MONTHLY PROGRESS REPORT #39
FOR JUNE 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 June 1 to June 30, 2000. Scheduled actions are for the six-week period ending July 14, 2000.

1. SUMMARY OF ACTIONS TAKEN

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

Table 1. Drilling progress for June 2000

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-105	Impact Area Response Well (P-19)	335	205	165-175 205-215
MW-106	Impact Area Response Well (P-18)	220	85	140.5-150.5 170.5-180.5
MW-107	Impact Area Response Well (P-20)	210	88	125-135 155-165
MW-108	Impact Area Response Well (P-22)	345	178	
MW-109	KD Range Firing Point Well	150	59	89-99
MW-110	Impact Area Response Well (P-27)	310	134	

bgs = below ground surface
bwt = below water table

Monitoring wells were completed at MW-105 (Impact Area response well P-19), MW-106 (Impact Area response well P-18), MW-107 (Impact Area response well P-20), and MW-109 (KD Range). Drilling commenced on MW-108 (Impact Area response well P-22) and MW-110 (Impact Area response well P-27). Well development continued for newly installed wells. UXO clearance was completed on the Impact Area response well pads and the Demo 1 soil boring locations. UXO clearance was also completed on the detonation craters on Turpentine Road and CS-19 that require excavation. The contents of the Popper Kettle were examined for ordnance.

Samples collected during the reporting period are summarized in Table 2. Soil samples were collected from the craters of the UXO detonated at the P-24 pad, the J-2 Range, and the former A Range. Groundwater sampling commenced for the third round of Group II New Far Field wells. Groundwater sampling was completed for the "May" round of the Long-Term Monitoring wells and continued for the first round of the Impact Area response wells. A groundwater sample was collected from a residential well at Old Snake Pond Road. Groundwater profile samples were collected from MW-105 (P-19), MW-106 (P-18), MW-107 (P-20), MW-108 (P-22), MW-109 (KD Range), and MW-110 (P-27). Soil samples were collected at the nine additional deep borings in Demo Area 1 (B-10 to B-18). Deep soil samples were collected during drilling at the borings for MW-106, MW-107, MW-108, MW-109, MW-110, and the Demo 1 soil borings. Shallow soil samples (0'-0.5' and 1.5'-2') were collected from MW-106, and MW-107. Split samples were collected from Textron for soil at the J-3 Range (Area 102G). Soil samples were collected from the soil under the six pieces of C-4 located in Demo 2. Soil samples were collected from grids in Demo 2 (Area 13) around the artillery simulator detonation craters. Samples were collected

from the soil under the Popper Kettle (Area 5). Soil samples were collected from the area in GS-6 (Area 100) where ordnance was located. Post excavation soil samples were collected from three Demo 1 C-4 locations (114-116). Under the Rapid Response Action (RRA), soil samples were collected for additional delineation at the KD Range (Area 44), the APC, and the J-3 Wetland (Area 23).

The Guard, EPA, and MADEP had a meeting on June 1 to discuss technical issues, including the following:

- There was no CS-19 investigation update. Jacobs Engineering Group indicated by e-mail that they continue to work on the CS-19 report.
- There was no Water Supply Investigation update. The Guard indicated that rifle grenades might have been located at the Site 4 location.
- Tetra Tech presented an update of the munitions survey investigation. Continue with the geophysical survey on the ponds. Donnely Pond is the only pond left but they are still having noise problems. They will remobilize to this pond on 6/12. The slit trench geophysical survey should start June 16th. The land surveyors are laying out the standardization area for the aerial geophysical survey at the intersection of Jefferson Road and Barlow Road. After the land survey is done then the geophysical survey will be done before they demobilize. The aerial survey should occur the week of the 12th and 19th and will cover the entire impact area. Tetra Tech indicated that vehicle traffic in the impact area will have to be minimized during the survey to avoid moving anomalies. EPA asked about the status of the contract award. Tetra Tech indicated that they have made a recommendation to the Guard and are awaiting an answer. DEP asked what type of instrument the aerial survey will use. Tetra Tech indicated that they will use a HM3 cesium vapor magnetometer. EPA asked the status of the clearing of the J-Ranges. Tetra Tech indicated that areas for clearing in the J-2 range have been selected but still need to determine the J-1 and J-3 areas. A map of J-2 will be provided next week. EPA asked if the radiological survey was going to be performed. Tetra Tech indicated that it had been put on the back burner. EPA requested that the radiological survey be set as a high priority. The DEP asked the time frame for the radiological survey. Tetra Tech said that they would get a plan for the radiological survey to the Guard next week.
- Ogden presented an update of the Rapid Response Action. The redline revision of the work plan will be delivered to the agencies on June 13th. The final FSP was sent out yesterday. Soil sampling is complete and waiting for data. Should be able to determine the grids that will require removal by June 9th. Collection of the samples for the treatability study should be done on the 14th. Ogden will prepare the J-3 Wetland NOI for the Sandwich Conservation Commission for delivery by June 13th. EPA asked the status of the responsiveness summary. Ogden indicated that they would get it to EPA.
- Ogden presented an update of the Groundwater Investigation. The drilling of MW-105 (P-19) and MW-106 (P-18) should be completed today and will need to select screens on Monday. Continue to drill on MW-107 (P-20). Continue to collect groundwater samples from the LTGM wells and Impact Area Response wells. EPA asked if the May LTGM round included perchlorate sampling. Ogden indicated that the perchlorate sampling is proposed as a one-time event scheduled for the August round. EPA asked Ogden to provide documentation of the perchlorate sampling schedule. EPA requested that Ogden check to see if any perchlorate samples have been collected and when the results well be received and if the perchlorate sampling can be moved up to the May sampling round. Ogden indicated that the EPA issue with metals and SVOCs for the 2000 sampling needs to be resolved. EPA suggested that MW-19S needs SVOC and metals and the other wells could be addressed in the annual sampling. DEP asked when the Impact Area response wells sampling would be completed. Ogden indicated that they should be finished by the end of June.
- A handout of the Atlantic Research response to the 104e request was distributed. EPA asked the status of a Susquehanna 104e request. Ogden indicated that a web search was performed for Susquehanna and National Fireworks with no results. EPA asked for an update of DEP's search of

National Fireworks. DEP indicated that they believe that they ran into a legal dead end but will check with the personnel performing the search.

- An update of the 8321/CHPPM sampling was given. Three profile samples and four monitoring well samples were collected. The last sample was collected this week and the results are due in approximately one month.
- DEP asked for the status of the CDC. The Guard indicated that the chamber is scheduled to arrive on June 12th and the demonstration of the chamber will be held in Demo 2 on June 14th. The EPA asked for an itinerary and fact sheet for the demonstration. EPA stated that they were concerned that Demo 2 is a site under investigation and that the Demo 2 BIP report suggests that the explosives detected in the crater samples were already in the soil before the detonation. EPA does not want the area disturbed until the investigation is complete. EPA asked if it was possible to collect some soil samples in the area by tomorrow and get results by next week. Ogden indicated that it would be possible to collect the samples and get results by next week. EPA suggested a meeting after the Technical Meeting to select sampling locations.
- The resolution of the Phase IIb comments were discussed:

  EPA General Comment #3 - EPA suggested that the Berm Maintenance activity and the current SAR investigations should not be used to represent historic ranges because of the difference in the use and duration of service. EPA does not want the investigations broken up into propellant investigations and berm investigations. EPA suggested these investigations might warrant a higher priority.

  EPA General Comment #5 - EPA indicated that the priorities need to be adjusted and that the schedule is too long. It was suggested that the reconnaissance be completed by mid July and that the FSP(s) be completed by the end of August. EPA also asked about the status of the IBC Range, which is under the Training Ranges investigation. Ogden indicated that FSP would be ready in 2 weeks.

  EPA Specific Comment #47 - EPA indicated that one of the cleared areas is in the vicinity of the HUTA and they do not want the area disturbed before the samples are collected. Ogden will coordinate with Tetra Tech.

  EPA General Comment #10 - EPA suggested getting more years of aerial photo coverage. Ogden indicated that they don't have the list of aerial photo coverage. EPA will provide the list and Ogden will coordinate with Tetra Tech who has the additional photos.

  EPA Specific Comment #31 - The former H Range fan overlaps the J-3 Range. EPA originally suggested that this be investigated under the Phase IIb but now would like it as part of the J Range investigation. EPA does not agree that the targets were in the Impact Area, and noted the short range of the 2.36" rockets. Additional information was provided on this in the Textron submittal.

  EPA Specific Comment #36 - Can not compare to the SAR Phase IIa or Berm Maintaince investigations because of the different uses.

  EPA Specific Comment #40 - The wells proposed at the Anti-Tank Gravity Range should be drilled deeper to help with the Impact Area Investigation.

  EPA Specific Comment #42 - EPA asked if this work was going to be done before the geophysics. Ogden stated that they thought that the geophysics would be further along but that they could collect the surface soil samples before the geophysics. EPA indicated the last 2 sentences of the paragraph should be deleted.

  EPA Specific Comment #52 - EPA suggested that there are numerous IRP wells around the former ASP and they should be sampled this summer to get some preliminary data. EPA also suggested that this location be moved up in the priority list.

  EPA Specific Comment #53 - Same as #52

  DEP Specific Comment #6, 8, and 10 - DEP suggested reevaluating the depth of drilling (see EPA Specific Comment #40)

- The resolution of the Supplemental Phase IIb comments were discussed:
  EPA General Comment #1 - Same as Phase IIb.
  EPA Specific Comment #5 - EPA indicated that the ASR shows that HE was fired from that location.
  EPA Specific Comment # 20 - EPA requested that more information on the extent of use be added.
  DEP Comment # 1 - DEP would like clarification on why no work is proposed in Area B-7.
- Ogden requested that the J-1/J-3 Range downgradient response be included as part of the J-1/J-3 investigations. EPA and DEP agreed.
- EPA asked the status of a revised schedule because the schedule distributed last week had the EPA comment column empty for SAR and RRA FSP's. Ogden will provide an updated schedule. EPA indicated that their comments on the J1/J3/L Range Workplan and on the Interim Results Report would be provided next week, and comments on the background report (TM 99-5) would be provided the week after that.
- EPA commented regarding the supplemental Central Impact Area well plan that they expected it to include a well 200 feet south of the original P-21 (now the P-22) location. The Guard requested a letter documenting the comment. The schedule for additional well installation (after the supplemental wells) remains to be discussed with the Guard.
- Ogden distributed the draft FSP for Tank Alley and Turpentine Road Targets.
- EPA asked if the Guard had received a response from Raytheon on the 104e request. Ogden indicated that Raytheon requested and received a 30-day extension. A second request was sent on May 15th. EPA asked what the deadline was in the second request. Ogden did not have the letter but would look into it. EPA and DEP asked Ogden to prepare a matrix of all the contractors from the 104e requests by Monday. EPA also asked the status of the search for data from Picatinny.
- EPA asked the status of the revised BIP notification proposal. The Guard has not received any guidance from the DDESB but would like to get proposal by the end of the week.
- The DEP distributed a handout of an email from someone who has been riding their horse in the training range.
- The schedule for the following weeks was discussed:
  June 8th - Tech meeting, possible J-3 site walk, additional Phase IIb reconnaissance.
  June 14th - JPAT, CDC demonstration, possible additional Phase IIb reconnaissance.
  June 15th - Tech Meeting, possible additional Phase IIb reconnaissance.
  June 19th - SMB meeting
  June 22nd - helicopter recon, Tech Meeting, possible additional Phase IIb reconnaissance.
- EPA requested the status of the Central Impact Area groundwater results. Ogden indicated that results for MW-90, MW-91, and MW-92 have been received and will provide an updated table of results.
- The technical meeting was followed by a reconnaissance of the Inactive Demo Sites and the Former A Range..

The Guard, EPA, and MADEP had a meeting on June 8 to discuss technical issues, including the following:

- There was no update from Jacobs Engineering Group on the CS-19 Investigation. EPA indicated that Jacobs was giving a presentation of the CS-19 Investigation to AFCEE today and EPA summarized their presentation as surface soil contamination which is a continual source of contamination to groundwater.
- There was no update from JPO on the Water Supply Investigation. The Guard indicated that the pump test was completed on Site WS-3 and the pump test on Site WS-1 has started. EPA asked that the Guard check to be sure that Mr. Cambareri has a copy of the chemistry results to date.

- Tetra Tech presented an update of the Munitions Survey Investigation. The geophysical contractor is scheduled to be back on site on June 12 and will spend approximately 3 days to complete Donneley Pond. The geophysics should be completed on the slit trench on June 19. The crews should be back to brush cutting in the J-2 Range soon. Ogden asked the status of the map of the J-2 Range extent to be surveyed. Tetra Tech will provide a copy of the map of the J-2 Range in the next day or two. The aerial geophysical contract has been awarded to Blackhawk Geometric who is teamed with Fugro. The aerial survey is scheduled to be on site on June 16 with the survey starting on June 19. It is expected to take 5 to 9 days to complete the survey and 10 days to supply a preliminary report. The Guard asked what are the limitations of this type of survey. Tetra Tech indicated that height of the flight is the biggest limitation. The summary of the Demo 1 geophysical survey will be presented next Thursday from 11:00 to 12:00. The water bodies data summary should be ready in early July. A demonstration of a geophysical survey technique by Geo Centers will take place June 20 at the calibration area. A DU workplan is currently being prepared but further discussion with the Guard is required.
- Ogden presented an update of the Rapid Response Action. The redline/strikeout version of the work plan is currently being reviewed by the Guard and is due to the Agencies by June 13. The responsiveness summary will be provided after EPA comments on the work plan and will be provided as an attachment to the plan. The results of the delineation samples have been received. EDB was not confirmed at Area 2, no additional detections of nitroglycerin in the J-3 Wetland, no additional detections of DNT at GP-7, eight more sample grids are required at the KD Range rocket firing position, and five to six more grids are required at the APC. Sampling is scheduled for next week. EPA requested a data summary table for the preliminary results. The Guard indicated that this is the third round of sampling at the APC and suggested that they may propose the most contaminated area should be excavated as part of the RRA and the rest of the area be addressed as part of a later cleanup. The J-3 Wetland NOI will be sent to the Sandwich Conservation Commission on June 13. Bryce and Envirogen will be onsite on Tuesday and Wednesday (6/13-14) for treatability sampling. EPA asked where the treatability samples would be collected. Each area will be sampled and treated as a separate study.
- The DEP requested that the weekly updates (munitions survey, RRA, IAGS) be summarized in bullet form and distributed shortly before the meeting to facilitate note taking and discussion.
- Ogden presented an update of the Groundwater Investigation. MW-106 (P-18) was completed and the drill rig was demobilized. Continue drilling on MW-105 (P-19) which is at a depth of 305' bgs. MW-107 (P-20) is on standby waiting for screen depth. Distributed the draft boring log for MW-107. Data for MW-107 should be ready on Friday on Monday. Continue to collect groundwater samples from the LTM wells and the Impact Area response wells. Have collected groundwater samples up to well MW-102. Soil samples from Demo 2 have been collected and the results are due today. Distributed copies of the draft cross-section of the inner and outer transects with available well data added. It was suggested that the wells that have been sampled with no detects should be noted on the sections to distinguish them from the wells without data.
- EPA requested that the discussion of TM 99-4 (J-3 Wetland) be put off until next week.
- A map of the Demo 1 plume and proposed well was distributed. There was a discussion of the plume shape. It was agreed that the cigar shape is appropriate based on the chemistry and hydrogeology results. There was a discussion on the location of the additional well, as shown in the draft TM 00-2. It was agreed to move the location of the well east into the parking lot of the G Range.
- A handout of the particle tracks from the CIA wells was distributed. Ogden indicated that more particle tracks would be available next week. It was suggested that there should be a discussion of the up and down gradient supplemental CIA wells next week.
- EPA indicated that they are working on comments to the HUTA. EPA distributed copies of an abstract from a conference in which CRREL describes testing a GC-thermionic detector for field screening for explosives. The detector appears to achieve better results then the immunoassay kits.

EPA also indicated that CRREL talked about doing wipe samples on range scrap and field testing. CRREL indicated that about seventy percent of the scrap had explosive detections. Tetra Tech and Ogden will discuss these results with CRREL.

- Document status was discussed. EPA indicated that they should have their comments on the Interim Results Report today, and comments on Tech Memo 99-6, J-1/J-3/L Range Workplan, and Tech Memo 00-1 should be ready next week.
- A letter from EPA to Mr. Fatz indicates that EPA must review and approve Textron's workplan for the J-1 and J-3 Ranges. Ogden indicated that Textron appeared ready to start work prior to the Guard's investigation, possibly in the next few weeks. DEP's comments regarding combining the J-2 study with the J-1/J-3/L Range study were discussed, as well as the need for groundwater flow direction in the J Ranges. EPA indicated they want to pursue the J-2 and J-1/J-3/L studies under separate plans, although the studies may occur at about the same time.
- EPA should have their comments regarding CDC air testing by Tuesday 6/13 , although these comments will have no effect on the demonstration scheduled for 6/14. EPA indicated that the rounds found to date that are in the explosive magazine don't require a RCRA permit. New rounds located may require a RCRA permit, which will require some type of stack testing.
- A letter on the GS-6 proposed soil sampling was distributed. EPA requested that the samples be collected from 5 discrete locations at depths of 0"-3", 3"-6", and 6"-12"in the area where the rounds were located. If there were any evidence of the location of the rounds then one of the samples would be collected at that point.
- EPA indicated that there was a discrepancy between the Blow in Place table distributed at a tech meeting from the table that was distributed at the IART meeting. EPA requested that due to the numbers of UXO detected that a running table be created with the rounds detected, detonated, and relocated.
- EPA requested that the next IART meeting be heavily focused on the groundwater investigation update.
- It was agreed to send a 104e request for information to GE because they held a contract for Susquehanna's work.
- EPA asked the status of the discussion on the Interim Long-Term Groundwater Monitoring annual sampling. Ogden indicated that a supplement to the revised plan would be provided by the end of next week. The supplement would include proposed monitoring locations for the annual sampling.
- The technical meeting was followed by a reconnaissance of Training Area BA-1 and Demo 2.

The Guard, EPA, and MADEP met on June 14 to complete a reconnaissance at the Former Grenade Courts. The Guard, EPA, and MADEP had a meeting on June 15 to discuss technical issues, including the following:

- Jacobs provided an update of the CS-19 investigation. A handout of the revised schedule and summary of the investigation were distributed. The draft RI Report is due on June 28. The summary does not include the modeling and the risk assessment. The summary indicated that the surface soil is contaminated and the groundwater is contaminated with explosives. No end of the plume was determined from this investigation. Explosives in groundwater are the risk driver. Final figures will be available next week. EPA asked for a presentation of the figures next week. EPA asked if the parameters from all the sampling were used in the modeling. Jacobs indicated that only the recent round of data were included in the model. EPA stated that they don't believe that enough information has been collected to make the statement that the contamination has peaked. DEP asked Jacobs to confirm the detections of MCPP as validated.
- The Guard updated the Water Supply Investigation. The Site 1 pump test was completed this week with a pump rate of 900,000 gallons per day. Eight feet of draw down was measured at the pump well and less than 1 foot was measured in a monitoring well approximately 100' away. The Site 2

pump test is scheduled for after July 4. The Guard checked with Tom Cambareri and he has received all the information requested. EPA asked the status and the location of the rifle grenades mentioned last week.

- Tetra Tech provided an update to the Munitions Survey Investigation. A 1-page handout of the summary of field activities was distributed. Continue UXO clearance, finalizing the land survey, and updating the REC in the J-2 Range. Notification of UXO findings was discussed. The land survey and grid layout continues for the HUTA. The REC has been submitted for the Turpentine Road, Process Holding Area, and Tank Alley improvements. Once the REC is approved, then brush clearing will commence. Ogden requested the layout of the HUTA so that Ogden can complete the work in the area prior to the HUTA investigation startup. The site walk for the J-1/J-3 Range was completed with EPA. The areas of concern will be selected at a later date. The collection of data at Donnely Pond will be completed by June 16. The slit trench geophysical survey will be completed by June 16. EPA asked if the surface debris has been relocated. Tetra Tech indicated that it would be relocated today. EPA requested an update of what was found in the debris for next week's meeting. The airborne survey will begin the week of the June 19 and is expected to last for 10 days. EPA asked if they had anything that was holding up the schedule. Tetra Tech indicated that they did not believe so. Ogden requested a revised J-2 Range map showing the extent of the geophysics survey. EPA asked the status of Ogden's sampling of the J-2 Range. Ogden indicated that the sampling should commence on July 5. EPA asked for a more detailed J-2 Range schedule for the IAGS sampling. Ogden indicated that during the grenade court reconnaissance, it was observed that there might be some overlap with areas surveyed by geophysics at GP-11. Ogden will review the survey map for GP-11. EPA asked of a copy of the field notes from that reconnaissance.
- Ogden provided an update of the Rapid Response Action. The redline revision of the work plan was submitted to the agencies on June 13. EPA indicated that they would have their review done by Monday and DEP should be finished tomorrow. The response to comments and public comments will be included as attachments to the work plan. EPA asked if the Foothill comments were addressed. Ogden indicated that they have not been included but will be. The J-3 NOI was submitted to the Sandwich Conservation Commission on June 12. There will be an informal meeting on June 21 and the first public hearing on July 5. Copies of the NOI were distributed to the agencies. Handouts of the KD Range, J-3 wetland, GP-7, and APC delineation data and figures were distributed. The data indicates that the KD Range and APC require additional delineation sampling. The data and additional sample locations were reviewed. EPA asked for a figure of the APC data on the 1991 aerial photo to help explain the lateral extent of explosives. EPA asked when the results for these additional sample grids would be ready. Ogden indicated on June 29. EPA asked when the excavation was scheduled to start. Ogden indicated that the RRA is still on schedule.
- Ogden provided an update of the Groundwater Investigation. Currently drilling on MW-108 (P-22) and MW-109 (KD Range). MW-109 should be completed today and will need to select screens on Monday. Continue to collect groundwater samples from the Long-Term Monitoring wells and the Impact area response wells. Continue to develop the newly installed wells and should be done with the last of the Impact Area Response wells (MW-107) this week. Collected soil samples from the UXO detonation craters at the Anti Tank Gravity Range. Collected soil samples from the GS-6 UXO location. Collected soil samples from the six C-4 locations in Demo 2. The Guard indicated that one of the locations contained approximately a half-pound of C-4 and 500 feet of time fuze. EPA requested a write up of Demo 2 C-4 and indicated that they would have to check to see if the buried C-4 will require a RCRA permit for the CDC disposal. The additional profile data from MW-105 (P-19) were distributed.
- The EPA asked the status of the Popper Kettle. The Guard indicated that the work would be completed this week which would consist of the kettle being cleared for UXO, the contents emptied and searched for ordnance, the contents would be drummed, samples would be collected from the contents and the soil under the kettle.

- The Guard indicated that Textron was tasking HLA to sample the ricochet trough and will get back on the date. The Guard will split samples with HLA.
- Ogden suggested a conference call with Textron to review schedules to insure no conflicts next week.
- EPA would like the Information Request Table to have RCRA 3007 added to the Textron line, to have the 102 FW RCRA request added, and have it included in the weekly. The Guard distributed Raytheon's 104e response. EPA will check to see if they have obtained any information on Susquehanna by tomorrow.
- Ogden asked for guidance regarding EPA comment #22 on the Interim Results Report. The comment suggests that conclusions regarding the "significance" of detections should be deleted from the report. Ogden asked EPA for input on how data evaluation should be conducted without drawing such conclusions. EPA will review this comment and provide input.
- Ogden requested a 2-week extension on the Gun and Mortar Tech Memo due date because the large volume of data for validation and evaluation. EPA indicated that the request should be submitted in a letter.
- EPA will review the Small Arms Range response to comments and the J-3 Wetland next week.
- A map was distributed with proposed up and down gradient Central Impact Area wells. DEP suggested that two wells proposed on the eastern side of the impact area be the first installed to help define the top of the mound. Ogden expressed concern with starting with these two wells because the UXO safety zone may shut down other contractors. Ogden will prepare a plan and submit it to the Guard next week.
- The updated Central Impact Area well results were distributed. It was noted that explosives were detected in MW-98 monitoring well but not in the profile samples. The data will be added to the cross sections. EPA indicated that the ground scars tech memo suggests no further investigation at GS-7 because nothing was detected in the profile samples.
- Tetra Tech presented the summary of the geophysical data from Demo 1.
- The agenda was set for the next IART meeting:
  - 6:00 – 6:15 Introduction
  - 6:15 – 7:45 Groundwater update (Ogden)
  - 7:45 – 8:00 IART Facilitator (Guard)
  - 8:00 – 8:30 PIP (DEP/EPA)
  - 8:30 - Other (popper kettle, etc.)
- EPA requested that the revised text be provided in response to comment #30 on the J-2 Range Plan. EPA indicated that the response to comment #36 should indicate it was agreed not to sample the tank in area 2.
- EPA requested a discussion of the IART action items at next week's meeting.
- The technical meeting was followed by a reconnaissance of the Former K Range.

The Guard, EPA, and MADEP had a meeting on June 22 to discuss technical issues, including the following:

- There was no CS-19 investigation update.
- There was no Water Supply Investigation update.
- Tetra Tech presented an update of the Munitions Survey Investigation. A 1-page handout of the munitions survey update was distributed. The water bodies geophysical data collection is complete and they are currently processing the data. TRC wanted to know how results would be communicated. Tetra Tech indicated that the final report is scheduled for October and a data presentation around July 15. The J-2 range UXO clearance continues and is about 50% done. Brush cutting will be coordinated with the base biologist. The slit trench geophysical data have been collected and the data are being processed. Debris removed from the slit trench included 55-gallon drums, automotive parts, paint cans, office furniture, and spent 105 casings (modified). EPA

requested copies of the photographs taken during the survey. The 120x120m grids have been laid out for the HUTA. A map from the land surveyor is expected shortly. The final HUTA workplan is ready for the Guard review. MADEP comments on draft version will be sent tomorrow and Tetra Tech will try to prepare responses to comments by the middle of next week. The HUTA workplan has been written assuming the new explosive screening technique will be accepted by the agencies. Comments from MMR Natural Resource Manager are due today. The DEP suggested that any large-scale clearing plans need to be reviewed by MADEP/EOEA because permits may be required.

- Ogden provided an update on the Rapid Response Action. Comments from EPA on the workplan have been received and DEP indicated that their comments would be sent this afternoon. The response to Foothill comments is under internal review. The informal briefing with the Sandwich Conservation Commission on the J-3 Wetland was held last night with no problems foreseen at this point. The second round of soil delineation sampling has been completed in the J-3 Wetland, KD Range, and the APC. Delineation data should be ready for next week with a hand sketch. DEP asked what the options were at the APC. The Guard indicated that they would like to get the most recent data back before making any determination on the APC. EPA suggested the draft PIP is referenced in the RRA Workplan. The treatability studies are ongoing. Fractionation samples have been sent to the lab and the results are due on June 28. The containment pad design will start next week. All activities are currently on schedule.
- Ogden provided an update on the Groundwater Investigation. A 1-page handout of the field investigation update was distributed. Currently drilling on MW-108 (P-22) and MW-110 (P-27). Both borings would be finished next week. The P-23 and P-26 locations are next on the schedule. EPA asked for a map of the existing and proposed response well locations at each Tech Meeting, as are included in the weekly reports. The draft inner and outer transect cross sections with additional monitoring well data were distributed. UXO intrusive clearance has been completed on the supplemental response well pads. Intrusive clearance of the nine borings in Demo 1 will commence this week. The down hole clearance of these locations will be completed next week. Two items (105mm and 75mm) were located at the P-24 and P-25 pads. The 105mm is scheduled for detonation Monday and the 75mm will be held for the CDC. The interim long-term groundwater sampling has been completed with the exception of metals on MW-23S and TSS on MW-2S. MW-2 is in the safety zone of the CDC and MW-23S turbidity is elevated because the pump was lowered due to a low water level. The response well groundwater samples should be finished this week. The third round of groundwater sampling for the Group 2 new far field wells will commence next week. Soil samples were collected from the soil beneath the Popper Kettle and the ash material around the kettle. The Guard indicated that the material in the kettle was dumped onto plastic. The material in the kettle consists of ash and sub-caliber rounds. The kettle and the material are currently covered with plastic until the sub-caliber rounds can be separated from the ash material. DEP asked the status of the ricochet trough at J-3 Range. EPA indicated that Textron has collected some samples and the trough is covered with plastic. EPA asked Ogden to check on the status of the soil samples from GS-6, Demo 2 C-4, and the Gravity Range BIP craters.
- The J-3 Wetland Tech Memo and the SAR Firing Investigation comment resolution were addressed by EPA's e-mail. The Guard will schedule the SAR sampling based on the training schedule and allowing flexibility to select wind conditions that are appropriate for the air sampling.
- USGS will be included in upcoming tech meetings.
- The J-2 Range comment resolution was also addressed by EPA's e-mail. EPA indicated that the investigation in J-2 Range should consider the potential upgradient source areas in the J-1 and J-3 Ranges.
- The IART Action Items were discussed. DEP asked if there would be administrative support at the IART. The Guard indicated that CH2MHill has been contracted to supply the administrative support for the IART. EPA is working on a follow on letter on the ASP and should be ready next week. EPA

asked that the popper kettle and the ASR scope be discussed at the IART meeting. The Demo 1 map should show the agreed-on well location.

- Ogden indicated that DEP's comments on the J-1/J-3 workplan are needed to allow them to be addressed in the 6/30 comment response. The comments for the revised interim LTGM Plan are needed in two weeks. EPA requested that it be added to next week's Tech Meeting agenda.

- Ogden provided an email on the status of the vadose zone modeling. The lab can not complete the analysis in 6 months as scheduled but would require 10 months at a minimum. A meeting to discuss the project schedule is being arranged with the lab. DEP asked to include Don Muldoon in the modeling correspondence. The method development for dyes is going slower than expected. They should be ready in late July. Vat yellow #4 is no longer manufactured in the US but there may be sources overseas. Ogden sent an e-mail of a table of the MCPP detections in groundwater.
- The Guard distributed a press release on the historic off base training and the chemical training for agency review. The agencies had comments and asked to see the redraft before it was sent out.

The Guard, EPA, and MADEP met on June 28 to complete reconnaissance of the Former ASP locations.

EPA convened a meeting of the Impact Area Review Team on June 28. Topics for the meeting included a Field InvestigationUpdate, the Public Involvement Plan, an Overview of Ongoing/Upcoming Projects, the Popper Kettle status, and the Archives Search Report Scope of Work. The next meeting was scheduled for July 27.

The Guard, EPA, and MADEP had a meeting on June 29 to discuss technical issues, including the following:

- Jacobs Engineering Group presented an update of the CS-19 investigation. A copy of the Draft RI was distributed to Ogden. The draft RI is out for agency review with the comments due by July 12. Handouts of the revised schedule and investigation summary (section 8 of the draft RI) were distributed for review. The summary includes the ecorisk assessment and data gaps. The data gaps include the magnetic anomalies detected, down gradient extent of groundwater contamination, and the vadose zone investigation around 58MW0002. Jacobs indicated that there are two corrections needed for the draft RI which include the eco risk assessment does not include the rain water puddle pathway and the groundwater contours on Figure 3-5 are incorrect. DEP asked when these problems would be corrected. Jacobs indicated that they would be corrected by 7/3. EPA asked what was next on the CS-19 RI. Jacobs indicated that they need to discuss this with AFCEE.
- The Guard provided an update on the Water Supply Investigation. The pump tests for sites 1 and 3 have been completed and the pump test for site 2 is scheduled for next week.
- Tetra Tech provided an update on the Munitions Survey Investigation. A 1-page handout of the Munitions Survey update summary was distributed. The aerial geophysical survey commenced, with the HUTA, J-2 Range, and 60 lines completed. The preliminary results should be ready today. The Guard is reviewing the responses to EPA’s comments to the HUTA. Tetra Tech is awaiting DEP's comments. Revisions for the REC for Tank Alley improvements, Turpentine Road improvements, HUTA investigation, and holding area have been made and are awaiting approval from the MMR Natural Resource Manager. The J-2 Range UXO clearance continues. UXO located on J-2 was detonated on Monday. The brush cutting in J-2 will commence by July 14 and will need to coordinate with Ogden. DEP asked the status of the J-2 Map. Tetra Tech indicated that some areas had to be added and the map is not complete yet. EPA and Tetra Tech will discuss the area of interest in the J1/J3 Ranges after the Tech Meeting. Working on a plan for an intrusive confirmation of the anomalies in Demo 1.

- Ogden provided an update of the Rapid Response Action. Awaiting DEP comments on the final work plan before distribution. Response to FEC comments and Public Comment Responsiveness Summary are in internal review. The public hearing for the J-3 Wetland NOI is scheduled for 7/5/00. A notice of the hearing was posted in the paper and letters were sent to the abutters. Awaiting preliminary data from the second round of delineation sampling. Need to have a site walk of the APC to review the lateral extent of contamination. EPA requested that a figure of the APC sampling be prepared showing the individual sampling points when results are available. Post-initial soil washing samples have been sent out for laboratory analysis to determine the "cut point". After the "cut point" is determined the soil fraction below this point will be sent for biotreatment. Containment pad site walk this week and surveying during the week of 7/3 or 7/10.
- Ogden provided an update of the Groundwater Investigation. Continue to drill on MW-108 (P-22) which would finish this week and on MW-110 which should finish next week. The next scheduled locations are P-23 and P-26. Commenced the drilling of the Demo 1 soil borings, which should finish this week. EPA expressed concern that this work commenced prior to their approval of the plan and asked what the soil was sampled for. Ogden indicated that they would have to get back to EPA on this. The groundwater sampling of the original Central Impact Area wells has been completed (up to MW-107). Continue with the groundwater sampling of the third round of the Group II New Far Field wells. Completed the UXO clearance of the interim supplemental Central Impact Area well pads and Demo 1 drilling area. Commenced the clearance of UXO around the detonation craters requiring excavation. EPA asked if the most recent UXO detonation craters with explosive detections would be addressed in a supplemental plan. The Guard indicated that they planned on using the standard procedure and providing an updated table of status. EPA asked if the soil samples from the Monday detonation have been collected. Ogden indicated that they would look into it. A draft Outer Transect cross section and the GS-6 explosives results table were distributed for review.
- The Demo 1 post excavation soil sample results table was distributed for review. The Guard indicated that the soil results are below the MCP standards and proposes to treat this soil as part of the Demo 1 soil issue.
- The Demo 2 C-4 soil sample results table was distributed for review. The Guard indicated that they removed the 6 inches of soil below each piece of C-4 prior to Ogden collecting the soil samples. EPA requested that the table be changed to indicate that the soil was collected from the 3 inches at the bottom of the excavation and not 3 inches from ground surface. The Guard proposed to go to location 6 and excavate more soil and collect an additional post excavation sample to get the concentration below the MADEP RCS1 standard. DEP asked if this would be treated as a new IRA. The Guard indicated that they would be treated as a limited removal action. The EPA suggested preparing a plan to supplement the visual inspection for C-4 in Demo 2.
- EPA asked the status of the schedule for the J-2 Range investigation. Ogden indicated that it is not done yet. EPA asked what work would start next week. Ogden indicated that they need to discuss this with the Guard. EPA asked for notification of the work via fax or email. EPA asked if the Guard was going to prepare a FSP for this work. Ogden indicated that they were going to work directly from the work plan.
- EPA needed to move the discussion of the August 99 Blow in Place Report comment resolution to next week. EPA suggested that the UXO discovery checklist be standardized and discussed at next weeks meeting.
- EPA needed to move the discussion of the 6/16 ILTGM Plan supplement to next week. Ogden indicated that the results of the third round of new wells should be distributed next week and that the selected wells will be added to the wells selected in the 6/16 plan. Ogden indicated that a letter to the agencies was sent requesting dropping PCB from the sampling program. EPA indicated that they were under the impression that any well that was sampled three times with no detections was dropped from the plan. Ogden indicated that the table in the plan includes pesticides. The method for

pesticides includes PCBs and Ogden wanted to insure that the agencies were aware that PCB would not be analyzed. EPA also indicated that annual rounds should include all analysis.

- The IART Action Items were discussed.
  - EPA suggested that the Guard research plant uptake of explosives and determine how it may effect this site.
  - The Guard will provide LTC Bailey's response on the request to close the Greenway Road small arms ranges in writing to the IART.
  - The SAR plan will be distributed to the IART. There was a discussion of producing a final plan based on IART comments.
  - A site walk will be conducted on the reported debris pile east of well pad MW-40 by next week.
  - The CS-19 plume will be added to Ogden maps.
  - The EPA suggested that it is premature to come up with any conclusions on the Blow in Place explosive detections. Need to keep track of the explosives used and weather conditions.
  - Progress Reports will be produced in a timelier manner.
  - Guard/EPA will identify more information on the chemical agents and potential analytical methods.
  - Agreed to add a 100 ppb RDX contour to the Demo 1 plume.
  - The Guard will have MA Guard environmental personnel investigate the possibility of oil dripping from the equipment at the UTES.
  - EPA and DEP will look into AFCEE presentation of the CS-19 investigation at the IART.
- There was a discussion of the evolution of the press releases on the chemical weapons training at MMR. The Agencies expressed concern that the press release that was discussed in last weeks meeting was not distributed. There was a discussion of the April, 1999 AFCEE report on chemical training on MMR. The Guard indicated that they did not have a copy until this week and assumed the agencies did. The EPA indicated that they did not receive a copy until this week also. It was agreed that further investigation of the distribution of this report was required.
- Next week's tech meeting will start evaluation of Central Impact Area response well results with focus on delineation of extent of contamination. Goal is to prepare maps before the next public meeting. Ogden will work on NW-SE transects to supplement existing inner and outer transects. The evaluations will likely continue over several meetings.
- The technical meeting was followed by a reconnaissance of Former Small Arms Ranges.

2. SUMMARY OF DATA RECEIVED

Validated data were received during June for Sample Delivery Groups (SDGs) 219-222, 299, 314, 317-320, and 322-325. These SDGs contain results for 124 soil grid samples, primarily consisting of samples from RRA delineation and gun/mortar positions. The SDGs also contain results for 21 groundwater samples from monitoring wells; 35 soil boring samples from response wells MW-85, -86, -87, -88, and –89; four soil samples from UXO detonation craters; and two groundwater profile samples from MW-88 and -89.

Validated Data

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; the minor differences are mentioned in the following paragraphs. There are significant differences between historical and current exceedances of drinking water criteria for Metals and SVOCs, as described further below.

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, 73, 76, and 77); 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). Demo Area 1 has a well-defined source area and extent of contamination. The estimated extent of hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) exceeding the HA at Demo Area 1 based on the most recent groundwater measurements is indicated by a magenta concentration contour on Figure 1 and the inset. Concentration contours will be prepared for other areas, if appropriate, when sufficient data are available. 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 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 38 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 12 sodium exceedances were repeated in consecutive sampling rounds (wells 2S and SDW261160). Six of the 44 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 70) 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 detections of RDX and HMX in soil samples from craters where UXO detonations were performed. Open detonation (OD) was performed at five locations on 6/9/00, and two of the craters had explosives detected.

Table 4 indicates confirmed detections of RDX, HMX, TNT, 2-amino-4,6-DNT (2A-DNT), and 4-amino-2,6-DNT (4A-DNT) in groundwater samples from various monitoring wells. Many of these wells were being sampled for the fourth round, and the results were consistent with previous detections. The new Impact Area response wells (MW-85 to MW-107) were being sampled for the first time.

Table 4 includes profile results from drilling at the Impact Area response wells 105, 106, 107, 108, and 110, and at the KD Range well 109. RDX (9x), HMX (5x), and nitroglycerine (1x) were verified as detected in one or more profile samples.

Table 4 indicates confirmed detections of RDX and HMX in soil samples from under five of the six pieces of C-4 located in Demo 2. Also, the following explosive compounds were confirmed detected in a sample of ash from the Popper Kettle: 1,3,5-trinitrobenzene, TNT, 2,4-DNT, 2,6-DNT, 2A-DNT, RDX, HMX, and picric acid. Finally, RDX, HMX, 2A-DNT, and 4A-DNT were confirmed detected in soil samples from under the three pieces of C-4 located in Demo 1.

3. DELIVERABLES SUBMITTED

Deliverables submitted during the reporting period include the following:

Draft FSP for Turpentine Road and Tank Alley Targets	05/31/00
Final Rapid Response Action FSP	05/31/00
Weekly Progress Update May 15-19	06/07/00
Weekly Progress Update May 22-26	06/07/00
Draft TM 00-2, Demo 1 Response Plan Investigation	06/08/00
Monthly Progress Report #38 (May 2000)	06/09/00
Weekly Progress Update May 29-June 2	06/13/00
Draft Phase II(a) Field Sampling Plan for Training Areas	06/13/00
Weekly Progress Update June 5 – June 9	06/19/00
Raytheon Response to CERCLA 104(e) Request	06/21/00
Weekly Progress Update June 12-June 16	06/22/00
Final PEP Analytical Report	06/26/00
Letter and Supporting Documents of 6/25/00 re: Scope for Revised ASR	06/26/00
Weekly Progress Update June 19 – June 23	06/30/00
Draft Supplemental Central Impact Area Response Plan	06/30/00

4. SCHEDULED ACTIONS

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

- IART review Demo 1 Draft Soil/Groundwater Report (TM 00-2)
- Complete Impact Area investigation (2^{nd} response plan)
- Begin Impact Area Report Preparation
- Revise draft J-2 Range Workplan
- Continue J-2 Range soil/groundwater and geophysics investigations
- Review results for DP-8&9 Response Plan and plan follow-up
- Revise draft J-1/J-3/L Range Workplan
- Begin J-1/J-3/L Range soil/groundwater investigation
- Continue J-1/J-3 Range geophysics investigation
- IART review Gun/mortar Draft Report (TM 00-3)
- Revise draft report on “trenches” investigation (TM 00-1)
- Complete Mortar Targets Draft Report
- Complete method development and Training Areas Investigation
- Begin Training Areas Draft Report
- Complete final J-3 Wetland (TM 99-4) report

- Complete final workplan for HUTA-1 and start investigation
- Complete geophysics presentations for water bodies and slit trench
- Continue groundwater monitoring programs
- Continue revisions of Interim Longterm Monitoring (ILTGM) plan for CY 2000
- Complete final Rapid Response Action (RRA) workplan
- Complete pre-RRA implementation
- Begin RRA Source Control
- Begin RRA Innovative Treatment

5. SUMMARY OF ACTIVITIES FOR DEMO 1

The geophysical survey of Demo 1 has been completed, and preliminary data were presented in June. The draft technical memorandum for the Demo 1 response actions (TM 00-2) was submitted 6/8/00 and is currently under review by the regulatory agencies and other stakeholders. The draft FS Workplan for AO3 (including Demo 1) is under review by the regulatory agencies and other stakeholders. Soil samples have been collected from the nine deep borings east of MW-19, and are being analyzed.

TABLE 2
SAMPLING PROGRESS
6/1/2000-6/30/2000

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HCJ240MM	HCJ240MM	06/30/2000	CRATER GRAB	0.00	0.25		
HCJ2CB	HCJ2CB	06/30/2000	CRATER GRAB	0.00	0.25		
HCP24105MM	HCP24105MM	06/30/2000	CRATER GRAB	0.00	0.25		
HDGR37MM1	37MM1	06/09/2000	CRATER GRAB	0.00	0.25		
HDGR37MM2	37MM2	06/09/2000	CRATER GRAB	0.00	0.25		
HDGR37MM3	37MM3	06/09/2000	CRATER GRAB	0.00	0.25		
HDGR37MM4	37MM4	06/09/2000	CRATER GRAB	0.00	0.25		
HDGR37MM5	37MM5	06/09/2000	CRATER GRAB	0.00	0.25		
HDJ240MM	HDJ240MM	06/30/2000	CRATER GRAB	0.00	0.25		
HDJ2CB	HDJ2CB	06/30/2000	CRATER GRAB	0.00	0.25		
HDP24105MM	HDP24105MM	06/30/2000	CRATER GRAB	0.00	0.25		
27MW0017A-E	FIELDQC	06/12/2000	FIELDQC	0.00	0.00		
27MW0108A-E	FIELDQC	06/16/2000	FIELDQC	0.00	0.00		
90WT0004-E	FIELDQC	06/09/2000	FIELDQC	0.00	0.00		
90WT0010-E	FIELDQC	06/05/2000	FIELDQC	0.00	0.00		
90WT0010-L-E	FIELDQC	06/05/2000	FIELDQC	0.00	0.00		
90WT0013-E	FIELDQC	06/02/2000	FIELDQC	0.00	0.00		
95-14-E	FIELDQC	06/08/2000	FIELDQC	0.00	0.00		
95-6ESE	FIELDQC	06/23/2000	FIELDQC	0.00	0.00		
97-3-E	FIELDQC	06/13/2000	FIELDQC	0.00	0.00		
97-3-T	FIELDQC	06/13/2000	FIELDQC	0.00	0.00		
97-5-E	FIELDQC	06/10/2000	FIELDQC	0.00	0.00		
ABB0010MAE	FIELDQC	06/29/2000	FIELDQC	0.00	0.00		
ABB0015AAE	FIELDQC	06/28/2000	FIELDQC	0.00	0.00		
ABB0017FAE	FIELDQC	06/27/2000	FIELDQC	0.00	0.00		
DEMO2-C4-6E	FIELDQC	06/13/2000	FIELDQC	0.00	0.00		
DEMO2PENE	FIELDQC	06/06/2000	FIELDQC	0.00	0.00		
G105DJE	FIELDQC	06/06/2000	FIELDQC	0.00	0.00		
G105DPE	FIELDQC	06/07/2000	FIELDQC	0.00	0.00		
G105DSE	FIELDQC	06/08/2000	FIELDQC	0.00	0.00		
G105DUE	FIELDQC	06/09/2000	FIELDQC	0.00	0.00		
G106DEE	FIELDQC	06/01/2000	FIELDQC	0.00	0.00		
G108DAE	FIELDQC	06/23/2000	FIELDQC	0.00	0.00		
G108DCE	FIELDQC	06/26/2000	FIELDQC	0.00	0.00		
G108DKE	FIELDQC	06/27/2000	FIELDQC	0.00	0.00		
G108DOE	FIELDQC	06/29/2000	FIELDQC	0.00	0.00		
G108DSE	FIELDQC	06/30/2000	FIELDQC	0.00	0.00		
G109DAE	FIELDQC	06/15/2000	FIELDQC	0.00	0.00		
G110DBE	FIELDQC	06/28/2000	FIELDQC	0.00	0.00		
HC13K1AAE	FIELDQC	06/02/2000	FIELDQC	0.00	0.00		
HCGR37MM1-E	FIELDQC	06/09/2000	FIELDQC	0.00	0.00		
HCGR37MM1-T	FIELDQC	06/09/2000	FIELDQC	0.00	0.00		
HCJ1KPAAE	FIELDQC	06/15/2000	FIELDQC	0.00	0.00		
HCJ240MME	FIELDQC	06/30/2000	FIELDQC	0.00	0.00		
HD05R1AAE	FIELDQC	06/21/2000	FIELDQC	0.00	0.00		
HD100A1AAE	FIELDQC	06/14/2000	FIELDQC	0.00	0.00		
HDD114AAE	FIELDQC	06/07/2000	FIELDQC	0.00	0.00		
S106DAE	FIELDQC	06/05/2000	FIELDQC	0.00	0.00		
S106DAT	FIELDQC	06/05/2000	FIELDQC	0.00	0.00		
S107DAE	FIELDQC	06/01/2000	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
6/1/2000-6/30/2000

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
S107DAT	FIELDQC	06/01/2000	FIELDQC	0.00	0.00		
S107DDE	FIELDQC	06/02/2000	FIELDQC	0.00	0.00		
S107DHE	FIELDQC	06/05/2000	FIELDQC	0.00	0.00		
S108DCE	FIELDQC	06/15/2000	FIELDQC	0.00	0.00		
S108DCT	FIELDQC	06/15/2000	FIELDQC	0.00	0.00		
S108DFE	FIELDQC	06/19/2000	FIELDQC	0.00	0.00		
S109DCT	FIELDQC	06/14/2000	FIELDQC	0.00	0.00		
S110DCE	FIELDQC	06/21/2000	FIELDQC	0.00	0.00		
S110DCT	FIELDQC	06/21/2000	FIELDQC	0.00	0.00		
S110DEE	FIELDQC	06/22/2000	FIELDQC	0.00	0.00		
S110DME	FIELDQC	06/23/2000	FIELDQC	0.00	0.00		
S110DPE	FIELDQC	06/27/2000	FIELDQC	0.00	0.00		
S110DRE	FIELDQC	06/28/2000	FIELDQC	0.00	0.00		
SDW263111-E	FIELDQC	06/15/2000	FIELDQC	0.00	0.00		
W104SST	FIELDQC	06/12/2000	FIELDQC	0.00	0.00		
W23SSF	FIELDQC	06/20/2000	FIELDQC	0.00	0.00		
W48M1T	FIELDQC	06/22/2000	FIELDQC	0.00	0.00		
W48SST	FIELDQC	06/26/2000	FIELDQC	0.00	0.00		
W49M1T	FIELDQC	06/23/2000	FIELDQC	0.00	0.00		
W49SST	FIELDQC	06/27/2000	FIELDQC	0.00	0.00		
W53DDT	FIELDQC	06/01/2000	FIELDQC	0.00	0.00		
W54SST	FIELDQC	06/06/2000	FIELDQC	0.00	0.00		
W55M1T	FIELDQC	06/03/2000	FIELDQC	0.00	0.00		
W56M1T	FIELDQC	06/29/2000	FIELDQC	0.00	0.00		
W56M3T	FIELDQC	06/28/2000	FIELDQC	0.00	0.00		
W57M3T	FIELDQC	06/30/2000	FIELDQC	0.00	0.00		
W59SST	FIELDQC	06/08/2000	FIELDQC	0.00	0.00		
27MW0017A	27MW0017A	06/12/2000	GROUNDWATER	132.00	142.00	48.49	58.49
27MW0108A	27MW0108A	06/16/2000	GROUNDWATER	217.00	227.00	76.22	86.22
90LWA0007	90LWA0007	06/08/2000	GROUNDWATER	32.00	102.00	-61.40	8.60
90MW0034	90MW0034	06/05/2000	GROUNDWATER	96.00	101.00	31.04	36.04
90MW0070	90MW0070	06/02/2000	GROUNDWATER			-55.67	-55.67
90MW0071	90MW0071	06/05/2000	GROUNDWATER	146.00	156.00	76.27	86.27
90WT0003	90WT0003	06/09/2000	GROUNDWATER	91.50	101.50	-0.70	9.30
90WT0004	90WT0004	06/09/2000	GROUNDWATER	38.00	48.00	4.02	14.02
90WT0005	90WT0005	06/09/2000	GROUNDWATER	51.00	61.00	-1.10	8.90
90WT0006	90WT0006	06/09/2000	GROUNDWATER	98.00	108.00	-0.40	9.60
90WT0008	90WT0008	06/09/2000	GROUNDWATER	61.00	71.00	1.00	11.00
90WT0010	90WT0010	06/05/2000	GROUNDWATER	82.00	92.00	-2.68	7.32
90WT0010-L	90WT0010	06/05/2000	GROUNDWATER	82.00	92.00	-2.68	7.32
90WT0013	90WT0013	06/02/2000	GROUNDWATER	115.00	125.00	19.14	29.14
90WT0019	90WT0019	06/02/2000	GROUNDWATER	96.00	106.00	-0.48	9.52
95-14	95-14	06/08/2000	GROUNDWATER	102.00	112.00	89.89	99.89
95-15	95-15	06/08/2000	GROUNDWATER	189.00	199.00	140.79	150.79
95-6A	95-6A	06/14/2000	GROUNDWATER	175.00	185.00	146.00	156.00
95-6B	95-6B	06/07/2000	GROUNDWATER	119.00	129.00	94.11	104.11
95-6ES	95-6ES	06/23/2000	GROUNDWATER	38.00	48.00	-5.98	4.02
97-1	97-1	06/13/2000	GROUNDWATER	83.00	93.00	62.50	72.50
97-3	97-3	06/13/2000	GROUNDWATER	75.00	85.00	37.15	47.15
97-5	97-5	06/10/2000	GROUNDWATER	84.00	94.00	76.20	86.20

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TABLE 2
SAMPLING PROGRESS
6/1/2000-6/30/2000

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
BHW215083	BHW215083	06/07/2000	GROUNDWATER	74.00	84.00	16.95	26.95
LRWS2-3	LRWS2-3	06/15/2000	GROUNDWATER	147.00	157.00	111.05	121.05
RS0012OSNK	12 Old Snake Po	06/13/2000	GROUNDWATER	0.00	0.00	14.00	24.00
SDW263111	SDW263111	06/14/2000	GROUNDWATER	99.00	109.00	5.82	15.82
SMR-2	SMR-2	06/12/2000	GROUNDWATER	121.00	131.00	16.42	26.42
W02DDA	MW-02	06/01/2000	GROUNDWATER	355.00	360.00	212.93	217.93
W02SSA	MW-02	06/02/2000	GROUNDWATER	137.00	147.00	-5.05	4.95
W02SSL	MW-02	06/02/2000	GROUNDWATER	137.00	147.00	-5.05	4.95
W100M1A	MW-100	06/06/2000	GROUNDWATER	179.00	189.00	44.48	54.48
W100M1D	MW-100	06/06/2000	GROUNDWATER	179.00	189.00	44.48	54.48
W100M2A	MW-100	06/06/2000	GROUNDWATER	164.00	174.00	29.53	39.53
W101M1A	MW-101	06/06/2000	GROUNDWATER	158.00	168.00	25.38	35.38
W101SSA	MW-101	06/06/2000	GROUNDWATER	131.00	141.00	-1.75	8.25
W102M1A	MW-102	06/06/2000	GROUNDWATER	267.00	277.00	121.07	131.07
W102M2A	MW-102	06/07/2000	GROUNDWATER	237.00	247.00	90.92	100.92
W102SSA	MW-102	06/06/2000	GROUNDWATER	145.00	155.00	-1.01	8.99
W103M1A	MW-103	06/16/2000	GROUNDWATER	298.00	308.00	153.66	163.66
W103M2A	MW-103	06/16/2000	GROUNDWATER	282.00	292.00	137.67	147.67
W103SSA	MW-103	06/16/2000	GROUNDWATER	143.00	153.00	-1.38	8.62
W104M1A	MW-104	06/12/2000	GROUNDWATER	155.00	165.00	34.50	44.50
W104M2A	MW-104	06/12/2000	GROUNDWATER	135.00	145.00	14.68	24.68
W104SSA	MW-104	06/12/2000	GROUNDWATER	118.00	128.00	-2.30	7.70
W105M1A	MW-105	06/21/2000	GROUNDWATER	205.00	215.00	75.08	85.08
W105M2A	MW-105	06/21/2000	GROUNDWATER	165.00	175.00	35.04	45.04
W106M1A	MW-106	06/19/2000	GROUNDWATER	170.50	180.50	35.16	45.16
W106M2A	MW-106	06/19/2000	GROUNDWATER	140.50	150.50	5.16	15.16
W107M1A	MW-107	06/21/2000	GROUNDWATER	155.00	165.00	33.11	43.11
W107M2A	MW-107	06/21/2000	GROUNDWATER	125.00	135.00	3.17	13.17
W19SSA	MW-19	06/06/2000	GROUNDWATER	38.00	48.00	-6.86	3.14
W23SSA	MW-23	06/13/2000	GROUNDWATER	122.50	132.50	-6.87	3.13
W23SSL	MW-23	06/13/2000	GROUNDWATER	122.50	132.50	-6.87	3.13
W28SSA	MW-28	06/01/2000	GROUNDWATER	95.00	105.00	-5.88	4.12
W29SSA	MW-29	06/01/2000	GROUNDWATER	98.50	108.50	-6.85	3.15
W30SSA	MW-30	06/09/2000	GROUNDWATER	26.00	36.00	-4.56	5.44
W36SSA	MW-36	06/09/2000	GROUNDWATER	73.00	83.00	-5.46	4.54
W41M2A	MW-41	06/08/2000	GROUNDWATER	194.00	204.00	64.00	74.00
W43SSA	MW-43	06/07/2000	GROUNDWATER	129.00	139.00	-7.59	2.41
W46SSA	MW-46	06/15/2000	GROUNDWATER	154.00	164.00	-8.92	1.08
W48DAA	MW-48	06/26/2000	GROUNDWATER	221.00	231.00	118.00	128.00
W48M1A	MW-48	06/22/2000	GROUNDWATER	191.00	201.00	88.15	98.15
W48M1D	MW-48	06/22/2000	GROUNDWATER	191.00	201.00	88.15	98.15
W48M2A	MW-48	06/22/2000	GROUNDWATER	161.00	171.00	58.33	68.33
W48M3A	MW-48	06/22/2000	GROUNDWATER	131.50	141.50	-10.00	0.00
W48SSA	MW-48	06/26/2000	GROUNDWATER	99.00	109.00	-3.80	6.20
W49DDA	MW-49	06/26/2000	GROUNDWATER	185.00	195.00	112.03	122.03
W49M1A	MW-49	06/23/2000	GROUNDWATER	160.00	170.00	87.55	97.55
W49M2A	MW-49	06/27/2000	GROUNDWATER	130.00	140.00	57.47	67.47
W49M3A	MW-49	06/27/2000	GROUNDWATER	100.50	110.50	28.32	38.32
W49M3D	MW-49	06/27/2000	GROUNDWATER	100.50	110.50	28.32	38.32
W49SSA	MW-49	06/27/2000	GROUNDWATER	68.50	78.80	-3.90	6.40

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SAMPLING PROGRESS
6/1/2000-6/30/2000

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W51DDA	MW-51	06/01/2000	GROUNDWATER	264.00	274.00	110.27	120.27
W51M1A	MW-51	06/01/2000	GROUNDWATER	234.00	244.00	85.46	95.46
W51M3A	MW-51	06/01/2000	GROUNDWATER	173.00	183.00	24.53	34.53
W53DDA	MW-53	06/01/2000	GROUNDWATER	283.00	293.00	153.08	163.08
W53M1A	MW-53	06/01/2000	GROUNDWATER	224.00	234.00	96.25	106.25
W53SSA	MW-53	06/09/2000	GROUNDWATER	121.00	131.00	-9.25	0.75
W54DDA	MW-54	06/03/2000	GROUNDWATER	278.00	288.00	124.32	134.32
W54M1A	MW-54	06/03/2000	GROUNDWATER	230.00	240.00	76.35	86.35
W54M2A	MW-54	06/03/2000	GROUNDWATER	210.00	220.00	56.27	66.27
W54M2D	MW-54	06/03/2000	GROUNDWATER	210.00	220.00	56.27	66.27
W54SSA	MW-54	06/06/2000	GROUNDWATER	148.00	158.00	-5.70	4.30
W54SSL	MW-54	06/06/2000	GROUNDWATER	148.00	158.00	-5.70	4.30
W55DDA	MW-55	06/01/2000	GROUNDWATER	255.00	265.00	116.32	126.32
W55M1A	MW-55	06/03/2000	GROUNDWATER	225.00	235.00	86.33	96.33
W55M2A	MW-55	06/01/2000	GROUNDWATER	194.00	204.00	55.45	65.45
W55SSA	MW-55	06/06/2000	GROUNDWATER	133.00	143.00	-5.50	4.50
W56DDA	MW-56	06/29/2000	GROUNDWATER	176.00	186.00	97.23	107.23
W56M1A	MW-56	06/29/2000	GROUNDWATER	156.00	166.00	77.37	87.37
W56M2A	MW-56	06/28/2000	GROUNDWATER	131.00	141.00	52.22	62.22
W56M3A	MW-56	06/28/2000	GROUNDWATER	106.00	116.00	27.45	37.45
W56SSA	MW-56	06/28/2000	GROUNDWATER	76.00	86.00	-2.49	7.51
W57M2A	MW-57	06/30/2000	GROUNDWATER	148.00	158.00	59.56	69.56
W57M3A	MW-57	06/30/2000	GROUNDWATER	117.00	127.00	28.40	38.40
W57SSA	MW-57	06/29/2000	GROUNDWATER	85.00	95.00	-3.67	6.33
W59M1A	MW-59	06/01/2000	GROUNDWATER	165.00	170.00	28.73	33.73
W59M2A	MW-59	06/01/2000	GROUNDWATER	150.00	160.00	13.72	23.72
W59SSA	MW-59	06/08/2000	GROUNDWATER	128.00	138.00	-5.74	4.26
W72SSA	MW-72	06/07/2000	GROUNDWATER	106.00	116.00	-6.13	3.87
W72SSD	MW-72	06/07/2000	GROUNDWATER	106.00	116.00	-6.13	3.87
W73SSA	MW-73	06/02/2000	GROUNDWATER	39.00	49.00	-4.00	6.00
DW0602	GAC WATER	06/02/2000	IDW				
DW0613	GAC WATER	06/13/2000	IDW				
G105DHA	MW-105	06/01/2000	PROFILE	200.00	200.00	70.00	70.00
G105DIA	MW-105	06/01/2000	PROFILE	210.00	210.00	80.00	80.00
G105DJA	MW-105	06/06/2000	PROFILE	220.00	220.00	90.00	90.00
G105DJD	MW-105	06/06/2000	PROFILE	220.00	220.00	90.00	90.00
G105DKA	MW-105	06/06/2000	PROFILE	230.00	230.00	100.00	100.00
G105DLA	MW-105	06/06/2000	PROFILE	240.00	240.00	110.00	110.00
G105DMA	MW-105	06/06/2000	PROFILE	250.00	250.00	120.00	120.00
G105DNA	MW-105	06/06/2000	PROFILE	260.00	270.00	130.00	140.00
G105DOA	MW-105	06/06/2000	PROFILE	270.00	270.00	140.00	140.00
G105DPA	MW-105	06/07/2000	PROFILE	280.00	280.00	150.00	150.00
G105DQA	MW-105	06/07/2000	PROFILE	290.00	290.00	160.00	160.00
G105DRA	MW-105	06/07/2000	PROFILE	300.00	300.00	170.00	170.00
G105DSA	MW-105	06/08/2000	PROFILE	310.00	310.00	180.00	180.00
G105DTA	MW-105	06/08/2000	PROFILE	320.00	320.00	190.00	190.00
G105DUA	MW-105	06/08/2000	PROFILE	335.00	335.00	205.00	205.00
G106DEA	MW-106	06/01/2000	PROFILE	180.00	180.00	44.60	44.60
G106DFA	MW-106	06/01/2000	PROFILE	190.00	190.00	54.60	54.60
G106DGA	MW-106	06/01/2000	PROFILE	200.00	200.00	64.60	64.60

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SAMPLING PROGRESS
6/1/2000-6/30/2000

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G106DHA	MW-106	06/01/2000	PROFILE	210.00	210.00	74.60	74.60
G106DIA	MW-106	06/01/2000	PROFILE	220.00	220.00	84.60	84.60
G107DAA	MW-107	06/05/2000	PROFILE	122.00	122.00	0.35	0.35
G107DBA	MW-107	06/06/2000	PROFILE	130.00	130.00	8.35	8.35
G107DBD	MW-107	06/06/2000	PROFILE	130.00	130.00	8.35	8.35
G107DCA	MW-107	06/06/2000	PROFILE	140.00	140.00	18.35	18.35
G107DDA	MW-107	06/06/2000	PROFILE	150.00	150.00	28.35	28.35
G107DEA	MW-107	06/06/2000	PROFILE	160.00	160.00	38.35	38.35
G107DED	MW-107	06/06/2000	PROFILE	160.00	160.00	38.35	38.35
G107DFA	MW-107	06/06/2000	PROFILE	170.00	170.00	48.35	48.35
G107DGA	MW-107	06/06/2000	PROFILE	180.00	180.00	58.35	58.35
G107DHA	MW-107	06/06/2000	PROFILE	190.00	190.00	68.35	68.35
G107DIA	MW-107	06/06/2000	PROFILE	200.00	200.00	78.35	78.35
G107DJA	MW-107	06/06/2000	PROFILE	210.00	210.00	88.35	88.35
G108DAA	MW-108	06/23/2000	PROFILE	170.00	170.00	3.10	3.10
G108DAD	MW-108	06/23/2000	PROFILE	170.00	170.00	3.10	3.10
G108DBA	MW-108	06/26/2000	PROFILE	180.00	180.00	13.10	13.10
G108DCA	MW-108	06/26/2000	PROFILE	190.00	190.00	23.10	23.10
G108DDA	MW-108	06/26/2000	PROFILE	200.00	200.00	33.10	33.10
G108DDD	MW-108	06/26/2000	PROFILE	200.00	200.00	33.10	33.10
G108DEA	MW-108	06/26/2000	PROFILE	210.00	210.00	43.10	43.10
G108DFA	MW-108	06/26/2000	PROFILE	220.00	220.00	53.10	53.10
G108DGA	MW-108	06/26/2000	PROFILE	230.00	230.00	63.10	63.10
G108DHA	MW-108	06/27/2000	PROFILE	240.00	240.00	73.10	73.10
G108DIA	MW-108	06/27/2000	PROFILE	250.00	250.00	83.10	83.10
G108DID	MW-108	06/27/2000	PROFILE	250.00	250.00	83.10	83.10
G108DJA	MW-108	06/27/2000	PROFILE	260.00	260.00	93.10	93.10
G108DKA	MW-108	06/27/2000	PROFILE	270.00	270.00	103.10	103.10
G108DLA	MW-108	06/28/2000	PROFILE	280.00	280.00	113.10	113.10
G108DMA	MW-108	06/28/2000	PROFILE	290.00	290.00	123.10	123.10
G108DNA	MW-108	06/29/2000	PROFILE	300.00	300.00	133.10	133.10
G108DOA	MW-108	06/29/2000	PROFILE	310.00	310.00	143.10	143.10
G108DPA	MW-108	06/29/2000	PROFILE	320.00	320.00	153.10	153.10
G108DQA	MW-108	06/29/2000	PROFILE	330.00	330.00	163.10	163.10
G108DQD	MW-108	06/30/2000	PROFILE	330.00	330.00	163.10	163.10
G108DRA	MW-108	06/30/2000	PROFILE	340.00	340.00	173.10	173.10
G108DSA	MW-108	06/30/2000	PROFILE	345.00	345.00	178.10	178.10
G109DAA	MW-109	06/15/2000	PROFILE	95.00	95.00	3.90	3.90
G109DBA	MW-109	06/15/2000	PROFILE	100.00	100.00	8.90	8.90
G109DBD	MW-109	06/15/2000	PROFILE	100.00	100.00	8.90	8.90
G109DCA	MW-109	06/15/2000	PROFILE	110.00	110.00	18.90	18.90
G109DDA	MW-109	06/15/2000	PROFILE	120.00	120.00	28.90	28.90
G109DDD	MW-109	06/15/2000	PROFILE	120.00	120.00	28.90	28.90
G109DEA	MW-109	06/15/2000	PROFILE	130.00	130.00	38.90	38.90
G109DFA	MW-109	06/15/2000	PROFILE	140.00	140.00	48.90	48.90
G109DGA	MW-109	06/15/2000	PROFILE	150.00	150.00	58.90	58.90
G110DAA	MW-110	06/28/2000	PROFILE	180.00	180.00	4.50	4.50
G110DBA	MW-110	06/28/2000	PROFILE	190.00	190.00	14.50	14.50
G110DCA	MW-110	06/28/2000	PROFILE	200.00	200.00	24.50	24.50
G110DDA	MW-110	06/28/2000	PROFILE	210.00	210.00	34.50	34.50

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SAMPLING PROGRESS
6/1/2000-6/30/2000

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G110DEA	MW-110	06/29/2000	PROFILE	220.00	220.00	44.50	44.50
G110DED	MW-110	06/29/2000	PROFILE	220.00	220.00	44.50	44.50
G110DFA	MW-110	06/29/2000	PROFILE	230.00	230.00	54.50	54.50
G110DGA	MW-110	06/29/2000	PROFILE	240.00	240.00	64.50	64.50
G110DHA	MW-110	06/29/2000	PROFILE	250.00	250.00	74.50	74.50
G110DIA	MW-110	06/29/2000	PROFILE	260.00	260.00	84.50	84.50
G110DJA	MW-110	06/29/2000	PROFILE	270.00	270.00	94.50	94.50
G110DJD	MW-110	06/29/2000	PROFILE	270.00	270.00	94.50	94.50
G110DKA	MW-110	06/29/2000	PROFILE	280.00	280.00	104.50	104.50
G110DLA	MW-110	06/29/2000	PROFILE	290.00	290.00	114.50	114.50
G110DMA	MW-110	06/29/2000	PROFILE	300.00	300.00	124.50	124.50
ABB0010AAA	B-10	06/29/2000	SOIL BORING	3.00	4.00		
ABB0010BAA	B-10	06/29/2000	SOIL BORING	4.00	5.00		
ABB0010CAA	B-10	06/29/2000	SOIL BORING	5.00	6.00		
ABB0010DAA	B-10	06/29/2000	SOIL BORING	6.00	7.00		
ABB0010EAA	B-10	06/29/2000	SOIL BORING	7.00	8.00		
ABB0010FAA	B-10	06/29/2000	SOIL BORING	8.00	9.00		
ABB0010FAD	B-10	06/29/2000	SOIL BORING	8.00	9.00		
ABB0010GAA	B-10	06/29/2000	SOIL BORING	9.00	10.00		
ABB0010HAA	B-10	06/29/2000	SOIL BORING	10.00	11.00		
ABB0010IAA	B-10	06/29/2000	SOIL BORING	11.00	12.00		
ABB0010JAA	B-10	06/29/2000	SOIL BORING	12.00	13.00		
ABB0010KAA	B-10	06/29/2000	SOIL BORING	13.00	14.00		
ABB0010LAA	B-10	06/29/2000	SOIL BORING	14.00	15.00		
ABB0010LAD	B-10	06/29/2000	SOIL BORING	14.00	15.00		
ABB0010MAA	B-10	06/29/2000	SOIL BORING	15.00	16.00		
ABB0011AAA	B-11	06/29/2000	SOIL BORING	3.00	4.00		
ABB0011AAD	B-11	06/29/2000	SOIL BORING	3.00	4.00		
ABB0011BAA	B-11	06/29/2000	SOIL BORING	4.00	5.00		
ABB0011CAA	B-11	06/29/2000	SOIL BORING	5.00	6.00		
ABB0011DAA	B-11	06/29/2000	SOIL BORING	6.00	7.00		
ABB0011EAA	B-11	06/29/2000	SOIL BORING	7.00	8.00		
ABB0011FAA	B-11	06/29/2000	SOIL BORING	8.00	9.00		
ABB0011GAA	B-11	06/29/2000	SOIL BORING	9.00	10.00		
ABB0011HAA	B-11	06/29/2000	SOIL BORING	10.00	11.00		
ABB0011IAA	B-11	06/29/2000	SOIL BORING	11.00	12.00		
ABB0011JAA	B-11	06/29/2000	SOIL BORING	12.00	13.00		
ABB0012AAA	B-12	06/28/2000	SOIL BORING	3.00	4.00		
ABB0012BAA	B-12	06/28/2000	SOIL BORING	4.00	5.00		
ABB0012CAA	B-12	06/28/2000	SOIL BORING	5.00	6.00		
ABB0012CAD	B-12	06/28/2000	SOIL BORING	5.00	6.00		
ABB0012DAA	B-12	06/28/2000	SOIL BORING	6.00	7.00		
ABB0012EAA	B-12	06/29/2000	SOIL BORING	7.00	8.00		
ABB0012FAA	B-12	06/29/2000	SOIL BORING	8.00	9.00		
ABB0012GAA	B-12	06/29/2000	SOIL BORING	9.00	10.00		
ABB0012HAA	B-12	06/29/2000	SOIL BORING	10.00	11.00		
ABB0012IAA	B-12	06/29/2000	SOIL BORING	11.00	12.00		
ABB0012JAA	B-12	06/29/2000	SOIL BORING	12.00	13.00		
ABB0012KAA	B-12	06/29/2000	SOIL BORING	13.00	14.00		
ABB0012LAA	B-12	06/29/2000	SOIL BORING	14.00	15.00		

Profiling methods include: Volatiles and Explosives
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TABLE 2
SAMPLING PROGRESS
6/1/2000-6/30/2000

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
ABB0012LAD	B-12	06/29/2000	SOIL BORING	14.00	15.00		
ABB0012MAA	B-12	06/29/2000	SOIL BORING	15.00	16.00		
ABB0013AAA	B-13	06/28/2000	SOIL BORING	3.00	4.00		
ABB0013BAA	B-13	06/28/2000	SOIL BORING	4.00	5.00		
ABB0013CAA	B-13	06/28/2000	SOIL BORING	5.00	6.00		
ABB0013DAA	B-13	06/28/2000	SOIL BORING	6.00	7.00		
ABB0013DAD	B-13	06/28/2000	SOIL BORING	6.00	7.00		
ABB0014AAA	B-14	06/28/2000	SOIL BORING	3.00	4.00		
ABB0014BAA	B-14	06/28/2000	SOIL BORING	4.00	5.00		
ABB0014CAA	B-14	06/28/2000	SOIL BORING	5.00	6.00		
ABB0014DAA	B-14	06/28/2000	SOIL BORING	6.00	7.00		
ABB0015AAA	B-15	06/28/2000	SOIL BORING	3.00	4.00		
ABB0015BAA	B-15	06/28/2000	SOIL BORING	4.00	5.00		
ABB0015CAA	B-15	06/28/2000	SOIL BORING	5.00	6.00		
ABB0015DAA	B-15	06/28/2000	SOIL BORING	6.00	7.00		
ABB0015EAA	B-15	06/28/2000	SOIL BORING	7.00	8.00		
ABB0015FAA	B-15	06/28/2000	SOIL BORING	8.00	9.00		
ABB0015FAD	B-15	06/28/2000	SOIL BORING	8.00	9.00		
ABB0015GAA	B-15	06/28/2000	SOIL BORING	9.00	10.00		
ABB0015HAA	B-15	06/28/2000	SOIL BORING	10.00	11.00		
ABB0015IAA	B-15	06/28/2000	SOIL BORING	11.00	12.00		
ABB0015JAA	B-15	06/28/2000	SOIL BORING	12.00	13.00		
ABB0015KAA	B-15	06/28/2000	SOIL BORING	13.00	14.00		
ABB0015LAA	B-15	06/28/2000	SOIL BORING	14.00	15.00		
ABB0015MAA	B-15	06/28/2000	SOIL BORING	15.00	16.00		
ABB0015MAD	B-15	06/28/2000	SOIL BORING	15.00	16.00		
ABB0016AAA	B-16	06/28/2000	SOIL BORING	3.00	4.00		
ABB0016BAA	B-16	06/28/2000	SOIL BORING	4.00	5.00		
ABB0016BAD	B-16	06/28/2000	SOIL BORING	4.00	5.00		
ABB0016CAA	B-16	06/28/2000	SOIL BORING	5.00	6.00		
ABB0016DAA	B-16	06/28/2000	SOIL BORING	6.00	7.00		
ABB0016EAA	B-16	06/28/2000	SOIL BORING	7.00	8.00		
ABB0016FAA	B-16	06/28/2000	SOIL BORING	8.00	9.00		
ABB0016GAA	B-16	06/28/2000	SOIL BORING	9.00	10.00		
ABB0016HAA	B-16	06/28/2000	SOIL BORING	10.00	11.00		
ABB0016IAA	B-16	06/28/2000	SOIL BORING	11.00	12.00		
ABB0016IAD	B-16	06/28/2000	SOIL BORING	11.00	12.00		
ABB0016JAA	B-16	06/28/2000	SOIL BORING	12.00	13.00		
ABB0016KAA	B-16	06/28/2000	SOIL BORING	13.00	14.00		
ABB0016LAA	B-16	06/28/2000	SOIL BORING	14.00	15.00		
ABB0016MAA	B-16	06/28/2000	SOIL BORING	15.00	16.00		
ABB0017AAA	B-17	06/27/2000	SOIL BORING	3.00	4.00		
ABB0017BAA	B-17	06/27/2000	SOIL BORING	4.00	5.00		
ABB0017CAA	B-17	06/27/2000	SOIL BORING	5.00	6.00		
ABB0017DAA	B-17	06/27/2000	SOIL BORING	6.00	7.00		
ABB0017DAD	B-17	06/27/2000	SOIL BORING	6.00	7.00		
ABB0017EAA	B-17	06/27/2000	SOIL BORING	7.00	8.00		
ABB0017FAA	B-17	06/27/2000	SOIL BORING	8.00	9.00		
ABB0017GAA	B-17	06/27/2000	SOIL BORING	9.00	10.00		
ABB0017HAA	B-17	06/27/2000	SOIL BORING	10.00	11.00		

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TABLE 2
SAMPLING PROGRESS
6/1/2000-6/30/2000

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
ABB0017IAA	B-17	06/27/2000	SOIL BORING	11.00	12.00		
ABB0017JAA	B-17	06/27/2000	SOIL BORING	12.00	13.00		
ABB0017KAA	B-17	06/27/2000	SOIL BORING	13.00	14.00		
ABB0017KAD	B-17	06/27/2000	SOIL BORING	13.00	14.00		
ABB0017LAA	B-17	06/27/2000	SOIL BORING	14.00	15.00		
ABB0017MAA	B-17	06/27/2000	SOIL BORING	15.00	16.00		
ABB0018AAA	B-18	06/27/2000	SOIL BORING	3.00	4.00		
ABB0018BAA	B-18	06/27/2000	SOIL BORING	4.00	5.00		
ABB0018CAA	B-18	06/27/2000	SOIL BORING	5.00	6.00		
ABB0018DAA	B-18	06/27/2000	SOIL BORING	6.00	7.00		
ABB0018EAA	B-18	06/27/2000	SOIL BORING	7.00	8.00		
ABB0018EAD	B-18	06/27/2000	SOIL BORING	7.00	8.00		
ABB0018FAA	B-18	06/27/2000	SOIL BORING	8.00	9.00		
ABB0018GAA	B-18	06/27/2000	SOIL BORING	9.00	10.00		
ABB0018HAA	B-18	06/27/2000	SOIL BORING	10.00	11.00		
ABB0018IAA	B-18	06/27/2000	SOIL BORING	11.00	12.00		
ABB0018JAA	B-18	06/27/2000	SOIL BORING	12.00	13.00		
ABB0018KAA	B-18	06/27/2000	SOIL BORING	13.00	14.00		
ABB0018LAA	B-18	06/27/2000	SOIL BORING	14.00	15.00		
ABB0018LAD	B-18	06/27/2000	SOIL BORING	14.00	15.00		
ABB0018MAA	B-18	06/27/2000	SOIL BORING	15.00	16.00		
S106DAA	MW-106	06/05/2000	SOIL BORING	0.00	0.50		
S106DBA	MW-106	06/05/2000	SOIL BORING	1.50	2.00		
S107DAA	MW-107	06/05/2000	SOIL BORING	0.00	0.50		
S107DBA	MW-107	06/05/2000	SOIL BORING	1.50	2.00		
S107DCA	MW-107	06/01/2000	SOIL BORING	10.00	12.00		
S107DDA	MW-107	06/02/2000	SOIL BORING	20.00	22.00		
S107DEA	MW-107	06/02/2000	SOIL BORING	30.00	33.00		
S107DFA	MW-107	06/02/2000	SOIL BORING	40.00	42.00		
S107DGA	MW-107	06/02/2000	SOIL BORING	50.00	52.00		
S107DGD	MW-107	06/02/2000	SOIL BORING	50.00	52.00		
S107DHA	MW-107	06/05/2000	SOIL BORING	60.00	62.00	14.00	24.00
S107DIA	MW-107	06/05/2000	SOIL BORING	70.00	72.00	14.00	24.00
S107DJA	MW-107	06/05/2000	SOIL BORING	80.00	82.00	14.00	24.00
S107DKA	MW-107	06/05/2000	SOIL BORING	90.00	92.00	14.00	24.00
S107DLA	MW-107	06/05/2000	SOIL BORING	100.00	102.00	14.00	24.00
S107DMA	MW-107	06/05/2000	SOIL BORING	110.00	112.00		
S108DCA	MW-108	06/15/2000	SOIL BORING	10.00	12.00		
S108DDA	MW-108	06/15/2000	SOIL BORING	20.00	22.00		
S108DEA	MW-108	06/15/2000	SOIL BORING	30.00	32.00		
S108DFA	MW-108	06/19/2000	SOIL BORING	40.00	42.00		
S108DGA	MW-108	06/19/2000	SOIL BORING	50.00	52.00		
S108DGD	MW-108	06/19/2000	SOIL BORING	50.00	52.00		
S108DIA	MW-108	06/21/2000	SOIL BORING	70.00	72.00		
S108DJA	MW-108	06/21/2000	SOIL BORING	80.00	82.00		
S108DKA	MW-108	06/21/2000	SOIL BORING	90.00	92.00		
S108DLA	MW-108	06/21/2000	SOIL BORING	100.00	102.00		
S108DMA	MW-108	06/21/2000	SOIL BORING	110.00	112.00		
S108DMD	MW-108	06/21/2000	SOIL BORING	110.00	112.00		
S108DNA	MW-108	06/22/2000	SOIL BORING	120.00	122.00		

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TABLE 2
SAMPLING PROGRESS
6/1/2000-6/30/2000

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
S108DOA	MW-108	06/22/2000	SOIL BORING	130.00	132.00		
S108DPA	MW-108	06/22/2000	SOIL BORING	140.00	142.00		
S108DQA	MW-108	06/22/2000	SOIL BORING	150.00	152.00		
S108DRA	MW-108	06/22/2000	SOIL BORING	160.00	162.00		
S109DCA	MW-109	06/14/2000	SOIL BORING	10.00	12.00		
S109DDA	MW-109	06/14/2000	SOIL BORING	20.00	22.00		
S109DEA	MW-109	06/14/2000	SOIL BORING	30.00	32.00		
S109DFA	MW-109	06/14/2000	SOIL BORING	40.00	42.00		
S109DGA	MW-109	06/14/2000	SOIL BORING	50.00	52.00		
S109DGD	MW-109	06/14/2000	SOIL BORING	50.00	52.00		
S109DHA	MW-109	06/14/2000	SOIL BORING	60.00	62.00		
S109DIA	MW-109	06/14/2000	SOIL BORING	70.00	72.00		
S109DJA	MW-109	06/14/2000	SOIL BORING	80.00	82.00		
S109DKA	MW-109	06/14/2000	SOIL BORING	90.00	92.00		
S110DCA	MW-110	06/21/2000	SOIL BORING	10.00	12.00		
S110DDA	MW-110	06/22/2000	SOIL BORING	20.00	22.00		
S110DDD	MW-110	06/22/2000	SOIL BORING	20.00	22.00		
S110DEA	MW-110	06/22/2000	SOIL BORING	30.00	32.00		
S110DFA	MW-110	06/22/2000	SOIL BORING	40.00	42.00		
S110DGA	MW-110	06/22/2000	SOIL BORING	50.00	52.00		
S110DHA	MW-110	06/22/2000	SOIL BORING	60.00	62.00		
S110DIA	MW-110	06/22/2000	SOIL BORING	70.00	72.00		
S110DJA	MW-110	06/22/2000	SOIL BORING	80.00	82.00		
S110DKA	MW-110	06/22/2000	SOIL BORING	90.00	92.00		
S110DLA	MW-110	06/23/2000	SOIL BORING	100.00	102.00		
S110DMA	MW-110	06/23/2000	SOIL BORING	110.00	112.00		
S110DNA	MW-110	06/23/2000	SOIL BORING	120.00	122.00		
S110DND	MW-110	06/23/2000	SOIL BORING	120.00	122.00		
S110DOA	MW-110	06/23/2000	SOIL BORING	130.00	132.00		
S110DPA	MW-110	06/27/2000	SOIL BORING	140.00	142.00		
S110DQA	MW-110	06/27/2000	SOIL BORING	150.00	152.00		
S110DRA	MW-110	06/28/2000	SOIL BORING	160.00	162.00	14.00	24.00
S110DSA	MW-110	06/28/2000	SOIL BORING	170.00	172.00	14.00	24.00
CS102G1AA	102G1	06/22/2000	SOIL GRID	0.00	0.25		
CS102G2AA	102G2	06/22/2000	SOIL GRID	0.00	0.25		
DEMO2-C4-1	DEMO2-C4-1	06/13/2000	SOIL GRID	0.00	0.25		
DEMO2-C4-2	DEMO2-C4-2	06/13/2000	SOIL GRID	0.00	0.25		
DEMO2-C4-3	DEMO2-C4-3	06/13/2000	SOIL GRID	0.00	0.25		
DEMO2-C4-4	DEMO2-C4-4	06/13/2000	SOIL GRID	0.00	0.25		
DEMO2-C4-5	DEMO2-C4-5	06/13/2000	SOIL GRID	0.00	0.25		
DEMO2-C4-6	DEMO2-C4-6	06/13/2000	SOIL GRID	0.00	0.25		
HC13K1AAA	13K	06/02/2000	SOIL GRID	0.00	0.50		
HC13K1AAD	13K	06/02/2000	SOIL GRID	0.00	0.50		
HC13K1BAA	13K	06/02/2000	SOIL GRID	0.50	1.00		
HC13K1BAD	13K	06/02/2000	SOIL GRID	0.50	1.00		
HC13L1AAA	13L	06/02/2000	SOIL GRID	0.00	0.50		
HC13L1BAA	13L	06/02/2000	SOIL GRID	0.50	1.00		
HC13M1AAA	13M	06/02/2000	SOIL GRID	0.00	0.50		
HC13M1BAA	13M	06/02/2000	SOIL GRID	0.50	1.00		
HC13N1AAA	13N	06/02/2000	SOIL GRID	0.00	0.50		

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TABLE 2
SAMPLING PROGRESS
6/1/2000-6/30/2000

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC13N1BAA	13N	06/02/2000	SOIL GRID	0.50	1.00		
HC13O1AAA	13O	06/02/2000	SOIL GRID	0.00	0.50		
HC13O1BAA	13O	06/02/2000	SOIL GRID	0.50	1.00		
HC13P1AAA	13P	06/02/2000	SOIL GRID	0.00	0.50		
HC13P1BAA	13P	06/02/2000	SOIL GRID	0.50	1.00		
HC13Q1AAA	13Q	06/02/2000	SOIL GRID	0.00	0.50		
HC13Q1BAA	13Q	06/02/2000	SOIL GRID	0.50	1.00		
HC13R1AAA	13R	06/02/2000	SOIL GRID	0.00	0.50		
HC13R1BAA	13R	06/02/2000	SOIL GRID	0.50	1.00		
HCJ1KPAAA	05S	06/15/2000	SOIL GRID	0.00	0.25		
HD05P1AAA	05P	06/21/2000	SOIL GRID	0.00	0.25		
HD05Q1AAA	05Q	06/21/2000	SOIL GRID	0.00	0.25		
HD05R1AAA	05R	06/21/2000	SOIL GRID	0.00	0.25		
HD100A1AAA	100A	06/14/2000	SOIL GRID	0.00	0.25		
HD100A1BAA	100A	06/14/2000	SOIL GRID	0.25	0.50		
HD100A1CAA	100A	06/14/2000	SOIL GRID	0.50	1.00		
HD100B1AAA	100B	06/14/2000	SOIL GRID	0.00	0.25		
HD100B1BAA	100B	06/14/2000	SOIL GRID	0.25	0.50		
HD100B1CAA	100B	06/14/2000	SOIL GRID	0.50	1.00		
HD100C1AAA	100C	06/14/2000	SOIL GRID	0.00	0.25		
HD100C1BAA	100C	06/14/2000	SOIL GRID	0.25	0.50		
HD100C1CAA	100C	06/14/2000	SOIL GRID	0.50	1.00		
HD100D1AAA	100D	06/14/2000	SOIL GRID	0.00	0.25		
HD100D1BAA	100D	06/14/2000	SOIL GRID	0.25	0.50		
HD100D1CAA	100D	06/14/2000	SOIL GRID	0.50	1.00		
HD100E1AAA	100E	06/14/2000	SOIL GRID	0.00	0.25		
HD100E1BAA	100E	06/14/2000	SOIL GRID	0.25	0.50		
HD100E1CAA	100E	06/14/2000	SOIL GRID	0.50	1.00		
HDD114AAA	114A	06/06/2000	SOIL GRID	0.00	0.25		
HDD115AAA	115A	06/06/2000	SOIL GRID	0.00	0.25		
HDD116AAA	116A	06/06/2000	SOIL GRID	0.00	0.25		
HC44CAA1AAE	FIELDQC	06/12/2000	FIELDQC	0.00	0.00		
HCAPC3BA1AAE	FIELDQC	06/14/2000	FIELDQC	0.00	0.00		
HD23IAA1AAE	FIELDQC	06/19/2000	FIELDQC	0.00	0.00		
HC44CAA1AAA	44CA	06/12/2000	SOIL GRID	0.00	0.50		
HC44CAA1AAD	44CA	06/12/2000	SOIL GRID	0.00	0.50		
HC44CAB1AAA	44CA	06/14/2000	SOIL GRID	0.00	0.50		
HC44CCA1AAA	44CC	06/12/2000	SOIL GRID	0.00	0.50		
HC44DAA1AAA	44DA	06/12/2000	SOIL GRID	0.00	0.50		
HC44DAB1AAA	44DA	06/12/2000	SOIL GRID	0.00	0.50		
HC44ECA1AAA	44EC	06/12/2000	SOIL GRID	0.00	0.50		
HC44ECB1AAA	44EC	06/14/2000	SOIL GRID	0.00	0.50		
HCAPC3B1CAA	APC3B	06/12/2000	SOIL GRID	1.50	2.00		
HCAPC3BA1AAA	APC3B	06/14/2000	SOIL GRID	0.00	0.50		
HCAPC3BB1AAA	APC3B	06/14/2000	SOIL GRID	0.00	0.50		
HCAPC3BC1AAA	APC3B	06/14/2000	SOIL GRID	0.00	0.50		
HCAPC3C1CAA	APC3C	06/12/2000	SOIL GRID	1.50	2.00		
HCAPC3CA1AAA	APC3C	06/14/2000	SOIL GRID	0.00	0.50		
HD23IAA1AAA	23IA	06/19/2000	SOIL GRID	0.00	0.50		
HD23IBA1AAA	23IB	06/19/2000	SOIL GRID	0.00	0.50		

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

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
ECMWSNP02	ECMWSNP02D	9/13/1999	504	1,2-DIBROMOETHANE (ETHYI	110.00		NG/L	79.90	84.90	50.00	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	0.00	0.00	2.00	X
58MW0002	WC2XXA	10/8/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.80		UG/L	0.00	0.00	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	W01MMA	9/29/1997	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.60		UG/L	40.00	45.00	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	W01M2A	3/1/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20		UG/L	40.00	45.00	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-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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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 JUNE 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	W31MMA	7/15/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	280.00		UG/L	29.00	39.00	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	W31MMA	2/2/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	370.00		UG/L	29.00	39.00	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	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-37	W37M2A	12/29/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.60		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-40	W40M1A	12/30/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.00	J	UG/L	15.50	25.50	2.00	X
MW-58	W58SSA	11/23/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.70	J	UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	2/15/00	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.00		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	1/20/00	8330N	HEXAHYDRO-1,3,5-TRINITRO	11.00		UG/L	0.00	10.00	2.00	X
MW-76	W76M2A	1/24/00	8330N	HEXAHYDRO-1,3,5-TRINITRO	31.00		UG/L	35.00	45.00	2.00	X
MW-76	W76M2D	1/24/00	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	35.00	45.00	2.00	X
MW-77	W77M2A	1/25/00	8330N	HEXAHYDRO-1,3,5-TRINITRO	150.00		UG/L	35.00	35.00	2.00	X
ASPWELL	ASPWELL	7/20/1999	E200.8	LEAD	53.00		UG/L	0.00	0.00	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	W38DDA	8/17/1999	IM40MB	ANTIMONY	6.90	J	UG/L	125.00	135.00	6.00	X
MW-38	W38SSA	8/18/1999	IM40MB	ANTIMONY	7.40		UG/L	0.00	10.00	6.00	X

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
MW-38	W38M3A	8/18/1999	IM40MB	ANTIMONY	6.60	J	UG/L	53.00	63.00	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
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	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	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	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	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	W16SSA	3/10/1999	IM40MB	MOLYBDENUM	21.00	J	UG/L	0.00	10.00	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	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	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	9/3/1999	IM40MB	MOLYBDENUM	12.80		UG/L	287.00	295.00	10.00	X
MW-46	W46M1A	3/29/1999	IM40MB	MOLYBDENUM	32.80		UG/L	102.00	112.00	10.00	X
MW-46	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	W46DDA	4/1/1999	IM40MB	MOLYBDENUM	17.20		UG/L	135.00	145.00	10.00	X
MW-46	W46M2A	8/24/1999	IM40MB	MOLYBDENUM	17.40		UG/L	55.00	65.00	10.00	X

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
MW-47	W47M2A	3/26/1999	IM40MB	MOLYBDENUM	11.00		UG/L	38.00	48.00	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-48	W48M1A	11/23/1999	IM40MB	MOLYBDENUM	17.90		UG/L	90.00	100.00	10.00	X
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	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	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	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	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	W52DDA	8/30/1999	IM40MB	MOLYBDENUM	28.30		UG/L	219.00	229.00	10.00	X
MW-52	W52DDL	8/30/1999	IM40MB	MOLYBDENUM	26.80		UG/L	219.00	229.00	10.00	X
MW-52	W52M3L	11/8/1999	IM40MB	MOLYBDENUM	10.50		UG/L	26.00	36.00	10.00	X
MW-52	W52DDA	11/9/1999	IM40MB	MOLYBDENUM	22.70		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	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	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	W53DDA	8/30/1999	IM40MB	MOLYBDENUM	11.50		UG/L	157.00	167.00	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-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	W54M1A	4/30/1999	IM40MB	MOLYBDENUM	11.80		UG/L	80.00	90.00	10.00	X
MW-54	W54M2A	5/4/1999	IM40MB	MOLYBDENUM	11.20		UG/L	58.00	68.00	10.00	X

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TABLE 3
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1997 THROUGH JUNE 2000

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
MW-54	W54M2L	5/4/1999	IM40MB	MOLYBDENUM	13.10		UG/L	58.00	68.00	10.00	X
MW-54	W54DDA	5/5/1999	IM40MB	MOLYBDENUM	17.50		UG/L	126.00	136.00	10.00	X
MW-54	W54SSA	8/27/1999	IM40MB	MOLYBDENUM	61.40		UG/L	0.00	10.00	10.00	X
MW-54	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
MW-54	W54SSA	11/8/1999	IM40MB	MOLYBDENUM	25.50		UG/L	0.00	10.00	10.00	X
MW-54	W54M2A	11/8/1999	IM40MB	MOLYBDENUM	14.50		UG/L	58.00	68.00	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	W55M2A	5/14/1999	IM40MB	MOLYBDENUM	21.80		UG/L	60.00	70.00	10.00	X
MW-55	W55SSA	5/17/1999	IM40MB	MOLYBDENUM	15.90		UG/L	0.00	10.00	10.00	X
MW-55	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-57	W57M3A	12/13/1999	IM40MB	MOLYBDENUM	21.90		UG/L	30.00	40.00	10.00	X
MW-57	W57DDA	12/13/1999	IM40MB	MOLYBDENUM	18.60		UG/L	125.00	135.00	10.00	X
MW-57	W57DDL	12/13/1999	IM40MB	MOLYBDENUM	17.80		UG/L	125.00	135.00	10.00	X
MW-57	W57SSA	12/21/1999	IM40MB	MOLYBDENUM	15.20		UG/L	0.00	10.00	10.00	X
MW-57	W57SSD	12/21/1999	IM40MB	MOLYBDENUM	16.30		UG/L	0.00	10.00	10.00	X
MW-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	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-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

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MW-2	W02SSL	2/1/1999	IM40MB	SODIUM	20,100.00		UG/L	0.00	10.00	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	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-46	W46SSA	8/25/1999	IM40MB	SODIUM	20,600.00		UG/L	0.00	10.00	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
MW-57	W57M1A	12/14/1999	IM40MB	SODIUM	23,700.00		UG/L	100.00	110.00	20,000.00	X
MW-57	W57M2A	12/21/1999	IM40MB	SODIUM	23,500.00		UG/L	60.00	70.00	20,000.00	X
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
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	W19DDL	2/11/1999	IM40MB	THALLIUM	3.10	J	UG/L	251.00	256.00	2.00	X
MW-19	W19SSA	9/10/1999	IM40MB	THALLIUM	3.80	J	UG/L	0.00	10.00	2.00	X
MW-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-37	W37M2A	12/29/1999	IM40MB	THALLIUM	4.90	J	UG/L	28.00	38.00	2.00	X
MW-38	W38M2A	5/11/1999	IM40MB	THALLIUM	4.90	J	UG/L	70.00	80.00	2.00	X
MW-38	W38M4A	8/18/1999	IM40MB	THALLIUM	2.80	J	UG/L	15.00	25.00	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

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1997 THROUGH JUNE 2000

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
MW-47	W47M2A	3/26/1999	IM40MB	THALLIUM	3.20	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-47	W47M3A	8/25/1999	IM40MB	THALLIUM	3.20	J	UG/L	21.00	31.00	2.00	X
MW-47	W47M2A	8/25/1999	IM40MB	THALLIUM	4.00	J	UG/L	38.00	48.00	2.00	X
MW-48	W48M3A	2/28/00	IM40MB	THALLIUM	4.20	J	UG/L	29.73	39.73	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	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	W52M3L	4/7/1999	IM40MB	THALLIUM	3.60	J	UG/L	26.00	36.00	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	W52DDA	8/30/1999	IM40MB	THALLIUM	3.80	J	UG/L	219.00	229.00	2.00	X
MW-52	W52SSA	11/18/1999	IM40MB	THALLIUM	4.30	J	UG/L	0.00	10.00	2.00	X
MW-53	W53M1A	11/5/1999	IM40MB	THALLIUM	3.40	J	UG/L	100.00	110.00	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-54	W54SSA	11/8/1999	IM40MB	THALLIUM	7.40	J	UG/L	0.00	10.00	2.00	X
MW-55	W55M1A	8/31/1999	IM40MB	THALLIUM	2.50	J	UG/L	90.00	100.00	2.00	X
MW-64	W64M1A	2/7/00	IM40MB	THALLIUM	4.10	J	UG/L	37.00	47.00	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	W07MMA	2/23/1999	IM40MB	THALLIUM	4.10	J	UG/L	67.00	72.00	2.00	X
MW-7	W07M2A	2/24/1999	IM40MB	THALLIUM	4.40	J	UG/L	137.00	142.00	2.00	X
MW-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-72	W72SSA	5/27/1999	IM40MB	THALLIUM	4.00		UG/L	0.00	10.00	2.00	X
MW-83	W83SSA	1/13/00	IM40MB	THALLIUM	3.60	J	UG/L	0.00	10.00	2.00	X
MW-84	W84SSA	10/21/1999	IM40MB	THALLIUM	3.20	J	UG/L	0.00	10.00	2.00	X
PPAWSMW-1	PPAWSMW-1	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	79.00	89.00	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	73.00	83.00	2,000.00	X
LRWS3-1	WL31XL	10/21/1997	IM40MB	ZINC	2,410.00		UG/L	102.00	117.00	2,000.00	X
LRWS4-1	WL41XA	11/24/1997	IM40MB	ZINC	3,220.00		UG/L	66.00	91.00	2,000.00	X

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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
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

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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 JUNE 2000

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
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
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	222.00	227.00	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

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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 JUNE 2000

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
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	69.00	79.00	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
MW-47	W47DDA	8/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	16.00		UG/L	100.00	110.00	6.00	X
MW-49	W49SSA	3/1/00	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	290.00		UG/L	0.00	10.00	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	W53DDA	2/18/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	18.00		UG/L	157.00	167.00	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-55	W55DDA	5/13/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	120.00	130.00	6.00	X
MW-57	W57DDA	12/13/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	95.00		UG/L	125.00	135.00	6.00	X
MW-57	W57SSA	12/21/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	3,300.00	J	UG/L	0.00	10.00	6.00	X
MW-7	W07SSA	10/31/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	10.00		UG/L	0.00	10.00	6.00	X
MW-70	W70M1A	10/27/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	10.00		UG/L	130.00	140.00	6.00	X
MW-84	W84DDA	3/3/00	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	30.00		UG/L	151.00	161.00	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

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
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 = EITHER THE MCL OR LOWEST HEALTH ADVISORY CONCENTRATION (CHILD, ADULT OR LIFETIME)
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TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 5/16/00-06/30/00

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
HDGR37MM3	37MM3	06/09/2000	CRATER GRAB	0.00	0.25			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
HDGR37MM3	37MM3	06/09/2000	CRATER GRAB	0.00	0.25			8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
HDGR37MM4	37MM4	06/09/2000	CRATER GRAB	0.00	0.25			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G109DAE	FIELDQC	06/15/2000	FIELDQC	0.00	0.00			OC21V	ACETONE	
90LWA0007	90LWA0007	06/08/2000	GROUNDWATER	32.00	L02.00	-61.40	8.60	8330N	2-NITROTOLUENE	NO
90LWA0007	90LWA0007	06/08/2000	GROUNDWATER	32.00	L02.00	-61.40	8.60	8330N	3-NITROTOLUENE	NO
90LWA0007	90LWA0007	06/08/2000	GROUNDWATER	32.00	L02.00	-61.40	8.60	8330N	4-NITROTOLUENE	NO
90MW0022	90MW0022	05/29/2000	GROUNDWATER	115.50	L20.50	76.29	81.29	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
90WT0004	90WT0004	06/09/2000	GROUNDWATER	38.00	48.00	4.02	14.02	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
90WT0013	90WT0013	06/02/2000	GROUNDWATER	115.00	L25.00	19.14	29.14	8330N	1,3,5-TRINITROBENZENE	NO
90WT0013	90WT0013	06/02/2000	GROUNDWATER	115.00	L25.00	19.14	29.14	8330N	PICRIC ACID	NO
90WT0019	90WT0019	06/02/2000	GROUNDWATER	96.00	L06.00	-0.48	9.52	8330N	PICRIC ACID	NO
W01SSA	MW-01	05/31/2000	GROUNDWATER	114.00	L24.00	-5.95	4.05	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W01SSA	MW-01	05/31/2000	GROUNDWATER	114.00	L24.00	-5.95	4.05	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W100M1A	MW-100	06/06/2000	GROUNDWATER	179.00	L89.00	44.48	54.48	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W100M1A	MW-100	06/06/2000	GROUNDWATER	179.00	L89.00	44.48	54.48	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W100M1D	MW-100	06/06/2000	GROUNDWATER	179.00	L89.00	44.48	54.48	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W100M1D	MW-100	06/06/2000	GROUNDWATER	179.00	L89.00	44.48	54.48	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W100M2A	MW-100	06/06/2000	GROUNDWATER	164.00	L74.00	29.53	39.53	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W101M1A	MW-101	06/06/2000	GROUNDWATER	158.00	L68.00	25.38	35.38	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W101SSA	MW-101	06/06/2000	GROUNDWATER	131.00	L41.00	-1.75	8.25	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W105M1A	MW-105	06/21/2000	GROUNDWATER	205.00	215.00	75.08	85.08	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W105M2A	MW-105	06/21/2000	GROUNDWATER	165.00	L75.00	35.04	45.04	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W107M1A	MW-107	06/21/2000	GROUNDWATER	155.00	L65.00	33.11	43.11	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W107M2A	MW-107	06/21/2000	GROUNDWATER	125.00	L35.00	3.17	13.17	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W107M2A	MW-107	06/21/2000	GROUNDWATER	125.00	L35.00	3.17	13.17	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W16SSA	MW-16	05/31/2000	GROUNDWATER	125.00	L35.00	-10.01	-0.01	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W25SSA	MW-25	05/31/2000	GROUNDWATER	108.00	L18.00	-5.75	4.25	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W25SSD	MW-25	05/31/2000	GROUNDWATER	108.00	L18.00	-5.75	4.25	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W27SSA	MW-27	05/30/2000	GROUNDWATER	117.00	L27.00	-5.87	4.13	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W30SSA	MW-30	06/09/2000	GROUNDWATER	26.00	36.00	-4.56	5.44	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W43M2A	MW-43	05/31/2000	GROUNDWATER	200.00	210.00	63.39	73.39	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W45SSA	MW-45	05/29/2000	GROUNDWATER	89.00	99.00	-5.21	4.79	8330N	1,3,5-TRINITROBENZENE	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 5/16/00-06/30/00

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
W45SSA	MW-45	05/29/2000	GROUNDWATER	89.00	99.00	-5.21	4.79	8330N	2,6-DINITROTOLUENE	NO
W45SSA	MW-45	05/29/2000	GROUNDWATER	89.00	99.00	-5.21	4.79	8330N	NITROGLYCERIN	NO
W45SSA	MW-45	05/29/2000	GROUNDWATER	89.00	99.00	-5.21	4.79	8330N	PICRIC ACID	NO
W59SSA	MW-59	06/08/2000	GROUNDWATER	128.00	138.00	-5.74	4.26	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W59SSA	MW-59	06/08/2000	GROUNDWATER	128.00	138.00	-5.74	4.26	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W73SSA	MW-73	06/02/2000	GROUNDWATER	39.00	49.00	-4.00	6.00	8330N	2,4,6-TRINITROTOLUENE	YES
W73SSA	MW-73	06/02/2000	GROUNDWATER	39.00	49.00	-4.00	6.00	8330N	2-AMINO-4,6-DINITROTOLUENE	YES
W73SSA	MW-73	06/02/2000	GROUNDWATER	39.00	49.00	-4.00	6.00	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
W73SSA	MW-73	06/02/2000	GROUNDWATER	39.00	49.00	-4.00	6.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W73SSA	MW-73	06/02/2000	GROUNDWATER	39.00	49.00	-4.00	6.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W85SSA	MW-85	05/30/2000	GROUNDWATER	116.00	126.00	-3.15	6.85	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W89M1A	MW-89	05/26/2000	GROUNDWATER	234.00	244.00	89.17	99.17	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W89M2A	MW-89	05/26/2000	GROUNDWATER	214.00	224.00	68.95	78.95	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W89M2A	MW-89	05/26/2000	GROUNDWATER	214.00	224.00	68.95	78.95	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W93M1A	MW-93	05/26/2000	GROUNDWATER	185.00	195.00	54.90	64.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W93M2A	MW-93	05/26/2000	GROUNDWATER	145.00	155.00	14.50	24.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W95M1A	MW-95	05/25/2000	GROUNDWATER	202.00	212.00	74.99	84.99	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W96M2A	MW-96	05/26/2000	GROUNDWATER	160.00	170.00	23.52	33.52	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W98M1A	MW-98	05/25/2000	GROUNDWATER	164.00	174.00	25.06	35.06	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W99M1A	MW-99	05/25/2000	GROUNDWATER	170.00	180.00	43.37	53.37	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W99M1D	MW-99	05/25/2000	GROUNDWATER	195.00	205.00	59.22	69.22	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W99SSA	MW-99	05/25/2000	GROUNDWATER	133.00	143.00	-2.92	7.08	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W99SSD	MW-99	05/25/2000	GROUNDWATER	133.00	143.00	-2.92	7.08	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G105DHA	MW-105	06/01/2000	PROFILE	200.00	200.00	14.00	24.00	8330N	2,6-DINITROTOLUENE	NO
G105DHA	MW-105	06/01/2000	PROFILE	200.00	200.00	14.00	24.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G105DHA	MW-105	06/01/2000	PROFILE	200.00	200.00	14.00	24.00	8330N	NITROGLYCERIN	NO
G105DHA	MW-105	06/01/2000	PROFILE	200.00	200.00	14.00	24.00	8330N	PICRIC ACID	NO
G105DIA	MW-105	06/01/2000	PROFILE	210.00	210.00	14.00	24.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G105DOA	MW-105	06/06/2000	PROFILE	270.00	270.00	14.00	24.00	8330N	PICRIC ACID	NO
G105DPA	MW-105	06/07/2000	PROFILE	280.00	280.00	14.00	24.00	8330N	PICRIC ACID	NO
G105DQA	MW-105	06/07/2000	PROFILE	290.00	290.00	14.00	24.00	8330N	PICRIC ACID	NO
G105DUA	MW-105	06/08/2000	PROFILE	335.00	335.00	14.00	24.00	8330N	2,6-DINITROTOLUENE	NO
G105DUA	MW-105	06/08/2000	PROFILE	335.00	335.00	14.00	24.00	8330N	PICRIC ACID	NO

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TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 5/16/00-06/30/00

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G106DEA	MW-106	06/01/2000	PROFILE	180.00	180.00	14.00	24.00	8330N	2,6-DINITROTOLUENE	NO
G106DEA	MW-106	06/01/2000	PROFILE	180.00	180.00	14.00	24.00	8330N	3-NITROTOLUENE	NO
G106DEA	MW-106	06/01/2000	PROFILE	180.00	180.00	14.00	24.00	8330N	4-NITROTOLUENE	NO
G106DEA	MW-106	06/01/2000	PROFILE	180.00	180.00	14.00	24.00	8330N	PENTAERYTHRITOL TETRANITR	NO
G106DEA	MW-106	06/01/2000	PROFILE	180.00	180.00	14.00	24.00	8330N	PICRIC ACID	NO
G106DFA	MW-106	06/01/2000	PROFILE	190.00	190.00	14.00	24.00	8330N	PENTAERYTHRITOL TETRANITR	NO
G106DFA	MW-106	06/01/2000	PROFILE	190.00	190.00	14.00	24.00	8330N	PICRIC ACID	NO
G106DGA	MW-106	06/01/2000	PROFILE	200.00	200.00	14.00	24.00	8330N	2,6-DINITROTOLUENE	NO
G106DGA	MW-106	06/01/2000	PROFILE	200.00	200.00	14.00	24.00	8330N	PENTAERYTHRITOL TETRANITR	NO
G106DGA	MW-106	06/01/2000	PROFILE	200.00	200.00	14.00	24.00	8330N	PICRIC ACID	NO
G106DHA	MW-106	06/01/2000	PROFILE	210.00	210.00	14.00	24.00	8330N	PENTAERYTHRITOL TETRANITR	NO
G106DHA	MW-106	06/01/2000	PROFILE	210.00	210.00	14.00	24.00	8330N	PICRIC ACID	NO
G106DIA	MW-106	06/01/2000	PROFILE	220.00	220.00	14.00	24.00	8330N	PENTAERYTHRITOL TETRANITR	NO
G107DBA	MW-107	06/06/2000	PROFILE	130.00	130.00	14.00	24.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G107DBA	MW-107	06/06/2000	PROFILE	130.00	130.00	14.00	24.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G107DBD	MW-107	06/06/2000	PROFILE	130.00	130.00	14.00	24.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G107DBD	MW-107	06/06/2000	PROFILE	130.00	130.00	14.00	24.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G107DEA	MW-107	06/06/2000	PROFILE	160.00	160.00	14.00	24.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G107DEA	MW-107	06/06/2000	PROFILE	160.00	160.00	14.00	24.00	8330N	NITROGLYCERIN	YES
G107DED	MW-107	06/06/2000	PROFILE	160.00	160.00	14.00	24.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G107DFA	MW-107	06/06/2000	PROFILE	170.00	170.00	14.00	24.00	8330N	PENTAERYTHRITOL TETRANITR	NO
G107DIA	MW-107	06/06/2000	PROFILE	200.00	200.00	14.00	24.00	8330N	PENTAERYTHRITOL TETRANITR	NO
G108DAA	MW-108	06/23/2000	PROFILE	170.00	170.00	14.00	24.00	8330N	2,6-DINITROTOLUENE	NO
G108DCA	MW-108	06/26/2000	PROFILE	190.00	190.00	14.00	24.00	8330N	PICRIC ACID	NO
G108DGA	MW-108	06/26/2000	PROFILE	230.00	230.00	14.00	24.00	8330N	2,6-DINITROTOLUENE	NO
G108DGA	MW-108	06/26/2000	PROFILE	230.00	230.00	14.00	24.00	8330N	PICRIC ACID	NO
G108DHA	MW-108	06/27/2000	PROFILE	240.00	240.00	14.00	24.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G108DHA	MW-108	06/27/2000	PROFILE	240.00	240.00	14.00	24.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G108DIA	MW-108	06/27/2000	PROFILE	250.00	250.00	14.00	24.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G108DIA	MW-108	06/27/2000	PROFILE	250.00	250.00	14.00	24.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G108DID	MW-108	06/27/2000	PROFILE	250.00	250.00	14.00	24.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G108DID	MW-108	06/27/2000	PROFILE	250.00	250.00	14.00	24.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G108DKA	MW-108	06/27/2000	PROFILE	270.00	270.00	14.00	24.00	8330N	3-NITROTOLUENE	NO

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(UNVALIDATED)
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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G108DKA	MW-108	06/27/2000	PROFILE	270.00	270.00	14.00	24.00	8330N	4-NITROTOLUENE	NO
G108DKA	MW-108	06/27/2000	PROFILE	270.00	270.00	14.00	24.00	8330N	PICRIC ACID	NO
G108DMA	MW-108	06/28/2000	PROFILE	290.00	290.00	14.00	24.00	8330N	2,6-DINITROTOLUENE	NO
G108DMA	MW-108	06/28/2000	PROFILE	290.00	290.00	14.00	24.00	8330N	PICRIC ACID	NO
G108DNA	MW-108	06/29/2000	PROFILE	300.00	300.00	14.00	24.00	8330N	PICRIC ACID	NO
G108DOA	MW-108	06/29/2000	PROFILE	310.00	310.00	14.00	24.00	8330N	PICRIC ACID	NO
G108DPA	MW-108	06/29/2000	PROFILE	320.00	320.00	14.00	24.00	8330N	2,6-DINITROTOLUENE	NO
G108DPA	MW-108	06/29/2000	PROFILE	320.00	320.00	14.00	24.00	8330N	NITROGLYCERIN	NO
G108DPA	MW-108	06/29/2000	PROFILE	320.00	320.00	14.00	24.00	8330N	PICRIC ACID	NO
G108DQA	MW-108	06/29/2000	PROFILE	330.00	330.00	14.00	24.00	8330N	2,6-DINITROTOLUENE	NO
G108DQA	MW-108	06/29/2000	PROFILE	330.00	330.00	14.00	24.00	8330N	4-NITROTOLUENE	NO
G108DQA	MW-108	06/29/2000	PROFILE	330.00	330.00	14.00	24.00	8330N	NITROGLYCERIN	NO
G108DQA	MW-108	06/29/2000	PROFILE	330.00	330.00	14.00	24.00	8330N	PICRIC ACID	NO
G108DQD	MW-108	06/30/2000	PROFILE	330.00	330.00	14.00	24.00	8330N	2,6-DINITROTOLUENE	NO
G108DQD	MW-108	06/30/2000	PROFILE	330.00	330.00	14.00	24.00	8330N	4-NITROTOLUENE	NO
G108DQD	MW-108	06/30/2000	PROFILE	330.00	330.00	14.00	24.00	8330N	NITROGLYCERIN	NO
G108DQD	MW-108	06/30/2000	PROFILE	330.00	330.00	14.00	24.00	8330N	PICRIC ACID	NO
G109DAA	MW-109	06/15/2000	PROFILE	95.00	95.00	14.00	24.00	8330N	PICRIC ACID	NO
G109DAA	MW-109	06/15/2000	PROFILE	95.00	95.00	14.00	24.00	OC21V	ACETONE	
G109DAA	MW-109	06/15/2000	PROFILE	95.00	95.00	14.00	24.00	OC21V	CHLOROETHANE	
G109DAA	MW-109	06/15/2000	PROFILE	95.00	95.00	14.00	24.00	OC21V	METHYL ETHYL KETONE (2-BUT	
G109DBA	MW-109	06/15/2000	PROFILE	100.00	100.00	14.00	24.00	8330N	3-NITROTOLUENE	NO
G109DBA	MW-109	06/15/2000	PROFILE	100.00	100.00	14.00	24.00	OC21V	ACETONE	
G109DBA	MW-109	06/15/2000	PROFILE	100.00	100.00	14.00	24.00	OC21V	METHYL ETHYL KETONE (2-BUT	
G109DBD	MW-109	06/15/2000	PROFILE	100.00	100.00	14.00	24.00	OC21V	ACETONE	
G109DBD	MW-109	06/15/2000	PROFILE	100.00	100.00	14.00	24.00	OC21V	METHYL ETHYL KETONE (2-BUT	
G109DCA	MW-109	06/15/2000	PROFILE	110.00	110.00	14.00	24.00	OC21V	ACETONE	
G109DCA	MW-109	06/15/2000	PROFILE	110.00	110.00	14.00	24.00	OC21V	METHYL ETHYL KETONE (2-BUT	
G109DDA	MW-109	06/15/2000	PROFILE	120.00	120.00	14.00	24.00	8330N	3-NITROTOLUENE	NO
G109DDA	MW-109	06/15/2000	PROFILE	120.00	120.00	14.00	24.00	OC21V	ACETONE	
G109DDA	MW-109	06/15/2000	PROFILE	120.00	120.00	14.00	24.00	OC21V	CHLOROFORM	
G109DDA	MW-109	06/15/2000	PROFILE	120.00	120.00	14.00	24.00	OC21V	METHYL ETHYL KETONE (2-BUT	
G109DDD	MW-109	06/15/2000	PROFILE	120.00	120.00	14.00	24.00	8330N	3-NITROTOLUENE	NO

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G109DDD	MW-109	06/15/2000	PROFILE	120.00	120.00	14.00	24.00	8330N	PENTAERYTHRITOL TETRANITR	NO
G109DDD	MW-109	06/15/2000	PROFILE	120.00	120.00	14.00	24.00	OC21V	ACETONE	
G109DDD	MW-109	06/15/2000	PROFILE	120.00	120.00	14.00	24.00	OC21V	CHLOROFORM	
G109DDD	MW-109	06/15/2000	PROFILE	120.00	120.00	14.00	24.00	OC21V	METHYL ETHYL KETONE (2-BUT	
G109DEA	MW-109	06/15/2000	PROFILE	130.00	130.00	14.00	24.00	8330N	3-NITROTOLUENE	NO
G109DEA	MW-109	06/15/2000	PROFILE	130.00	130.00	14.00	24.00	OC21V	ACETONE	
G109DEA	MW-109	06/15/2000	PROFILE	130.00	130.00	14.00	24.00	OC21V	CHLOROFORM	
G109DEA	MW-109	06/15/2000	PROFILE	130.00	130.00	14.00	24.00	OC21V	METHYL ETHYL KETONE (2-BUT	
G109DFA	MW-109	06/15/2000	PROFILE	140.00	140.00	14.00	24.00	8330N	3-NITROTOLUENE	NO
G109DFA	MW-109	06/15/2000	PROFILE	140.00	140.00	14.00	24.00	OC21V	ACETONE	
G109DFA	MW-109	06/15/2000	PROFILE	140.00	140.00	14.00	24.00	OC21V	CHLOROFORM	
G109DFA	MW-109	06/15/2000	PROFILE	140.00	140.00	14.00	24.00	OC21V	METHYL ETHYL KETONE (2-BUT	
G109DGA	MW-109	06/15/2000	PROFILE	150.00	150.00	14.00	24.00	8330N	3-NITROTOLUENE	NO
G109DGA	MW-109	06/15/2000	PROFILE	150.00	150.00	14.00	24.00	OC21V	ACETONE	
G109DGA	MW-109	06/15/2000	PROFILE	150.00	150.00	14.00	24.00	OC21V	CHLOROFORM	
G109DGA	MW-109	06/15/2000	PROFILE	150.00	150.00	14.00	24.00	OC21V	METHYL ETHYL KETONE (2-BUT	
G110DAA	MW-110	06/28/2000	PROFILE	180.00	180.00	4.50	4.50	8330N	PICRIC ACID	NO
G110DBA	MW-110	06/28/2000	PROFILE	190.00	190.00	14.50	14.50	8330N	NITROGLYCERIN	NO
G110DBA	MW-110	06/28/2000	PROFILE	190.00	190.00	14.50	14.50	8330N	PICRIC ACID	NO
G110DCA	MW-110	06/28/2000	PROFILE	200.00	200.00	24.50	24.50	8330N	NITROGLYCERIN	NO
G110DDA	MW-110	06/28/2000	PROFILE	210.00	210.00	34.50	34.50	8330N	NITROGLYCERIN	NO
G110DDA	MW-110	06/28/2000	PROFILE	210.00	210.00	34.50	34.50	8330N	PICRIC ACID	NO
G110DGA	MW-110	06/29/2000	PROFILE	240.00	240.00	64.50	64.50	8330N	NITROGLYCERIN	NO
G110DGA	MW-110	06/29/2000	PROFILE	240.00	240.00	64.50	64.50	8330N	PICRIC ACID	NO
G110DHA	MW-110	06/29/2000	PROFILE	250.00	250.00	74.50	74.50	8330N	NITROGLYCERIN	NO
G110DIA	MW-110	06/29/2000	PROFILE	260.00	260.00	84.50	84.50	8330N	NITROGLYCERIN	NO
G110DIA	MW-110	06/29/2000	PROFILE	260.00	260.00	84.50	84.50	8330N	PENTAERYTHRITOL TETRANITR	NO
G110DIA	MW-110	06/29/2000	PROFILE	260.00	260.00	84.50	84.50	8330N	PICRIC ACID	NO
G110DJD	MW-110	06/29/2000	PROFILE	270.00	270.00	94.50	94.50	8330N	PICRIC ACID	NO
G110DKA	MW-110	06/29/2000	PROFILE	280.00	280.00	104.50	104.50	8330N	PICRIC ACID	NO
G110DLA	MW-110	06/29/2000	PROFILE	290.00	290.00	114.50	114.50	8330N	PICRIC ACID	NO
G110DMA	MW-110	06/29/2000	PROFILE	300.00	300.00	124.50	124.50	8330N	NITROGLYCERIN	NO
G110DMA	MW-110	06/29/2000	PROFILE	300.00	300.00	124.50	124.50	8330N	PICRIC ACID	NO

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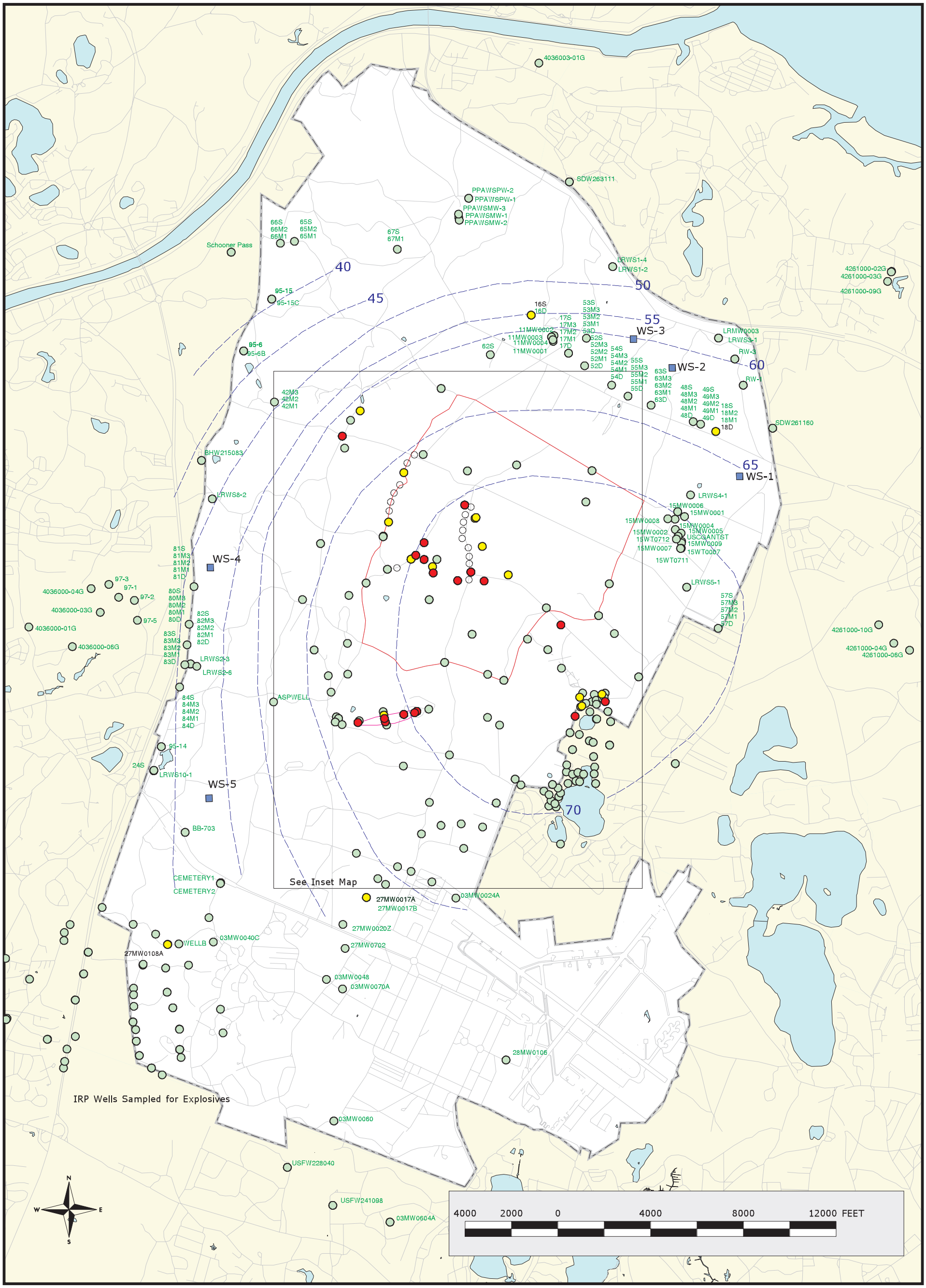
OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
DEMO2-C4-1	DEMO2-C4-1	06/13/2000	SOIL GRID	0.00	0.25			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
DEMO2-C4-1	DEMO2-C4-1	06/13/2000	SOIL GRID	0.00	0.25			8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
DEMO2-C4-2	DEMO2-C4-2	06/13/2000	SOIL GRID	0.00	0.25			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
DEMO2-C4-2	DEMO2-C4-2	06/13/2000	SOIL GRID	0.00	0.25			8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
DEMO2-C4-3	DEMO2-C4-3	06/13/2000	SOIL GRID	0.00	0.25			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
DEMO2-C4-4	DEMO2-C4-4	06/13/2000	SOIL GRID	0.00	0.25			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
DEMO2-C4-4	DEMO2-C4-4	06/13/2000	SOIL GRID	0.00	0.25			8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
DEMO2-C4-6	DEMO2-C4-6	06/13/2000	SOIL GRID	0.00	0.25			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
DEMO2-C4-6	DEMO2-C4-6	06/13/2000	SOIL GRID	0.00	0.25			8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
HCJ1KPAAA	HCJ1KPAAA	06/15/2000	SOIL GRID	0.00	0.25			8330N	1,3,5-TRINITROBENZENE	YES
HCJ1KPAAA	HCJ1KPAAA	06/15/2000	SOIL GRID	0.00	0.25			8330N	1,3-DINITROBENZENE	NO
HCJ1KPAAA	HCJ1KPAAA	06/15/2000	SOIL GRID	0.00	0.25			8330N	2,4,6-TRINITROTOLUENE	YES
HCJ1KPAAA	HCJ1KPAAA	06/15/2000	SOIL GRID	0.00	0.25			8330N	2,4-DINITROTOLUENE	YES
HCJ1KPAAA	HCJ1KPAAA	06/15/2000	SOIL GRID	0.00	0.25			8330N	2,6-DINITROTOLUENE	YES
HCJ1KPAAA	HCJ1KPAAA	06/15/2000	SOIL GRID	0.00	0.25			8330N	2-AMINO-4,6-DINITROTOLUENE	YES
HCJ1KPAAA	HCJ1KPAAA	06/15/2000	SOIL GRID	0.00	0.25			8330N	2-NITROTOLUENE	NO
HCJ1KPAAA	HCJ1KPAAA	06/15/2000	SOIL GRID	0.00	0.25			8330N	4-AMINO-2,6-DINITROTOLUENE	NO
HCJ1KPAAA	HCJ1KPAAA	06/15/2000	SOIL GRID	0.00	0.25			8330N	4-NITROTOLUENE	NO
HCJ1KPAAA	HCJ1KPAAA	06/15/2000	SOIL GRID	0.00	0.25			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
HCJ1KPAAA	HCJ1KPAAA	06/15/2000	SOIL GRID	0.00	0.25			8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
HCJ1KPAAA	HCJ1KPAAA	06/15/2000	SOIL GRID	0.00	0.25			8330N	PICRIC ACID	YES
HDD114AAA	114A	06/06/2000	SOIL GRID	0.00	0.25			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
HDD114AAA	114A	06/06/2000	SOIL GRID	0.00	0.25			8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
HDD115AAA	115A	06/06/2000	SOIL GRID	0.00	0.25			8330N	2-AMINO-4,6-DINITROTOLUENE	YES
HDD115AAA	115A	06/06/2000	SOIL GRID	0.00	0.25			8330N	4-AMINO-2,6-DINITROTOLUENE	YES
HDD115AAA	115A	06/06/2000	SOIL GRID	0.00	0.25			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
HDD116AAA	116A	06/06/2000	SOIL GRID	0.00	0.25			8330N	2-AMINO-4,6-DINITROTOLUENE	YES
HDD116AAA	116A	06/06/2000	SOIL GRID	0.00	0.25			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
HDD116AAA	116A	06/06/2000	SOIL GRID	0.00	0.25			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



LEGEND

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

Sources & Notes

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

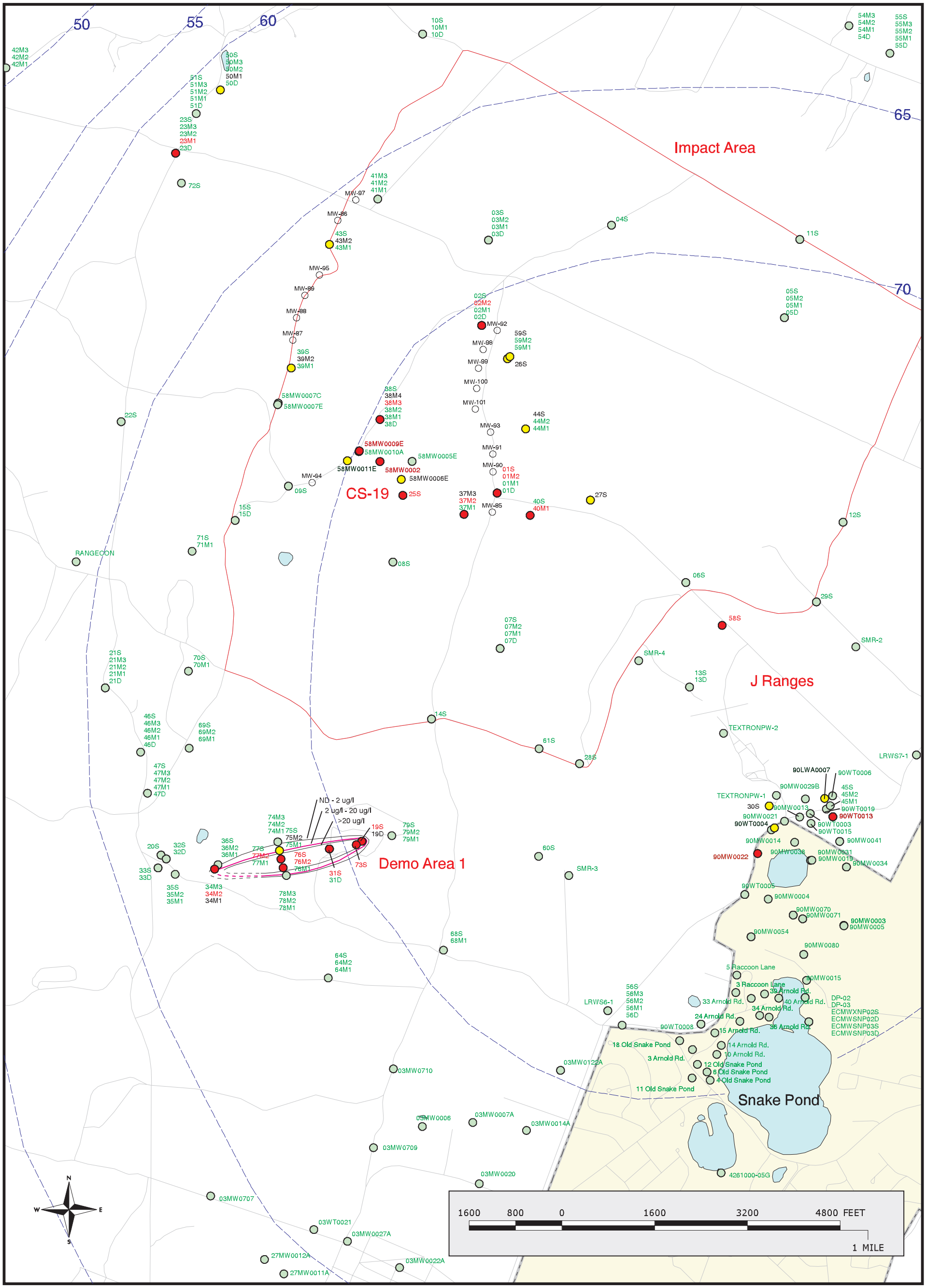
OGDEN July 10, 2000 DRAFT

g:/MMR/al/amls/work/monthly/july2000/exp

Figure 1

Explosives in Groundwater Compared to MCL/HAs Validated Data as of 7/02/00

Analyte Group
1



LEGEND

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

Sources & Notes

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

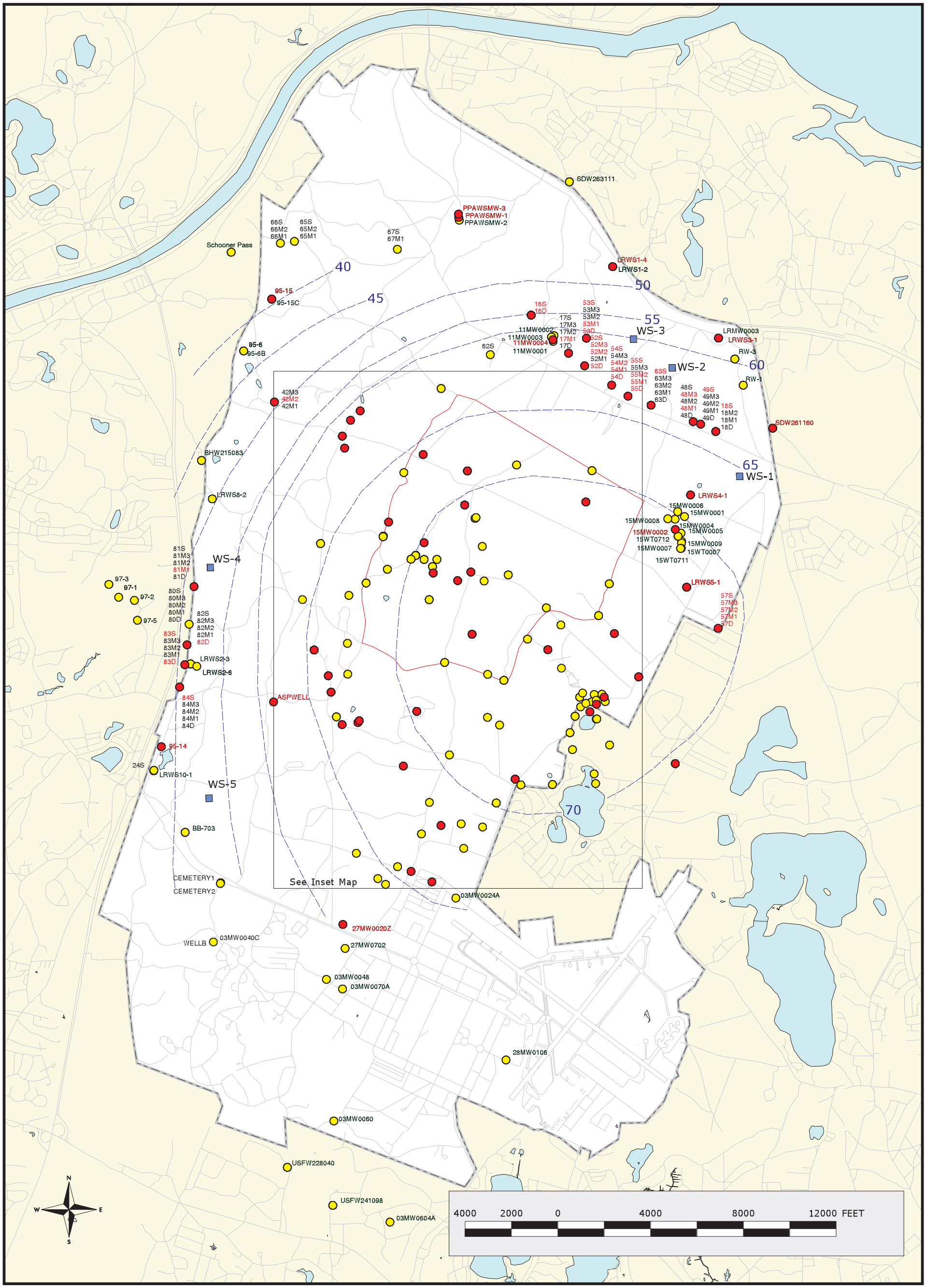
OGDEN July 07, 2000 DRAFT

g:/MMR/al/amls/work/monthly/july2000/exp

Figure 1 - INSET MAP

Explosives in Groundwater Compared to MCL/HAs Validated Data as of 7/02/00

Analyte Group
1



LEGEND

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

Sources & Notes

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

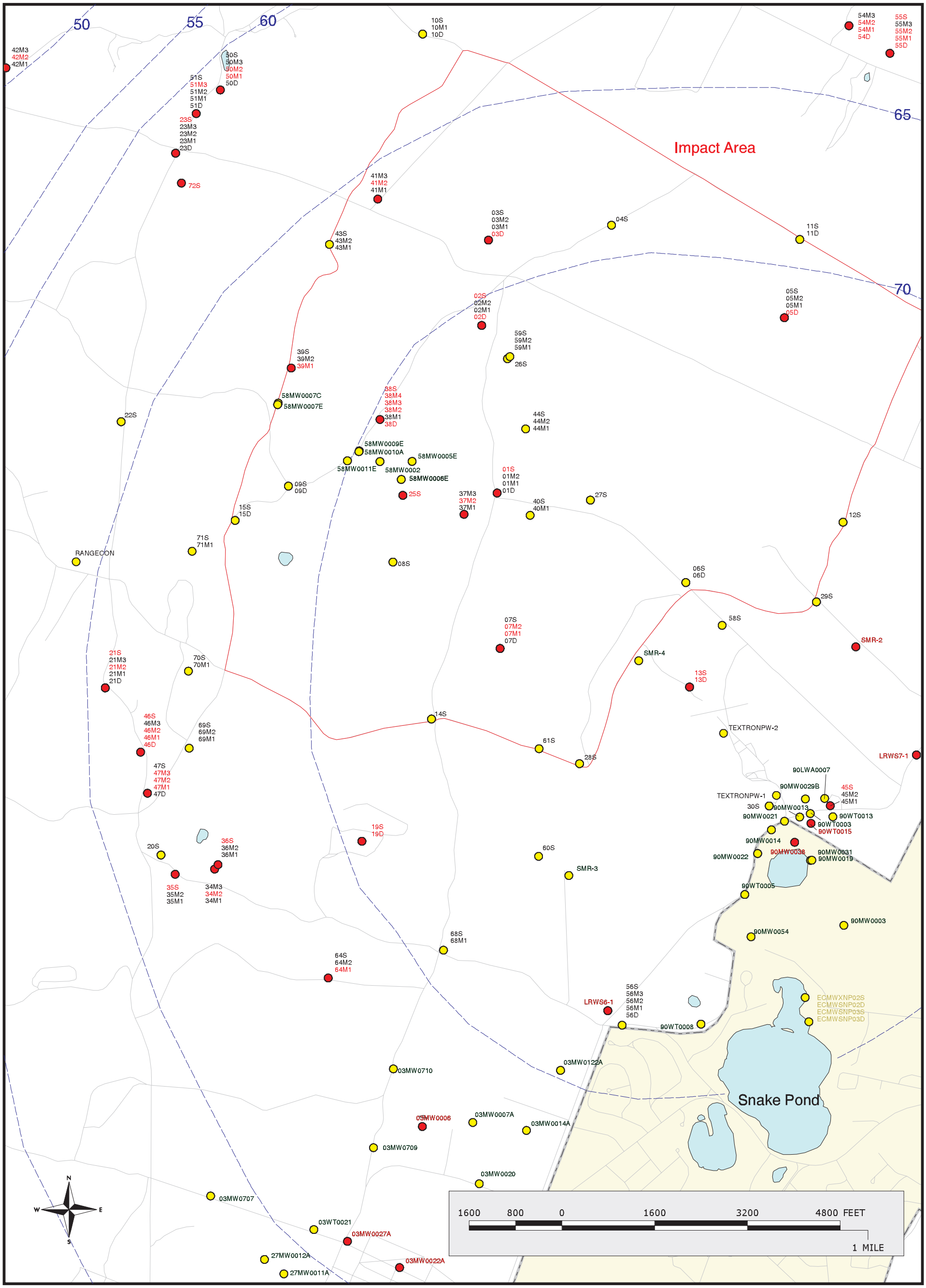
OGDEN July 10, 2000 DRAFT

Figure 2

Metals in Groundwater Compared to MCL/HAs Validated Data as of 7/02/00

Analyte Group
2

g:/MMR/al/amls/work/monthly/july2000/metals



LEGEND

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

Sources & Notes

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

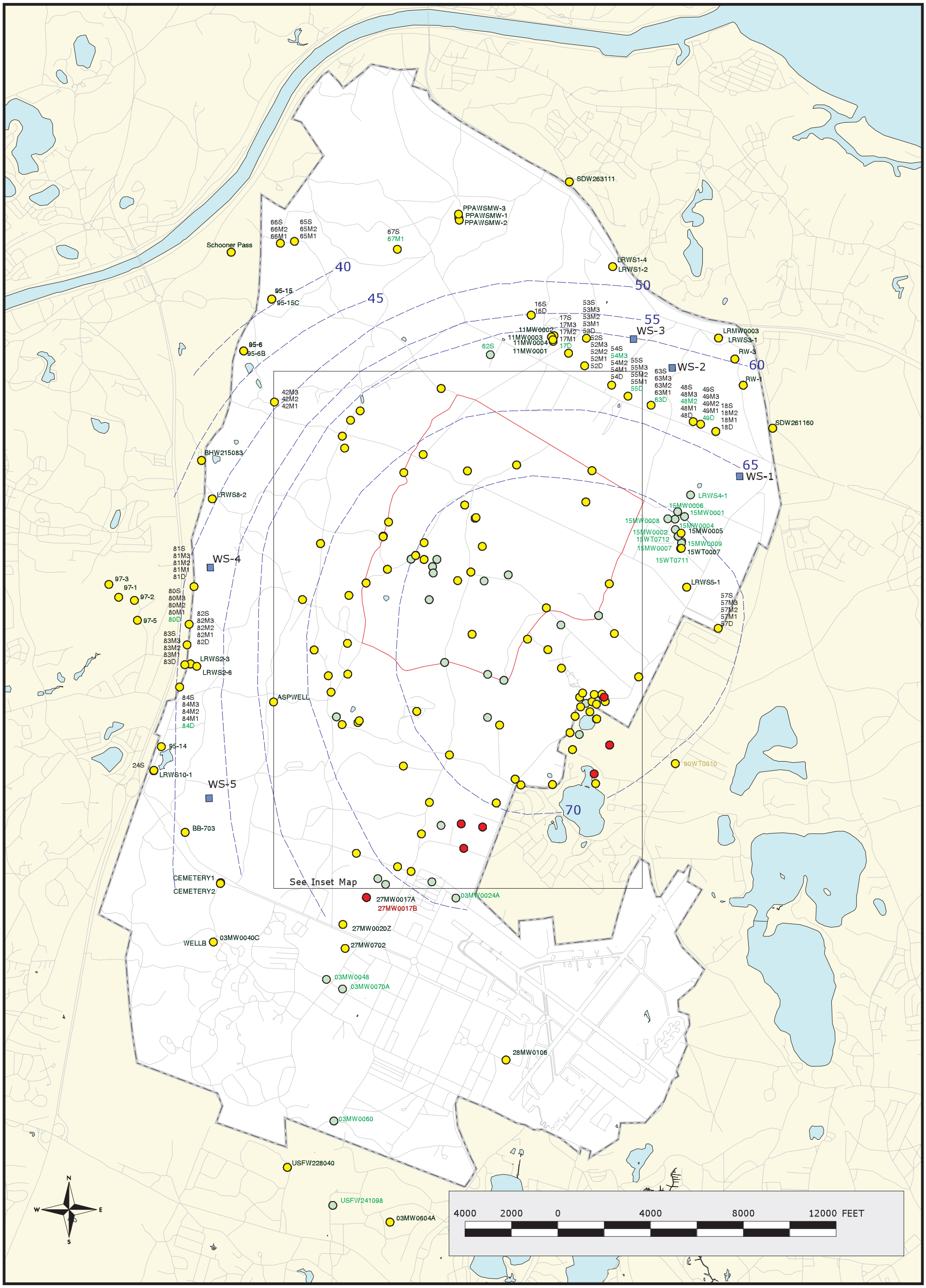
OGDEN July 10, 2000 DRAFT

Figure 2 - INSET MAP

Metals in Groundwater Compared to MCL/HAs Validated Data as of 7/02/00

Analyte Group
2

g:/MMR/al/amls/work/monthly/july2000/metals



LEGEND

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

Sources & Notes

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

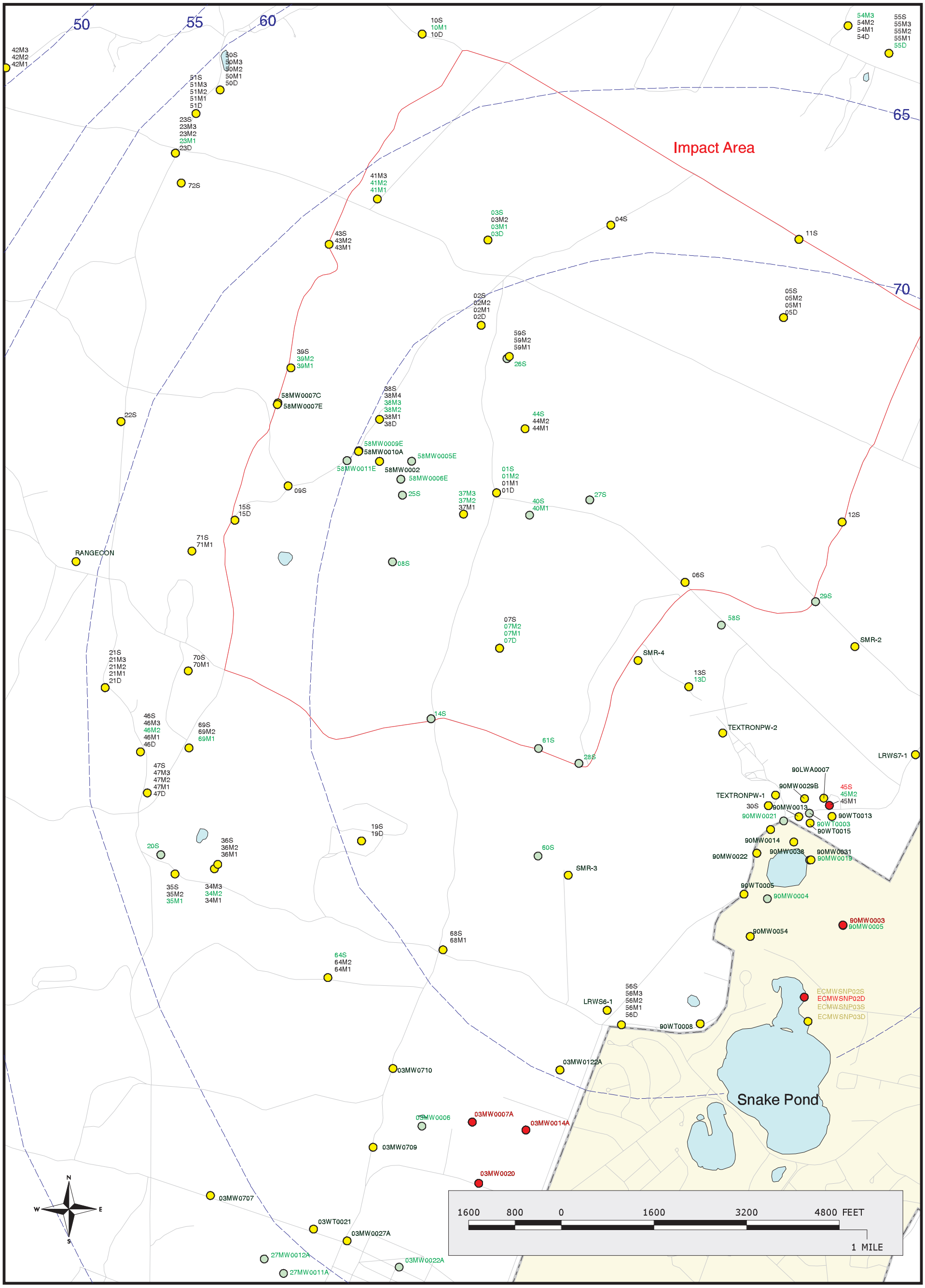
OGDEN July 10, 2000 DRAFT

g:/MMR/al/amls/work/monthly/july2000/voc

Figure 3

VOCs in Groundwater Compared to MCL/HAs Validated Data as of 7/02/00

Analyte Group
3



LEGEND

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

Sources & Notes

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

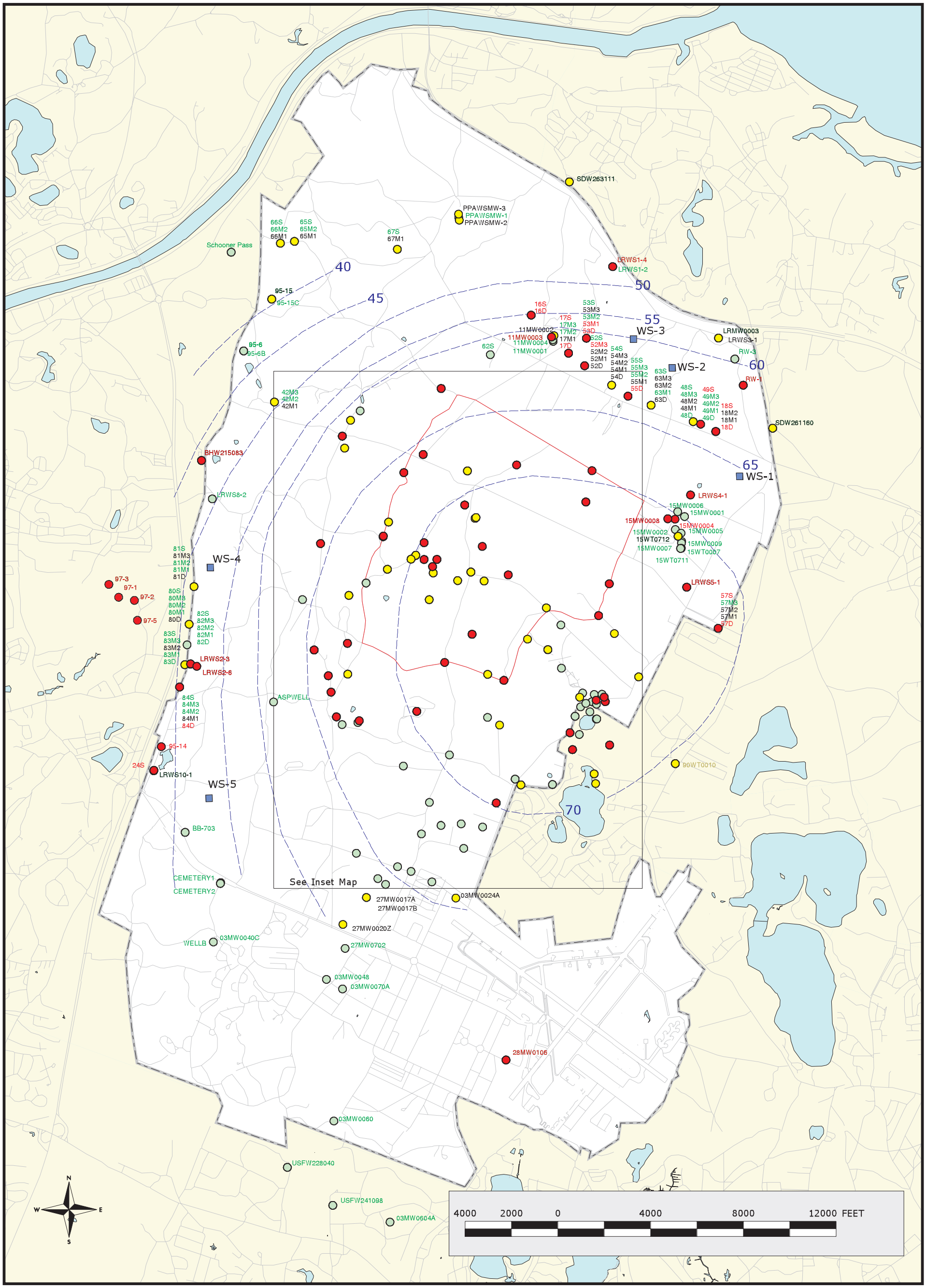
OGDEN July 10, 2000 DRAFT

Figure 3 - INSET MAP

VOCs in Groundwater Compared to MCL/HAs Validated Data as of 7/02/00

Analyte Group
3

g:/MMR/al/amls/work/monthly/july2000/voc



LEGEND

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

Sources & Notes

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

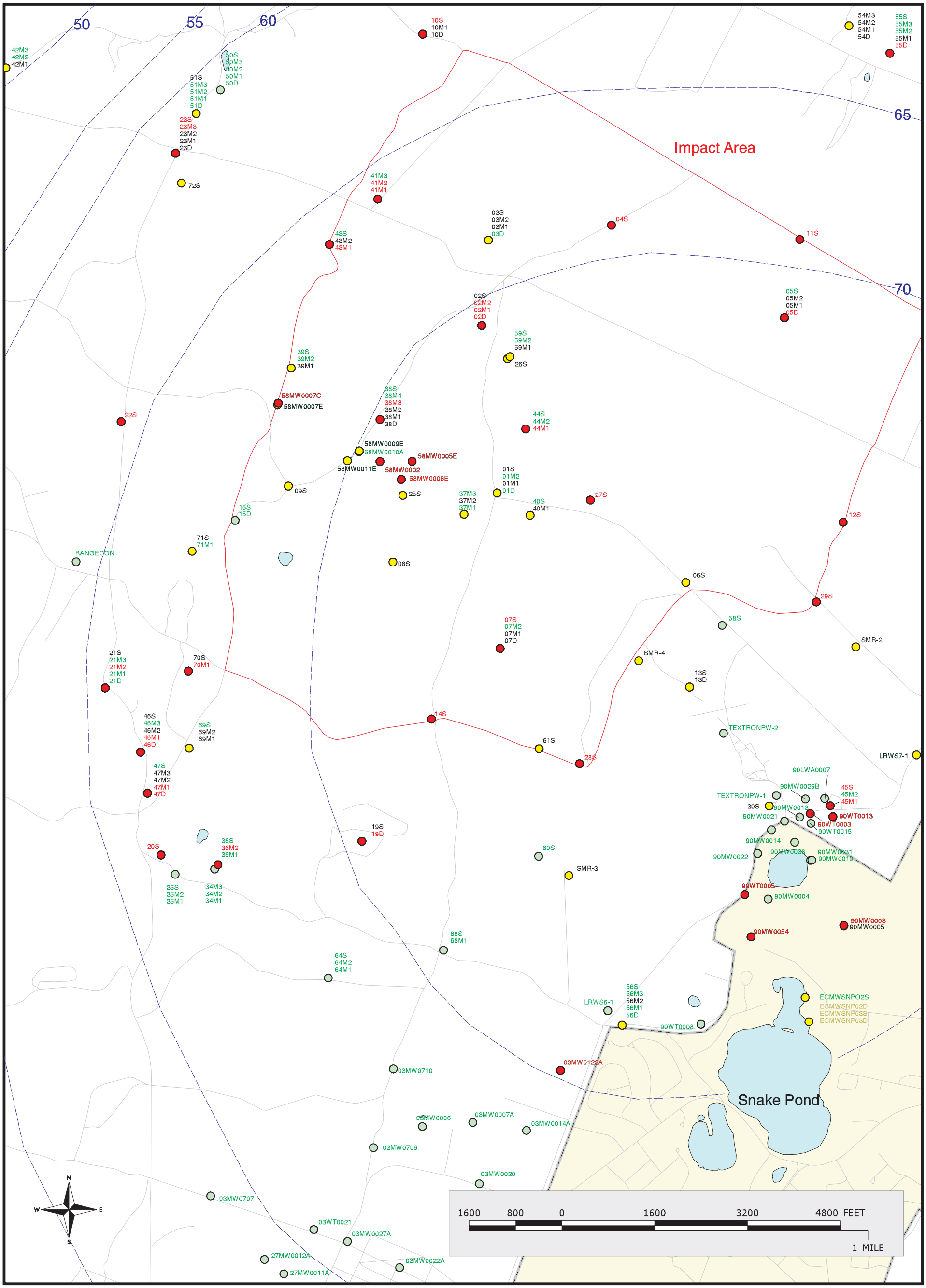
OGDEN July 10, 2000 DRAFT

g:/MMR/al/amls/work/monthly/july2000/svoc

Figure 4

SVOCs in Groundwater Compared to MCL/HAs Validated Data as of 7/02/00

Analyte Group
4



LEGEND

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

Sources & Notes

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

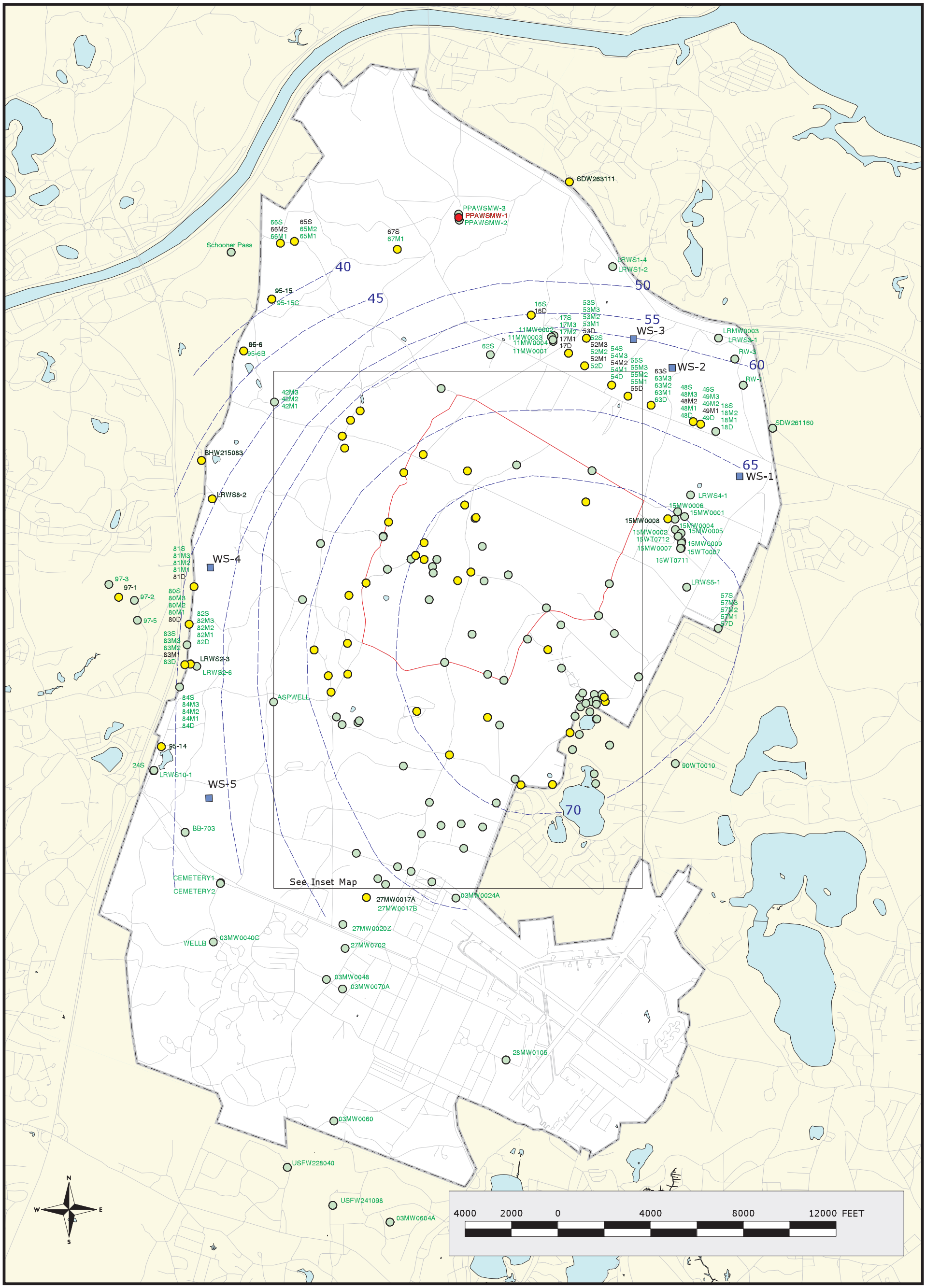
OGDEN July 10, 2000 DRAFT

Figure 4 - INSET MAP

SVOCs in Groundwater Compared to MCL/HAs Validated Data as of 7/02/00

Analyte Group
4

g:/MMR/al/amls/work/monthly/july2000/svoc



LEGEND

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

Sources & Notes

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

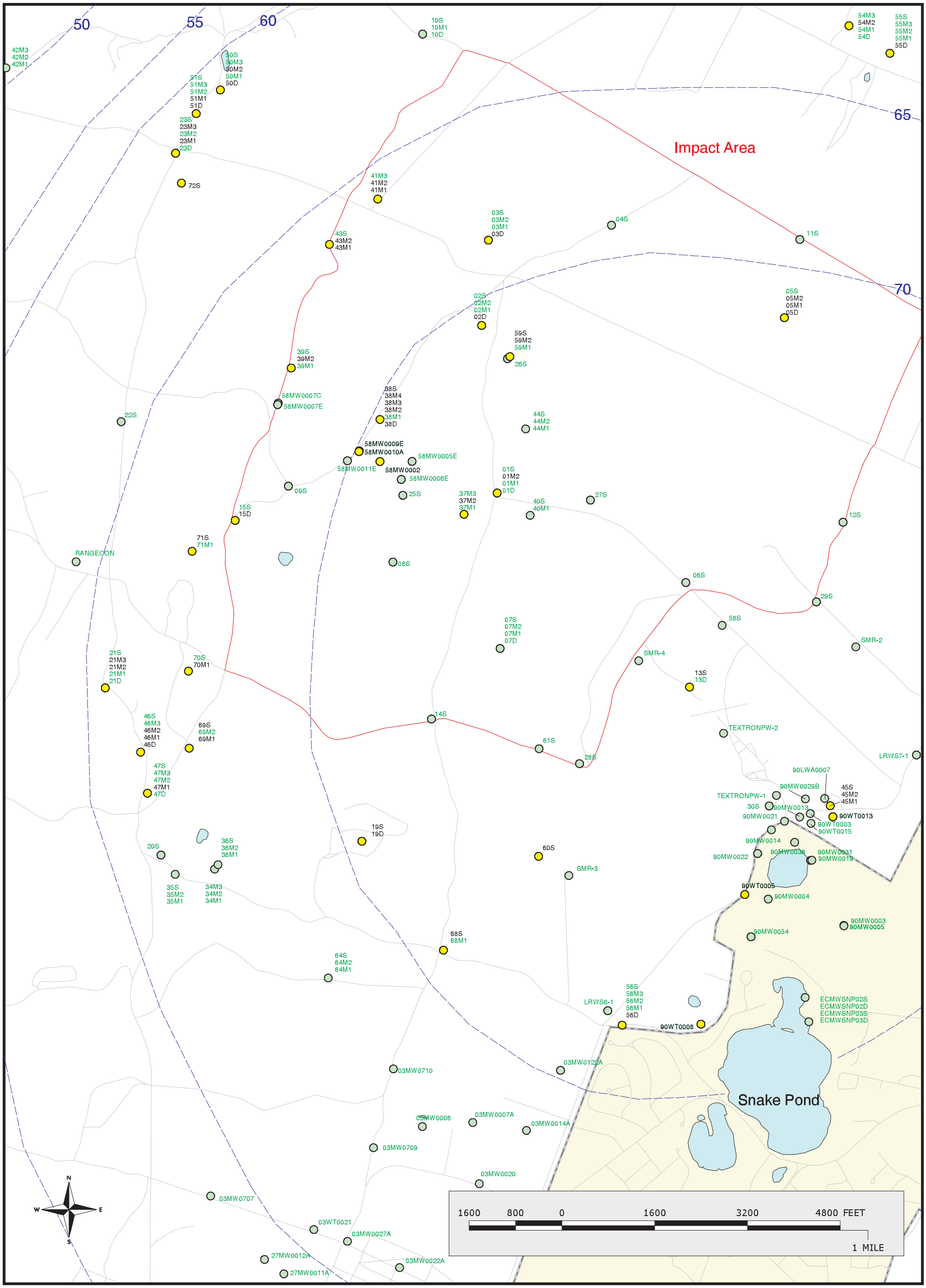
OGDEN July 10, 2000 DRAFT

Figure 5

Herbicides and Pesticides in Groundwater Compared to MCL/HAs Validated Data as of 7/02/00

Analyte Group
5

g:/MMR/al/amls/work/monthly/july2000/pest



LEGEND

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

Sources & Notes

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

OGDEN July 10, 2000 DRAFT

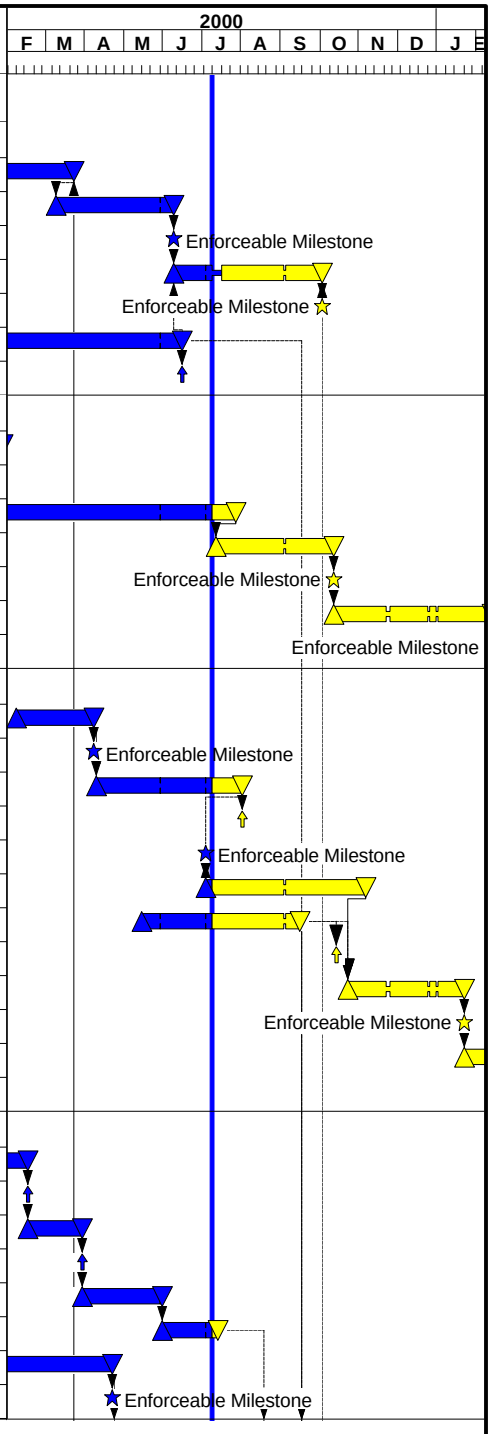
Figure 5 - INSET MAP

Herbicides and Pesticides in Groundwater Compared to MCL/HAs Validated Data as of 7/02/00

Analyte Group
5

g:/MMR/al/amls/work/monthly/july2000/pest

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Site Characterization (AO1)					
Demo Area 1					
00110	Demo 1 Soil/GW Investigation		0	14OCT99A	23MAR00A
00120	Demo 1 Soil/GW Report Preparation		0	09MAR00A	08JUN00A
00130	Demo 1 Draft Soil/GW Report	YES	0		08JUN00A
00140	Demo 1 Revise Draft Report		55	09JUN00A	02OCT00
00150	Demo 1 Final Soil/GW Report	YES	0		02OCT00
00160	Demo 1 Geophysics Investigation		0	05JAN00A	15JUN00A
00170	Demo 1 Geophysics Presentation		0		15JUN00A
Central Impact Area					
00210	Impact Area Planning		0	23AUG99A	24JAN00A
00220	Impact Area Start Data Collection	YES	0	05JAN00A	
00230	Impact Area Investigation		14	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		17	10APR00A	01AUG00
00340	J-2 Range Final Workplan		0		01AUG00
00350	J-2 Range Start Data Collection	YES	0	05JUL00A	
00360	J-2 Range Investigation		85	05JUL00A	06NOV00
00365	J-2 Range Geophysics Investigation		49	15MAY00A	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		0	30MAR00A	30MAY00A
00405	Review RP Results & Plan Follow-up		4	31MAY00A	13JUL00
00410	J-1/J-3 Range Planning		0	06DEC99A	21APR00A
00420	J-1/J-3 Range Draft Workplan	YES	0		21APR00A



Project Start 29FEB00
Project Finish 08JAN03
Data Date 10JUL00
Run Date 10JUL00

Early Bar
Progress Bar

UBER

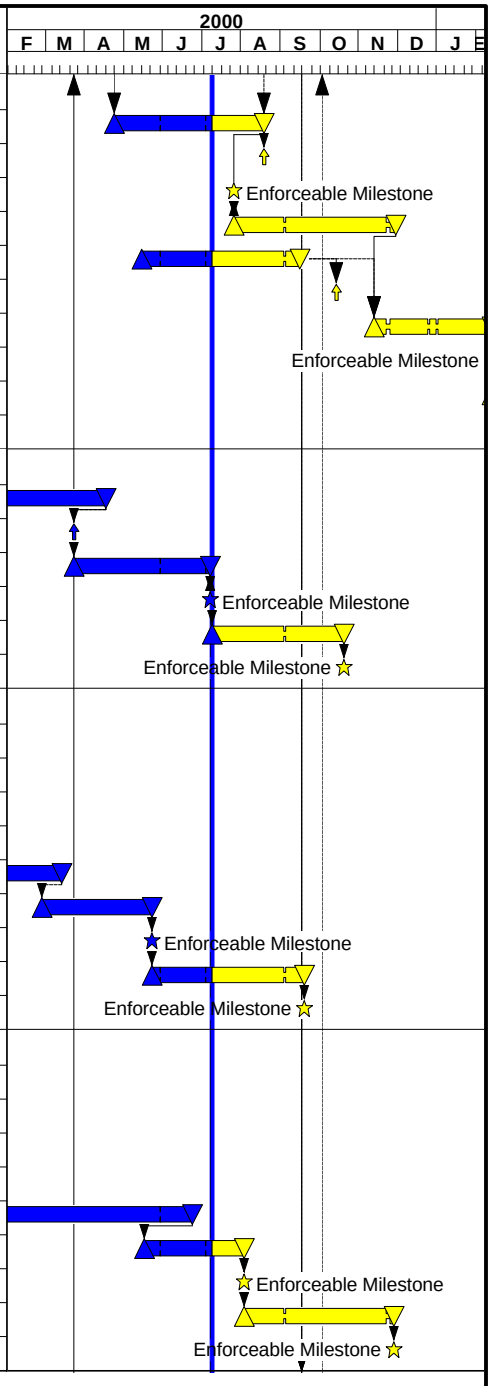
Sheet 1 of 5

DRAFT

Date	Revision	Checked	Approved

Figure 6. Combined Schedule for MMR IAGS, Munitions Survey, and RRA as of 7/10/00

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
J-1/J-3 Range					
00430	J-1/J-3 Range Rev. Draft Workplan		30	24APR00A	18AUG00
00440	J-1/J-3 Range Final Workplan		0		18AUG00
00450	J-1/J-3 Range Start Data Cllctn	YES	0	26JUL00	
00460	J-1/J-3 Range Investigation		88	26JUL00	29NOV00
00465	J-1/J-3 Range Geophys. Investigation		49	15MAY00A	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		0	30AUG99A	17APR00A
00515	Gun/Mortar Geophys. Presentation		0		23MAR00A
00520	Gun/Mortar Report Preparation		0	24MAR00A	07JUL00A
00530	Gun/Mortar Draft Report	YES	0		07JUL00A
00540	Gun/Mortar Rev. Draft Report		73	10JUL00A	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		0	28FEB00A	23MAY00A
00670	Trenches Draft Report	YES	0		23MAY00A
00680	Trenches Revise Draft Report		50	24MAY00A	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		0	06DEC99A	23JUN00A
00760	Mortar Targets Report Preparation		18	18MAY00A	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



Project Start 29FEB00
Project Finish 08JAN03
Data Date 10JUL00
Run Date 10JUL00

Early Bar
Progress Bar

UBER

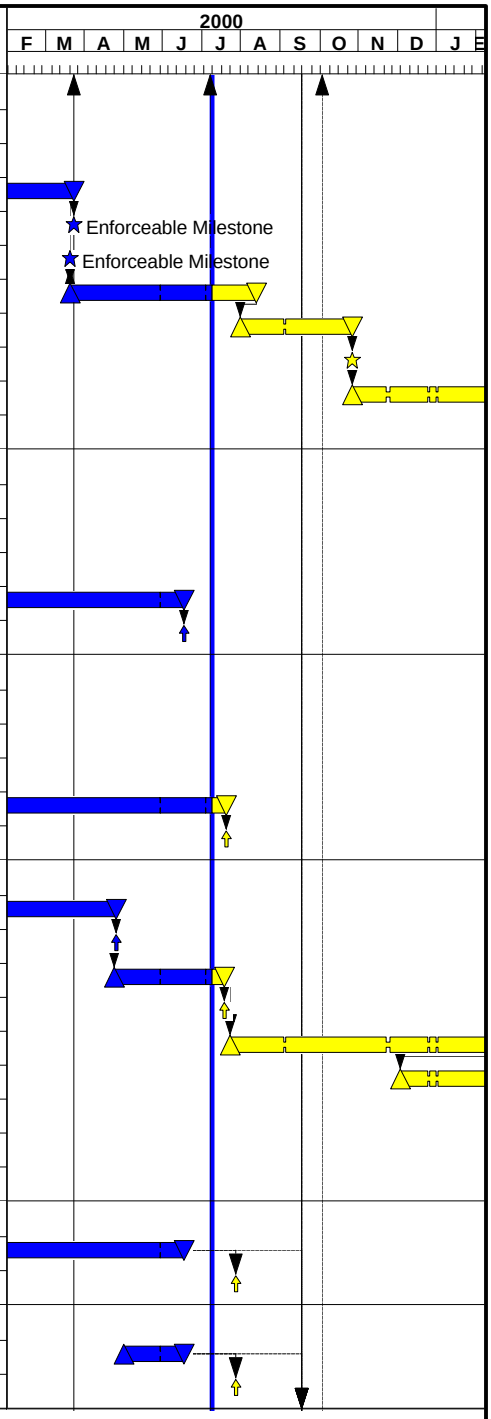
Sheet 2 of 5

DRAFT

Date	Revision	Checked	Approved

Figure 6. Combined Schedule for MMR IAGS, Munitions Survey, and RRA as of 7/10/00

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Training Areas					
00810	Training Areas Planning		0	01APR99A	22JUL99A
00820	Training Areas Draft Workplan		0		22JUL99A
00830	Training Areas Rev. Draft Workplan		0	23JUL99A	23MAR00A
00840	Training Areas Final Workplan	YES	0		23MAR00A
00850	Training Areas Start Data Cllctn	YES	0	20MAR00A	
00860	Training Areas Investigation		25	20MAR00A	11AUG00
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		0	04NOV99A	16JUN00A
00950	KD/U Final Report		0		16JUN00A
J-3 Wetland					
01010	J-3 Wetland Investigation		0	15APR99A	18MAY99A
01020	J-3 Wetland Report Preparation		0	13MAY99A	04NOV99A
01030	J-3 Wetland Draft Report		0		04NOV99A
01040	J-3 Wetland Revise Draft Report		9	05NOV99A	20JUL00
01050	J-3 Wetland Final Report		0		20JUL00
High Use Target Area 1					
01110	HUTA Planning		0	10JAN00A	24APR00A
01120	HUTA Draft Workplan		0		24APR00A
01130	HUTA Revise Draft Workplan		6	24APR00A	17JUL00
01140	HUTA Final Workplan		0		17JUL00
01160	HUTA Investigation		184	24JUL00	13APR01
01170	HUTA Report Preparation		117	04DEC00	18MAY01
01180	HUTA Draft Report	YES	0		18MAY01
01190	HUTA Revise Draft Report		50	21MAY01	31JUL01
01195	HUTA Final Report		0		31JUL01
Water Bodies					
01210	Water Body Geophys. Investig.		0	19NOV99A	16JUN00A
01220	Water Body Geophys. Present.		0		27JUL00*
Slit Trench					
01310	Slit Trench Geophys. Investig.		0	01MAY00A	16JUN00A
01320	Slit Trench Geophys. Present.		0		27JUL00*



Project Start 29FEB00
Project Finish 08JAN03
Data Date 10JUL00
Run Date 10JUL00

Early Bar
Progress Bar

UBER

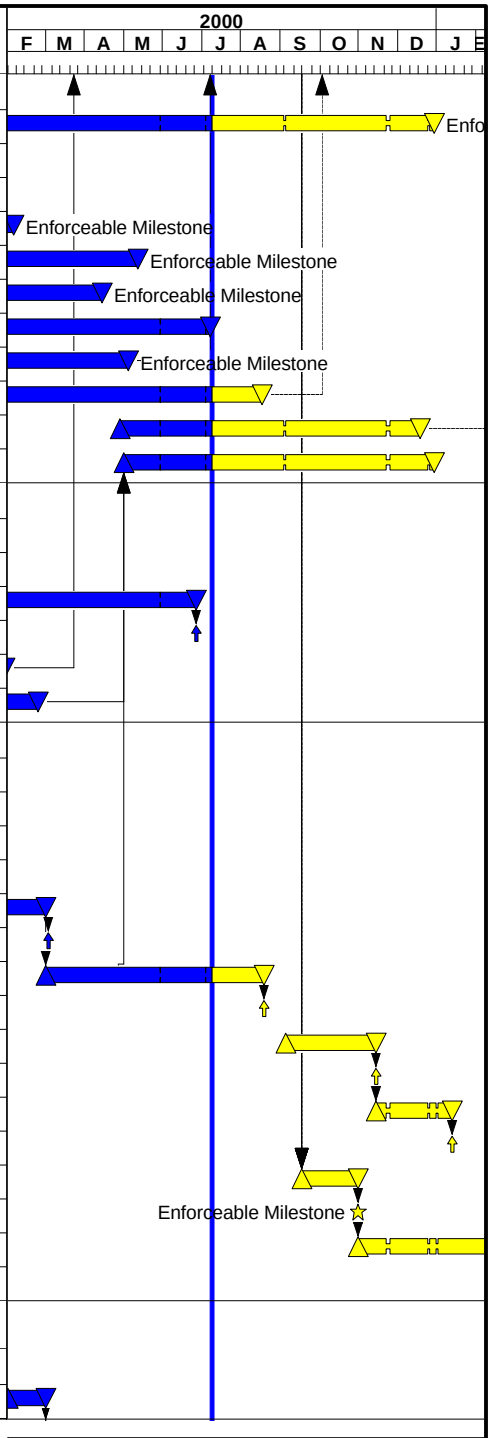
Sheet 3 of 5

DRAFT

Date	Revision	Checked	Approved

Figure 6. Combined Schedule for MMR IAGS, Munitions Survey, and RRA as of 7/10/00

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Groundwater Monitoring Programs					
08100	Water Supply (Qrtrly & Annual)	YES	121	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	0	30MAR99A	11MAY00A
08150	Far Field Group 2 Wells	YES	0	21SEP99A	14APR00A
08160	Far Field New Group 2 Wells		0	21OCT99A	07JUL00A
08170	Gun/Mortar Position Wells	YES	0	01NOV99A	04MAY00A
08180	Demo 1 1999 Response Wells		29	20JAN00A	17AUG00
08190	Impact Area 2000 Response Wells		113	28APR00A	18DEC00
08200	CY 2000 Interim LT Monitoring		121	02MAY00A	29DEC00
Analytical Methods					
08510	Draft PEP Report Preparation		0	05NOV98A	30NOV98A
08520	Draft PEP Report	YES	0		30NOV98A
08530	Revise Draft PEP Report		0	01DEC98A	26JUN00A
08540	Final PEP Report		0		26JUN00A
08560	Scoping Dioxin Method		0	01DEC99A	27JAN00A
08570	Scoping Perchlorate Method		0	06OCT99A	24FEB00A
Reports					
09160	Phase II Interim Results Preparation		0	01SEP99A	01NOV99A
09170	Phase II Interim Results Report		0		01NOV99A
09180	Background GW Report Prep		0	01NOV99A	10DEC99A
09190	Draft Background GW Report		0		10DEC99A
09200	Draft ILTGM Plan Preparation		0	06JAN00A	01MAR00A
09210	Draft ILTGM Plan		0		02MAR00A
09220	Revise Draft ILTGM Plan		30	02MAR00A	18AUG00
09230	Final ILTGM Plan		0		18AUG00
09240	Phase IIa Draft CWR Preparation		50	05SEP00*	13NOV00
09250	Phase IIa Draft CWR		0		13NOV00
09260	Phase IIa Revise Draft CWR		40	14NOV00	12JAN01
09270	Phase IIa Final CWR		0		12JAN01
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



Project Start 29FEB00
Project Finish 08JAN03
Data Date 10JUL00
Run Date 10JUL00

Early Bar
Progress Bar

UBER

Sheet 4 of 5

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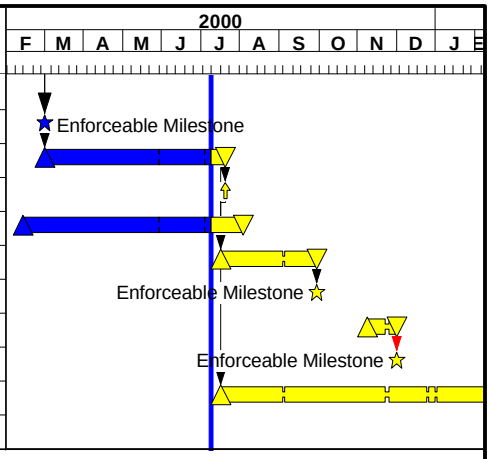
Date	Revision	Checked	Approved

Figure 6. Combined Schedule for MMR IAGS, Munitions Survey, and RRA as of 7/10/00

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Group 1 (KD, J-3, GP-16, APC)					
10120	Draft RRA Workplan	YES	0		01MAR00A
10130	Revise Draft RRA Workplan		8	02MAR00A	19JUL00
10140	Final RRA Workplan		0		19JUL00
10150	Pre-RRA Implementation		18	14FEB00A	02AUG00
10155	RRA Source Control		54	17JUL00	29SEP00
10160	RRA Source Control Complete	YES	0		29SEP00
10170	RRA Site Restoration		16	08NOV00*	01DEC00
10180	RRA Site Restoration Complete	YES	0		01DEC00
10190	RRA Innovative Treatment		156	17JUL00	27FEB01
10195	RRA Completion of Work Report		45	28FEB01	01MAY01



F M A M J J A S O N D J
2000

Project Start 29FEB00
Project Finish 08JAN03
Data Date 10JUL00
Run Date 10JUL00

Early Bar
Progress Bar

UBER

Sheet 5 of 5

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Figure 6. Combined Schedule for MMR IAGS, Munitions Survey, and RRA as of 7/10/00