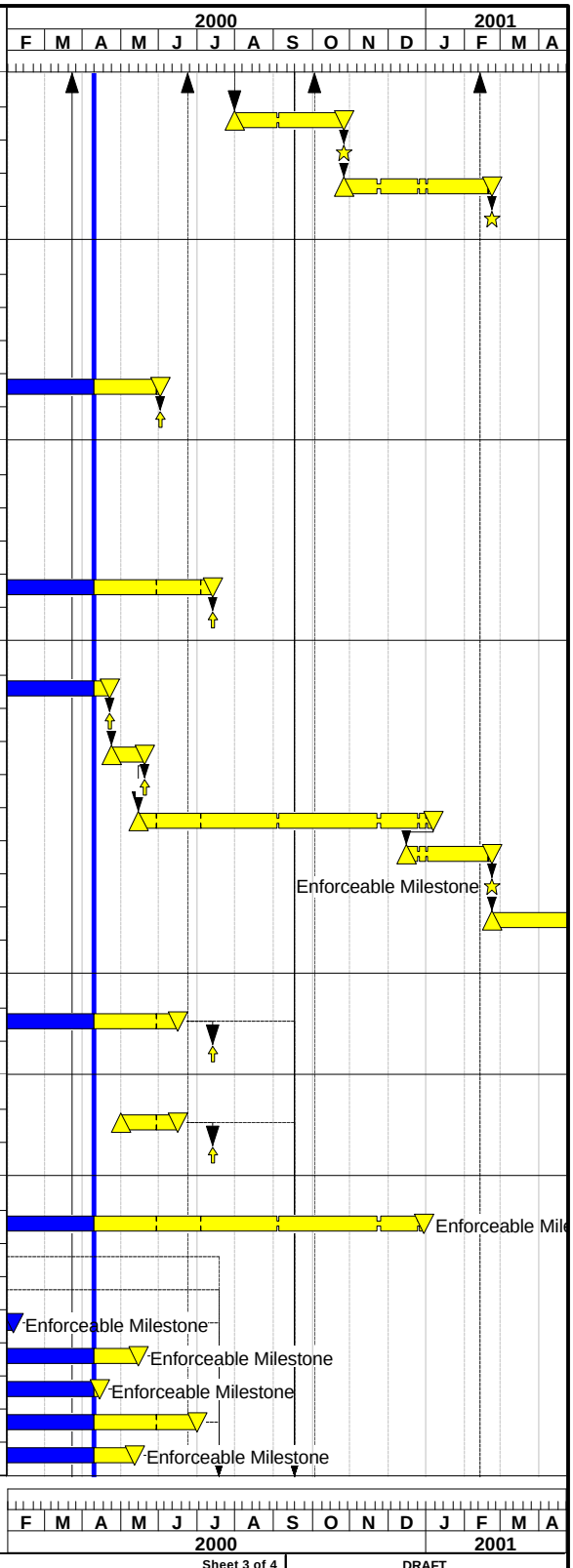
Sheet 2 of 4

DRAFT

Date	Revision	Checked	Approved

Figure 6. Combined Schedule for MMR IAGS, Munitions Survey, and RRA as of 4/10/00

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Training Areas					
00870	Training Areas Report Preparation		62	31JUL00	25OCT00
00880	Training Areas Draft Report	YES	0		25OCT00
00890	Training Areas Rev. Draft Report		81	26OCT00	22FEB01
00895	Training Areas Final Report	YES	0		22FEB01
KD/U Ranges					
00910	KD/U Investigation		0	10MAY99A	18OCT99A
00920	KD/U Report Preparation		0	27SEP99A	03NOV99A
00930	KD/U Draft Report		0		03NOV99A
00940	KD/U Revise Draft Report		38	04NOV99A	01JUN00
00950	KD/U Final Report		0		01JUN00
J-3 Wetland					
01010	J-3 Wetland Investigation		0	15APR99A	18MAY99A
01020	J-3 Wetland Report Preparation		0	13MAY99A	04NOV99A
01030	J-3 Wetland Draft Report		0		04NOV99A
01040	J-3 Wetland Revise Draft Report		67	05NOV99A	13JUL00
01050	J-3 Wetland Final Report		0		13JUL00
High Use Target Area 1					
01110	HUTA Planning		10	10JAN00A	21APR00
01120	HUTA Draft Workplan		0		21APR00
01130	HUTA Revise Draft Workplan		20	24APR00	19MAY00
01140	HUTA Final Workplan		0		19MAY00
01160	HUTA Investigation		163	15MAY00	05JAN01
01170	HUTA Report Preparation		47	15DEC00	22FEB01
01180	HUTA Draft Report	YES	0		22FEB01
01190	HUTA Revise Draft Report		63	23FEB01	22MAY01
01195	HUTA Final Report		0		22MAY01
Water Bodies					
01210	Water Body Geophys. Investig.		48	19NOV99A	15JUN00
01220	Water Body Geophys. Present.		0		13JUL00*
Slit Trench					
01310	Slit Trench Geophys. Investig.		33	01MAY00*	15JUN00
01320	Slit Trench Geophys. Present.		0		13JUL00*
Groundwater Monitoring Programs					
08100	Water Supply (Qrtrly & Annual)	YES	184	12JUL99A	29DEC00
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	26	30MAR99A	15MAY00
08150	Far Field Group 2 Wells	YES	5	21SEP99A	14APR00
08160	Far Field New Group 2 Wells		59	21OCT99A	30JUN00
08170	Gun/Mortar Position Wells	YES	25	01NOV99A	12MAY00



Project Start 29FEB00
Project Finish 02DEC02
Data Date 10APR00
Run Date 10APR00

Early Bar
Progress Bar

UBER

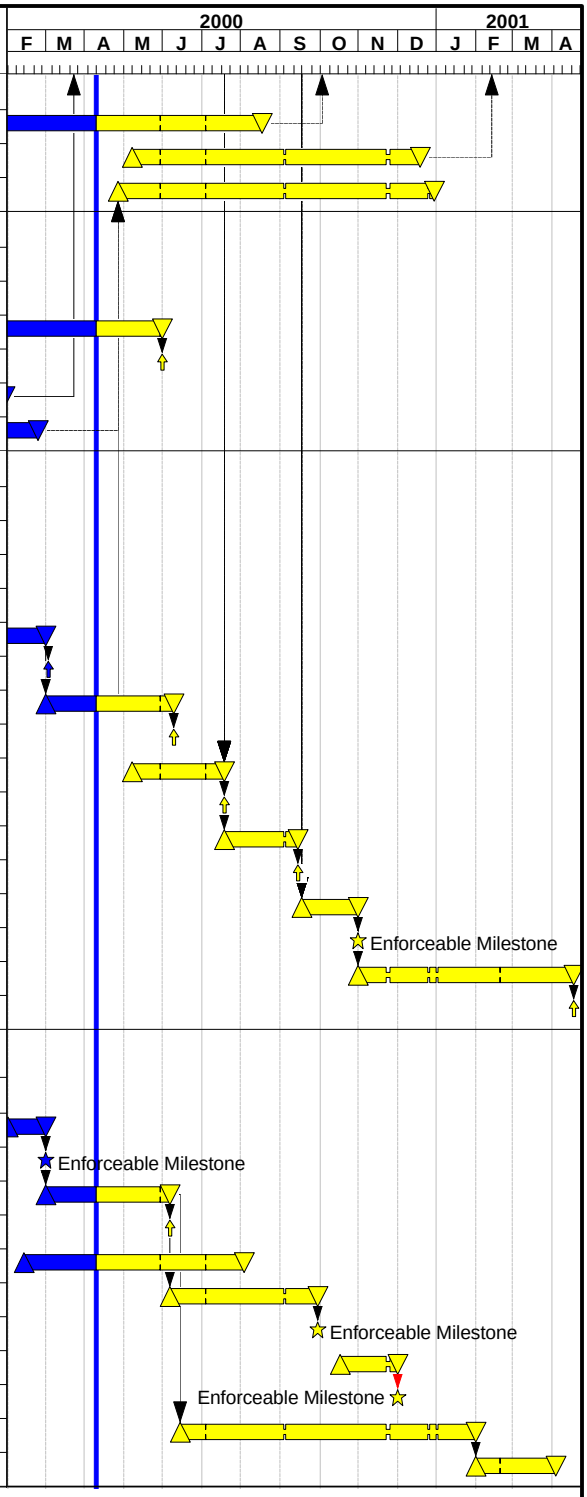
Sheet 3 of 4

Figure 6. Combined Schedule for MMR IAGS, Munitions Survey, and RRA as of 4/10/00

DRAFT

Date	Revision	Checked	Approved

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Groundwater Monitoring Programs					
08180	Demo 1 1999 Response Wells		92	20JAN00A	17AUG00
08190	Impact Area 2000 Response Wells		156	08MAY00*	18DEC00
08200	CY 2000 Interim LT Monitoring		171	27APR00	29DEC00
Analytical Methods					
08510	Draft PEP Report Preparation		0	05NOV98A	30NOV98A
08520	Draft PEP Report	YES	0		30NOV98A
08530	Revise Draft PEP Report		37	01DEC98A	31MAY00
08540	Final PEP Report		0		31MAY00
08560	Scoping Dioxin Method		0	01DEC99A	27JAN00A
08570	Scoping Perchlorate Method		0	06OCT99A	24FEB00A
Reports					
09160	Phase II Interim Results Preparation		0	01SEP99A	01NOV99A
09170	Phase II Interim Results Report		0		01NOV99A
09180	Background GW Report Prep		0	01NOV99A	10DEC99A
09190	Draft Background GW Report		0		10DEC99A
09200	Draft ILM Report Preparation		0	06JAN00A	01MAR00A
09210	Draft ILM Report		0		02MAR00A
09220	Revise Draft ILM Report		44	02MAR00A	09JUN00
09230	Final ILM Report		0		09JUN00
09240	Phase IIa Draft CWR Preparation		50	08MAY00	18JUL00
09250	Phase IIa Draft CWR		0		18JUL00
09260	Phase IIa Revise Draft CWR		40	19JUL00	13SEP00
09270	Phase IIa Final CWR		0		13SEP00
09280	Draft Geophys. Report Prep.		31	18SEP00*	30OCT00
09290	Draft Geophysics Report	YES	0		30OCT00
09300	Revise Draft Geophysics Report		116	31OCT00	17APR01
09310	Final Geophysics Report		0		17APR01
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		40	02MAR00A	05JUN00
10140	Final RRA Workplan		0		05JUN00
10150	Pre-RRA Implementation		81	14FEB00A	02AUG00
10155	RRA Source Control		82	06JUN00	29SEP00
10160	RRA Source Control Complete	YES	0		29SEP00
10170	RRA Site Restoration		32	17OCT00*	01DEC00
10180	RRA Site Restoration Complete	YES	0		01DEC00
10190	RRA Innovative Treatment		159	14JUN00	30JAN01
10195	RRA Completion of Work Report		44	31JAN01	03APR01



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Early Bar
Progress Bar

UBER

Sheet 4 of 4

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Date	Revision	Checked	Approved

Figure 6. Combined Schedule for MMR IAGS, Munitions Survey, and RRA as of 4/10/00