MONTHLY PROGRESS REPORT #37
FOR APRIL 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 April 1 to April 30, 2000. Scheduled actions are for the six-week period ending June 16, 2000.

1. SUMMARY OF ACTIONS TAKEN

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

Table 1. Drilling progress for April 2000

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-93	Impact Area Response Well (P-6)	210	80	145-155 185-195
MW-94	Down gradient of Target 5 Well	230	105	124-134 140-150 160-170
MW-95	Impact Area Response (P-13)	230	103	125-135 167-177 202-212
MW-96	Impact Area Response Well (P10)	240	104	134-144 160-170 206-216
MW-97	Impact Area Response Well (P-11)	245	120	140-150 185-195 235-245
MW-98	Impact Area Response Well (P-2)	220	81	137-147 164-174
MW-99	Impact Area Response Well (P-3)	220	85	
MW-100	Impact Area Response Well (P-4)	52		
MW-101	Impact Area Response Well (P-5)	32		

bgs = below ground surface
bwt = below water table

Monitoring wells were completed at MW-93 (Impact Area response well P-6), MW-94 (down gradient of Target 5), MW-95 (Impact Area response well P-13), MW-96 (Impact Area response well P-10), MW-97 (Impact Area response well P-11), and MW-98 (Impact Area response well P-2). Drilling commenced on MW-99 (Impact Area response well P-3), MW-100 (Impact Area response well P-4), and MW-101 (Impact Area response well P-5). Well development continued for newly installed wells. UXO clearance continued on Impact Area response well pads, Mortar Target well pads, and the ground scars, bunkers, and trenches. Additional UXO were located at the P-18 and P-20 drilling pads. UXO located at Target 9, P-19, P-20, and the J-2 Range were detonated on 4/21/00.

Samples collected during the reporting period are summarized in Table 2. Soil samples were collected from the craters of the UXO detonated 4/21/00 at the Target 9 pad, P-20 pad, P-19 pad, and the J-Range.

Groundwater sampling was completed for the third round of Group 2 far field wells and Phase IIa wells. Groundwater sampling commenced for the third round of Gun and Mortar Position wells, the additional IRP wells in the FS-12 area, and Impact Area response wells. Groundwater profile samples were collected from MW-94 (Target 5 well), MW-95 (P-13), MW-96 (P-10), MW-97 (P-11), MW-98 (P-2), and MW-99 (P-3). Deep soil samples were collected during drilling at the boring for MW-95, MW-96, MW-96, MW-97, MW-98, MW-99, MW-100 (P-4), and MW-101 (P-5).

EPA convened a meeting of the Impact Area Review Team on April 5. Topics for the meeting included an IAGS Update, the Rapid Response Action Plan, the Public Participation Plan, JPO's Water Supply Program Modeling, and a Detonation Chamber Update. The next meeting was scheduled for May 17.

The Guard, EPA, and MADEP had a meeting on April 6 to discuss technical issues, including the following:

- Jacobs provided an update of CS-19 activities. A 3-page handout of the update and a groundwater contour map were distributed. Current activities are on schedule. The subcontractor that is performing the baseline risk assessment will present their findings at next week's tech meeting. The groundwater map that was distributed had some inaccurate well locations that will be corrected for the draft report.
- There was no update of the water supply activities. Based on last week's discussion, the first data from these wells are expected on 4/7/00. EPA stressed the need to get the data from these wells. MADEP indicated DEM has asked for the REC for the latest IAGS field program. Ogden is assisting the Guard with this REC.
- Tetra Tech provided an update of the munitions survey activities. Demo 1 geophysics work is expected to be complete by 4/9/00. The slit trench has been cleared for vegetation and UXO clearance is underway. The geophysics will commence in approximately two weeks. Ogden asked if debris was noted on the surface. Tetra Tech indicated that some debris is on the surface but not as much as has been located in other areas. They are currently evaluating the approach for the water bodies survey. Because of the depth of some of the ponds, they may have to have an underwater survey. Ideas for this survey will be discussed at next week's meeting. The UXO crews are evaluating the approach to clearing the J-2 Range. EPA asked for the status of the munitions survey plan for J-2 and also the status of Appendix C.
- Ogden provided an update of the Rapid Response Action. Comments were received from last night's IART meeting. Most of the comments received so far are in regards to dust control and cleanup standards. EPA indicated that they would update Ogden on any comments they receive today. Ogden indicated that UXO avoidance will commence the week of April 17th and that another meeting would be required on cleanup standards. The DEP comments were distributed for review. Responses will be prepared for all comments, with a tech meeting to resolve responses, and an MOR to document resolution. The MOR and response to comments will be included in the final plan.
- Ogden provided an update on the Groundwater investigation. Currently setting wells on MW-93 (P-6) and the rig will move to P-10 location. Finished drilling on MW-95 (P-13) and will need to select screens tomorrow when data is received. Selected the three screens for MW-94 (Mortar Target 5) at the water table, 14' to 24' bwt, and 34' to 44' bwt. Continue to develop the newly installed wells. Continue to collect groundwater samples from the third round of remaining Group 2 far field wells and Phase IIa wells. EPA asked for an update on the status of the groundwater sampling of the newly installed Impact Area response wells. Ogden indicated wells have been developed and that the pumps have been ordered. The wells will be sampled as soon as the pumps arrive in the next few weeks. Additional UXO have been located which still need EOD review: two 81mm mortars, one 4.2" mortar, and one 60mm mortar at the Target 9 pad; one 155mm projectile at the P-20 drill pad; one 105mm projectile at the P-19 pad; and two 81mm mortars and five 64mm LAW rockets at the J-2

Range. The Guard indicated that they would like to have a meeting with EPA on the UXO notification process to see if it could be streamlined.

- A 1-page handout of the LTM plan map was distributed for review. It was suggested to add the five new LRWS locations to the map. EPA indicated that they would have their comments on the draft LTM plan today or tomorrow. The comments will indicate specific locations EPA wants to add to the plan. DEP asked if an annual synoptic water level round was scheduled. Ogden indicated that none have been proposed. DEP indicated that they would have their comments in a week or two.
- A 1-page handout of the Tank Alley targets was distributed for review. Ogden indicated that a reconnaissance of this area indicated additional targets and the map would have to be updated. EPA suggested using the 1955 or 1966 orthophoto for the background for the map, to add historic targets indicated in the ERI photos, and to have one symbol for the existing targets and another symbol for the targets identified in the historic photos.
- The Training Range recon status was discussed. Ogden indicated that the ASR does not have enough detail to indicate specific locations where smokes were used and suggested that a reconnaissance of the area be conducted with ASR interviewees. It was agreed to have the first Training Ranges reconnaissance on Wednesday 4/12 after a shortened Tech Meeting starting at 0900.
- The Guard indicated that they were concerned that they were not included in the EOEA meeting several weeks ago.
- The EPA indicated that the responses for Method 8321 and the CHPPM methods are OK, and asked that final 8321 MDLs be included in a subsequent report. Ogden noted that the MDL study for 8321 will be completed, and sampling can begin near the end of April.
- Ogden indicated that they have requested a proposal from Quanterra for the dyes analysis, and contracting is expected to begin shortly. Three of the five dyes should be easy by LCMS. Ogden also indicated that chlorobenzaldehyde will be added to the SVOC analyte list after the MDL study is complete. The Training Areas FSP will be prepared following the recon work to start next week. EPA indicated that the 4/10 deadline to start the Training Areas investigation can be considered met.

The Guard, EPA, and MADEP had a meeting on April 12 to discuss technical issues, including the following:

- It was reported that no explosives have been detected in the first of the proposed water supply wells under JPO's study. The Guard will check with JPO to see if copies of results are available.
- Tetra Tech provided an update on the munition survey. The geophysical survey at Demo 1 is now complete. The survey at the slit trench will begin shortly. Evaluation continues on geophysical methods appropriate for the water bodies. To date, five LAW rounds and three 81mm rounds have been discovered at the J2 Range.
- Ogden provided an update on the Rapid Response Action (RRA). Ogden is currently addressing the agency and public comments received on the RRA Workplan. Official public comments total eleven (eight oral and three written). EPA is waiting on the transcription of oral comments. A response to comments is expected by the week of 4/24. A meeting will be scheduled to review responses. The final workplan is expected to be submitted with a follow-up meeting in early May. EPA will generate an acceptance letter and the final plan then will be formally submitted to MADEP as the RAM plan under Guard's LSP signature.
- RRA UXO avoidance will start on 4/17. The treatability study is forecasted to start as scheduled. An updated schedule that includes other tie-ins requested by the agencies will be included in the revised workplan. Work is continuing on the draft FSP. Wetland delineation will begin on 4/17; Ogden will coordinate with Camp Good News through JEG. The Guard will continue coordination with the Sandwich Conservation Commission agent.
- Ogden provided an update on the IAGS. Drilling is near completion on P-10 (MW-95). Boring P-11 has stopped at 37 feet bgs due to drilling equipment problems. Installation of MW-94 is nearly

finished. Boring location for P-21 is currently being prepared. Sampling of the Group 2 far-field wells will be completed this week. Sampling of the remaining Phase II wells will be completed this week as well. The Impact Area Response wells have been developed and sampling will begin once the dedicated pumps are received and installed. Ogden predicts this sampling effort will begin within three weeks. Samples collected will be on a five-day turn for explosives.

- Action Items from the 4/5/00 IART Meeting were reviewed. (Item 7) A request for delineating the limits of contaminant migration based on groundwater profiling data was discussed. It was agreed that defining "plumes" with the profile data was probably not appropriate given the presumed accuracy of profile data. Options discussed for better presentations include vertical cross-sections as are used by the technical team for screen selection, color-coding, and waiting to present well sample results only. The Guard will review these options and discuss at a future technical meeting. (Item 8) It was agreed that the reference to "mortar" will be removed from future target names, and the numbering scheme continues as before.
- The status of documents and other submittals was discussed.
  - The resolution meeting for the PEP Report responses is scheduled for 4/20. DEP has not commented individually on the various companion submittals and requests that the table indicates that no comments will be forthcoming on these submittals.
  - Activities under the Workplan for Soil Maintenance Action Project have been completed. Ogden will include an addendum to the earlier report on the separation process after reviewing the Peer report. The disposition of the separated cobbles is pending approval by EPA of the 2/25/00 letter.
  - EPA will provide input on the CWR response to comments, but will not be expecting a revision to be prepared.
  - EPA expects to submit comments on the interim results report by the end of next week – many of the issues raised in this package will be common to other Guard submittals and would best be addressed in those documents.
  - The Phase IIb Workplan responses will be submitted to the agencies on 4/27. EPA would like to have a meeting with the Guard during that week to discuss the scope and schedule for Phase IIb activities.
  - The resolution meeting for the Fate and Transport Measurements comments will be moved to 4/27 due to travel during the week of 5/1. The Guard will have comment responses to the agencies by 4/19.
  - Discussion of comments on the Proposed Groundwater Model will be covered next week – the measurements component will be discussed on 4/27.
  - Comment resolution for the KD/U Range workplan will be held next week. EPA indicates that this will be an extensive discussion.
  - EPA will look at the August BIP Report ASAP, at least for format so that the remaining reports can be completed efficiently. Agencies would like to see a discussion of the disposition of soils included in future reports. For clarity, the agencies would like to see a monthly BIP report as opposed to individual report on each BIP. MADEP recommended that soil be immediately excavated and drummed at each BIP site to eliminate the need to temporarily cover sites with plastic until lab results are available to determine its ultimate disposition.
  - The SAR Workplan and the RRA Workplan will be added to the status table.
  - The Demo 1 response plan TM will consider all data currently available.
  - There may be some overlap in the J3 Range workplans prepared by the Guard and Textron. Table 6-1 provided in Textron's Phase I report summarizes what they plan to do. MADEP strongly urges the Guard to coordinate with Textron, as they want to see one set of MCP submittals for the J1/J3 Ranges. They also reminded the Guard that removal activities could only begin after a RAM plan had been submitted and approved.
- EPA asked about the status of results for the "trench" soil samples. Ogden will provide a table of detects for explosives.

- EPA wants to accompany Ogden on their scheduled visit to the J3 Range tomorrow. The Guard will contact Textron and USACE regarding oversight of closeout activities at the J3 Range. MADEP recommends the Guard issue a request letter to Textron on disclosing all past closeout activities and specifying a due date for responding.
- EPA asked that the public meeting map for metals be revised to show wells having detects < MCL/HA.
- EPA asked for updates of the transect cross sections used for well screen selection.
- An EOD team from Alabama is arriving today and will be on-site for approximately two days. They will be submitting a report of findings to allow for proper storage and disposal of currently identified UXO. The EOD team will be back onsite full time starting the week of 4/23.
- Reconnaissance of the Training Areas was discussed. EPA requests that in addition to the two days of ground reconnaissance, a Training Areas fly-over will be necessary. LTC Fitzpatrick indicated that a three-week notice is necessary to arrange for helicopter flights. Tentative passenger list includes T.Borci, J. Drake, B. Gregson, CPT Myer, LTC Fitzpatrick, M. Grant, J. Rice, and B. Rice. The second day of ground recon was tentatively scheduled for next Wednesday (4/19). Attendees to the ground recon scheduled for today agreed to reconvene at Range Control after the Tech Meeting.

The Guard, EPA, and MADEP had a meeting on April 20 to discuss technical issues, including the following:

- Ogden presented an update of the Rapid Response Action. Comments have been received from both the EPA and DEP. Subcontracts are in place with the contractors. UXO mag and flag work has started. FSP is currently being worked on and should be ready for agency review next week. J-3 wetland survey will be done this week with a map to the Guard next week for their meeting with the Conservation Commission. The Guard indicated that they have scheduled a meeting with Ogden and the subcontractors for next week.
- Ogden presented preliminary responses to EPA general comments on the draft Interim Long Term Groundwater Monitoring (LTGM) Plan, for discussion with the agencies. A draft response to comments will be provided on 4/21/00 with a request for agency review and input by early next week. The revised plan is due on 4/28/00 based on EPA's comments.
    - General Comment 1 on maps of wells. The requested maps will be provided.
    - General Comment 2 on metals analysis. EPA indicated that the metals analyte list should not be reduced to the two metals that were above background. Ogden suggested that all metals will be analyzed until the agencies have had a chance to review and comment on the background report, and comments have been resolved. EPA indicated that more than three rounds of data are required before any analytes can be removed from the list. It was unclear how many rounds would be required. The Guard indicated their desire to identify contaminants of concern and focus the analyte list based on the existing data from 1997 to 1999. There was a brief discussion of the potential cost savings of reducing the number of metals analytes.
    - General Comment 3 on seasonal variability and pulsing. Ogden indicated that they did not believe there was enough information to estimate the affects of pulsing at this time, but after the vadose zone model is completed the affect of pulsing might better be determined. Ogden suggested that continuing with the 3 rounds of sampling with the current schedule would be an interim approach. EPA indicated that a discussion of the phenomena and attempts to measure it should be added to the plan.
    - General Comment 4 on including wells where additional investigations are underway. Ogden indicated that they believed that this program was only for wells that have been sampled 3 times and that this is a interim plan which is only part of the long term monitoring. The wells from areas like the J Ranges were excluded from the plan because further investigations were planned and wells would be added to the Interim LTGM Plan after the investigation was completed. EPA

indicated that any well that has been sampled 3 times and had a detection should be included, even where investigations are planned or ongoing. This would prevent time lags between sampling events while investigations are being planned. A "mid-term" review of the plan was discussed to allow addition of wells that were sampled for the third time early in the calendar year.

- General Comment 5 on sector approach. Ogden indicated that there was insufficient time to redo the plan to use the sector approach before the deadline. Ogden agreed that if the sector approach was to be used in the future that the sectors should be redrawn to cover source areas. EPA agreed but for this deadline there was no need to change.
- General Comment 6 on trimester sampling was acceptable to Guard.
- General Comment 7 on selection of wells and analytes. Ogden agreed to expand the table in Attachment A to include different depths and show analytes for each depth. Also, all sectors should be sampled once a year for the full suite of analytes, to check for previously undetected releases.

- Jacobs presented an update of the CS-19 investigation. A 3-page handout of the technical update was distributed. There were no changes from the previous schedule. The laboratory that analyzed the surface soil VOC samples indicated that faulty septa on the vials may have caused the VOC detections. Subsurface soil sample results are in validation for dioxins/furans. The complete data package should be ready next week.
- Jacobs presented information on the MMR data warehouse and a 6-page handout was provided. Also, copies of the ERPIMS data loading handbook, ERPTools procedures, MMR TECH-045, and the IRP QPP were provided. There was a discussion of data exchange between IRP and IAGS programs. Ogden will work with Jacobs to streamline interim (pre-ERPIMS) submittals of IAGS data to the warehouse.
- There was a presentation and an 18-page handout of the surface soil risk screening COPCs. The selected COPCs for human health were hexachlorobenzene, dioxins/furans, arsenic, and lead. The selected COPCs for ecological health were dioxins/furans, 2,4-dinotrotoluene, pesticides, chromium, copper, lead, mercury, vanadium, and zinc. Several questions were raised for consideration in the draft RI including how to handle infrequent detects in groundwater (e.g., pesticides), and how/if UXO is considered in the CERCLA Risk Assessment process.
- The Guard presented an update of the Water Supply Investigation. A 7-page handout of the WS-3 site results was distributed for review. The next step in the process is the installation of the monitoring wells for the pump test. Ogden asked if there was a handout like this for the four sites. The Guard indicated that this was the first but there was a verbal that there were no explosives detections. The next handout should be available at next week's tech meeting.
- Tetra Tech presented an update of the munitions survey. The land surveyors are schedule for next week for the control for the water bodies. Geophysical survey on the water bodies and slit trench are scheduled to start May 1st. EPA asked if a decision was made to remove the surface metal from the slit trench. Tetra Tech indicated that the geophysical contractor would evaluate it when they arrive. EPA asked for the status of the J-2 Range survey plan. The Guard indicated that the Base Biologist had it to review, and the plan should be ready for next week.
- Ogden presented an update of the Groundwater Investigation. Drilling at P-21 will be scheduled after the hunting season ends in early May. Currently drilling on P-2 (MW-98) and would need to select screens next Monday. A drill rig is setting up on P-3 location. A 6-page draft boring log and 1 page profile data table were distributed for MW-97 (P-11). Screens for MW-97 were selected at 15' to 25' bwt, 60' to 70' bwt, and 110' to 120' bwt. Groundwater samples are being collected from the 10 additional IRP wells in the FS-12 area and the 3rd round of Gun and Mortar wells. Impact Area Response well groundwater sampling will start next week. UXO clearance continues for the trenches and P-18, P-19, and P-20.
- EPA requested additional time to review the PEP response to comments.

- EPA indicated that the Fate and Transport Modeling response to comments has already been discussed. Ogden will look for this information in correspondence/email, and advise if it cannot be found.
- EPA requested additional time to review the KD and U Range response to comments. EPA asked for an update of planned activities for these ranges. Ogden indicated that a well was proposed for downgradient of the firing points and that the RRA would define the depth and extent of soil contamination at the target. EPA indicated that the response to comments indicated additional wells may be placed downgradient of the KD Range based on the RRA soil sample results. EPA suggested that the Guard be prepared to discuss responses to comments 13 and 16, among others. There was a discussion of the TIC findings, and Ogden indicated that the detection frequency for KD was not significantly different from the U Range. It was suggested that a table be prepared showing number of TICs per sampling grid.
- The Guard indicated that the TOSC tour would be May 6th at 1:00 PM.
- The Guard indicated that 12 items were scheduled to be detonated on Friday. Three additional LAWs on J-2 remain to be identified at this time and are not part of this detonation. The safety submission for the CDC and the HUTA are currently under review by the Guard, DDESB, and the Army.
- The Guard distributed the IRA Plan for Demo 1. Ogden noted that the map states that the some samples are "crater" samples, but these are actually grab samples from beneath munition residuals. EPA indicated that care should be taken on removal activities because of the explosive levels in the soil.
- The EPA indicated that Jacobs presented information at JPAT that the EDB detected in Snake Pond may not be captured by the FS-12 treatment system. The EPA suggested that the explosives detected in the J Range wells may not be capture by the system also. It was suggested that the Guard request a meeting with IRP to review the FS-12 modeling results, with the agencies to attend.

The Guard, EPA, and MADEP had a meeting on April 27 to discuss technical issues, including the following:

- Ogden presented an update on the Rapid Response Action. Responses to comments are being reviewed by the Guard and should be delivered to the Agencies next week. Ogden requested a meeting with the agencies during the second week in May to go over the response to comments. The UXO avoidance has commenced on the KD Range. A draft FSP is being prepared to allow sample collection to begin. The FSP is designed around the proposed cleanup standards. If the cleanup standards change, then the FSP will be revised. The FSP is currently being reviewed by the Guard and should be ready next week. The J-3 Wetland NOI has been completed and a meeting with the Sandwich Conservation Commission has been scheduled for next week. The updated schedule will be distributed next week. There will be a poster board session on Saturday at the Mashpee High School.
- Jacobs presented an update on the CS-19 investigation. A 7-page handout of the technical update and a 2-page revised schedule were distributed. A revised water table map was included with the update handout, and a map showing backtracks from the detections at 58MW0018. The backtrack from the detection at 58MW0018 passes under the MW-2 area and goes back to the Turpentine Road area. Jacobs indicated that the surface and subsurface soil data are complete. EPA asked if the Dioxin TEFs have been calculated. Jacobs indicated that they have been calculated for surface soil. EPA asked if CS-19 was on the JPAT agenda. Jacobs indicated that they were not sure.
- EPA requested that a plume be drawn for CS-19, allowing for the upgradient detections. Jacobs indicated that there may not be sufficient data to map the plume, although they could display the detections on a map. There was a discussion of which IAGS wells were included in the IRP sampling. EPA requested a conference call with AFCEE, Jacobs, and EPA next week to continue this discussion.

- The discussion of plume mapping continued but turned to Demo 1. EPA asked that the plume for Demo 1, drawn for the 12/15/99 IART Meeting, be updated based on the monitoring well data. This plume should be shown consistently as an inset on maps for the public meetings and progress reports. ZOCs should be added to this map, including future supply well ZOCs that are available. The Guard indicated that these changes would be made. EPA also asked that a modified explosive detection map be prepared for the next IART meeting, showing ZOCs and removing the labels from wells with nondetects.
- The discussion of plume mapping turned to the Impact Area. There was discussion regarding how to proceed with mapping the profile results. EPA suggested graying or coloring the area of contaminated borings in plan view. It was agreed that cross-sections used by the technical team will be presented to the IART. A plan view map will be prepared showing profile detections, similar to the current detection maps for wells.
- There was a discussion of how to continue the groundwater investigation in the Impact Area. This will be an agenda item for the technical team meeting on 5/11. Additional response wells will be evaluated so that planning and funding can be expedited.
- There was no update of the Water Supply Investigation.
- Tetra Tech presented an update of the Munitions Survey investigation. The geophysical investigation of the water bodies will commence next week and should be completed in two weeks. The slit trench survey will start after the water bodies have been completed. J-2 Range brush clearing continues and the work plan is being finalized.
- Ogden provided an update on the Groundwater Study investigation. The drilling of MW-99 (P-3) should finish today and will need to select screens on a Monday conference call. Drilling just commenced on MW-100 (P-4) and MW-101 (P-5). Continue to develop the newly installed wells. UXO crews will complete the trench UXO clearance next week. Continue groundwater sampling of the third round of Gun and Mortar wells and continue to sample the ten additional IRP wells in the FS-12 area. Access was denied from the property owner where well 90PZ0204 is located. New coordinates for the 90MW0069 well have been obtained from Jacobs and another attempt to locate this well will be performed. The drive point wells in Snake Pond ECPZSNP03B and ECPZSNP03C were not located. It was agreed that the Impact Area Response well P-17 should be relocated 300' to 400' north of the revised P-21 location.
- The Technical meeting on 5/4 will be at 10:00. Ogden presented an update on the Rapid Response Action. Responses to comments are being reviewed by the Guard and should be delivered to the Agencies next week. Ogden requested a meeting with the agencies during the second week in May to go over the response to comments. The UXO avoidance has commenced on the KD Range. A draft FSP is being prepared to allow sample collection to begin. The FSP is designed around the proposed cleanup standards. If the cleanup standards change, then the FSP will be revised. The FSP is currently being reviewed by the Guard and should be ready next week. The J-3 Wetland NOI has been completed and a meeting with the Sandwich Conservation Commission has been scheduled for next week. The updated schedule will be distributed next week. There will be a poster board session on Saturday at the Mashpee High School.
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sampling. EPA requested a conference call with AFCEE, Jacobs, and EPA next week to continue this discussion.

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- There was a discussion of how to continue the groundwater investigation in the Impact Area. This will be an agenda item for the technical team meeting on 5/11. Additional response wells will be evaluated so that planning and funding can be expedited.
- There was no update of the Water Supply Investigation.
- Tetra Tech presented an update of the Munitions Survey investigation. The geophysical investigation of the water bodies will commence next week and should be completed in two weeks. The slit trench survey will start after the water bodies have been completed. J-2 Range brush clearing continues and the work plan is being finalized.
- Ogden provided an update on the Groundwater Study investigation. The drilling of MW-99 (P-3) should finish today and will need to select screens on a Monday conference call. Drilling just commenced on MW-100 (P-4) and MW-101 (P-5). Continue to develop the newly installed wells. UXO crews will complete the trench UXO clearance next week. Continue groundwater sampling of the third round of Gun and Mortar wells and continue to sample the ten additional IRP wells in the FS-12 area. Access was denied from the property owner where well 90PZ0204 is located. New coordinates for the 90MW0069 well have been obtained from Jacobs and another attempt to locate this well will be performed. The drive point wells in Snake Pond ECPZSNP03B and ECPZSNP03C were not located. It was agreed that the Impact Area Response well P-17 should be relocated 300' to 400' north of the revised P-21 location.
- The Technical meeting on 5/4 will be at 10:00.

2. SUMMARY OF DATA RECEIVED

Validated Data

Validated data were received during April for Sample Delivery Groups (SDGs) 208, 235, 240, 253, 254, 255, 256, 257, 259, 262, 264DA, 271, 277, 285, 297, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 303, 304, 305, 308, and 329. These SDGs contain results for 406 soil grid samples, primarily consisting of samples from Demo 1 and the ground scars, bunkers, and trenches. These SDGs also contain results for 10 soil boring samples from response well MW-85, 83 groundwater samples from monitoring wells, and 37 groundwater profile samples collected during installation of MW-74, 77, 78, 88, and 89. Finally, results are included for 3 soil samples associated with open detonation of munitions.

Figures 1 through 5 depict the cumulative results of groundwater analyses for the period from the start of the IAGS (July 1997) to the present. Each figure depicts results for a different analyte class:

- Figure 1 shows the results of explosive analyses by EPA Method 8330

- Figure 2 shows the results of inorganic analyses (collectively referred to as "metals", though some analytes are not true metals) by methods 300.0, 350.2M, 353M, 365.2, CYAN, IM40/MB, and IM40HG
- Figure 3 shows the results of Volatile Organic Compound (VOC) analyses by methods OC21V, 504, and 8021W
- Figure 4 shows the results of Semi-Volatile Organic Compound (SVOC) analyses by method OC21B
- Figure 5 shows the results of Pesticide (method OL21P) and Herbicide (method 8151) analyses

The concentrations from these analyses are depicted in Figures 1-5 compared to Maximum Contaminant Levels (MCLs) or Health Advisories (HAs) published by EPA for drinking water. A red circle is used to depict a well where the concentration of one or more analytes was greater than or equal to (GTE) the lowest MCL or HA for the analyte(s). A yellow circle is used to depict a well where the concentration of all analytes was less than (LT) the lowest MCL or HA. A green circle is used to depict a well where the given analytes were not detected. An open circle is used to depict an existing well where the analytes in question (for example, Explosives in Figure 1) have not yet been measured. Table 3 summarizes the detections that exceeded a MCL or HA, sorted by analytical method and analyte, since 1997.

There are multiple labels listed for some wells in Figures 1-5, which indicate multiple well screens at different depths throughout the aquifer. The aquifer is approximately 200-300 feet thick in the study area. Well screens are positioned throughout this thickness based on various factors, including the results of groundwater profile samples, the geology, and projected locations of contaminants estimated by groundwater modeling. The screen labels are colored to indicate which of the depths had the chemical detected above MCLs/HAs. Generally, groundwater entering the top of the aquifer will move deeper into the aquifer as it moves radially outward from the top of the water table mound. Light blue dashed lines in Figures 1-5 depict water table contours. Groundwater generally moves perpendicular to these contours. The rate of vertical groundwater flow deeper into the aquifer slows as groundwater moves away from the mound.

The results presented in Figures 1-5 are cumulative, which provides a historical perspective on the data rather than a depiction of current conditions. Any detection at a well that equals or exceeds the MCL/HA results in the well having a red symbol, regardless of later detections at lower concentrations, or later non-detects. The difference between historical and current conditions varies according to the type of analytes. There are little or no differences between historical and current exceedances of drinking water criteria for Explosives, VOCs, Pesticides, and Herbicides. There are significant differences between historical and current exceedances of drinking water criteria for Metals and SVOCs, as described further below.

Figure 1: Explosives in Groundwater Compared to MCLs/HAs

Exceedances of drinking water criteria for explosive compounds are indicated in four general areas: Demo Area 1 (wells 19, 31, 34, 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. 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 41 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 68) 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 a confirmed detection of HMX in the composite soil sample from a crater at the J-2 Range where a 60mm LAW was detonated on 3/27/00.

Table 4 indicates confirmed detections of RDX in groundwater samples from MW-37M2 and MW-40M1 for the third round samples collected in March and April 2000. Also, there was a confirmed detection of 4-amino-2,6-dinitrotoluene in MW-44S for the third round sample. These Phase II (a) RDX response wells had detects of the same compounds in the previous sampling round.

Table 4 includes profile results from drilling at the Impact Area response wells 91, 94, 95, 96, 97, 98, and 99. RDX (13x), 2,6-DNT (1x), 2-amino-4,6-dinitrotoluene (1x), HMX (2x), and 1,3,5-trinitrobenzene (1x) were verified as detected in one or more profile samples.

3. DELIVERABLES SUBMITTED

Deliverables submitted during the reporting period include the following:

Weekly Update for March 27 – March 31	4/7/00
Draft J-2 Range Workplan	4/7/00
Draft FS Workplan	4/7/00
Monthly Progress Report for March 2000	4/10/00
Draft J-1/J-3/L Range Workplan	4/21/00
Weekly progress update (4/3 to 4/7)	4/28/00
Weekly progress update (4/10 to 4/14)	4/28/00

4. SCHEDULED ACTIONS

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

- Continue preparation of draft report on Demo 1 soil/groundwater investigation
- Continue Demo 1 geophysics data processing
- Continue Impact Area investigation drilling
- IART review draft J-2 Range Workplan and provide comments
- Start J-2 Range geophysics investigation
- Complete Response Plan for DP-8&9 and 90MW0022
- Review results for DP-8&9 Response Plan and plan follow-up
- IART review draft J-1/J-3 Range Workplan and provide comments
- Start J-1/J-3 Range geophysics investigation
- Continue preparation of draft report on gun/mortar investigation
- Complete preparation of draft report on “trenches” investigation and start IART review
- Complete Mortar Targets investigation and start report preparation
- Continue method development and FSP preparation for Training Areas investigation
- Continue revisions of KD/U and J-3 Wetland reports
- Complete final workplan for HUTA-1 and start investigation
- Continue geophysics investigation of water bodies
- Continue geophysics investigation of slit trench
- Continue groundwater monitoring programs
- Continue revisions of PEP report
- Complete revisions of Interim Longterm Monitoring (ILTGM) plan for CY 2000
- Continue revisions of Rapid Response Action (RRA) workplan
- Continue pre-RRA implementation

5. SUMMARY OF ACTIVITIES FOR DEMO 1

The geophysical survey of Demo 1 has been completed. Data will be processed for evaluation of anomalies. Preparation of the draft technical memorandum for the Demo 1 response actions is underway. The draft FS Workplan for AO3 (including Demo 1) is under review by the regulatory agencies and other stakeholders.

TABLE 2
SAMPLING PROGRESS
4/1/2000-4/30/2000

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HCJ23.5IN	HCJ23.5IN	04/24/2000	CRATER GRAB	0.00	0.25		
HCJ260MM	HCJ260MM	04/24/2000	CRATER GRAB	0.00	0.25		
HCP19105MM	HCP19105MM	04/24/2000	CRATER GRAB	0.00	0.25		
HCP20155MM	HCP20155MM	04/24/2000	CRATER GRAB	0.00	0.25		
HCT94.2IN	HCT94.2IN	04/24/2000	CRATER GRAB	0.00	0.25		
HCT960MM	HCT960MM	04/24/2000	CRATER GRAB	0.00	0.25		
HCT981MM	HCT981MM	04/24/2000	CRATER GRAB	0.00	0.25		
HDJ23.5IN	HDJ23.5IN	04/24/2000	CRATER GRAB	0.00	0.25		
HDJ260MM	HDJ260MM	04/24/2000	CRATER GRAB	0.00	0.25		
HDJ281MM1	HDJ281MM1	04/24/2000	CRATER GRAB	0.00	0.25		
HDJ2LAW3	HDJ2LAW3	04/24/2000	CRATER GRAB	0.00	0.25		
HDJ2LAW4	HDJ2LAW4	04/24/2000	CRATER GRAB	0.00	0.25		
HDP19105MM	HDP19105MM	04/24/2000	CRATER GRAB	0.00	0.25		
HDP20155MM	HDP20155MM	04/24/2000	CRATER GRAB	0.00	0.25		
HDT94.2IN	HDT94.2IN	04/24/2000	CRATER GRAB	0.00	0.25		
HDT960MM	HDT960MM	04/24/2000	CRATER GRAB	0.00	0.25		
HDT981MM	HDT981MM	04/24/2000	CRATER GRAB	0.00	0.25		
90MW0006-E	FIELDQC	04/21/2000	FIELDQC	0.00	0.00		
90MW0059A-E	FIELDQC	04/26/2000	FIELDQC	0.00	0.00		
G94DBE	FIELDQC	04/03/2000	FIELDQC	0.00	0.00		
G94DBT	FIELDQC	04/03/2000	FIELDQC	0.00	0.00		
G94DHE	FIELDQC	04/04/2000	FIELDQC	0.00	0.00		
G94DHT	FIELDQC	04/04/2000	FIELDQC	0.00	0.00		
G95DGE	FIELDQC	04/05/2000	FIELDQC	0.00	0.00		
G96DAE	FIELDQC	04/12/2000	FIELDQC	0.00	0.00		
G96DCE	FIELDQC	04/12/2000	FIELDQC	0.00	0.00		
G96DIE	FIELDQC	04/13/2000	FIELDQC	0.00	0.00		
G97DAE	FIELDQC	04/13/2000	FIELDQC	0.00	0.00		
G97DBE	FIELDQC	04/17/2000	FIELDQC	0.00	0.00		
G97DGE	FIELDQC	04/18/2000	FIELDQC	0.00	0.00		
G98DBE	FIELDQC	04/19/2000	FIELDQC	0.00	0.00		
G99DAE	FIELDQC	04/25/2000	FIELDQC	0.00	0.00		
G99DCE	FIELDQC	04/26/2000	FIELDQC	0.00	0.00		
G99DIE	FIELDQC	04/27/2000	FIELDQC	0.00	0.00		
HDT981MM-E	FIELDQC	04/24/2000	FIELDQC	0.00	0.00		
HDT981MM-T	FIELDQC	04/24/2000	FIELDQC	0.00	0.00		
LOC-1FB	FIELDQC	04/25/2000	FIELDQC	0.00	0.00		
LOC-3TB	FIELDQC	04/25/2000	FIELDQC	0.00	0.00		
LOC-ER	FIELDQC	04/25/2000	FIELDQC	0.00	0.00		
S101DCE	FIELDQC	04/27/2000	FIELDQC	0.00	0.00		
S101DCT	FIELDQC	04/27/2000	FIELDQC	0.00	0.00		
S101DEE	FIELDQC	04/28/2000	FIELDQC	0.00	0.00		
S95DEE	FIELDQC	04/03/2000	FIELDQC	0.00	0.00		
S95DNE	FIELDQC	04/04/2000	FIELDQC	0.00	0.00		
S96DCE	FIELDQC	04/07/2000	FIELDQC	0.00	0.00		
S96DCT	FIELDQC	04/07/2000	FIELDQC	0.00	0.00		
S96DFE	FIELDQC	04/11/2000	FIELDQC	0.00	0.00		
S96DNE	FIELDQC	04/11/2000	FIELDQC	0.00	0.00		
S97DCE	FIELDQC	04/11/2000	FIELDQC	0.00	0.00		
S97DCT	FIELDQC	04/12/2000	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
4/1/2000-4/30/2000

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
S97DKE	FIELDQC	04/13/2000	FIELDQC	0.00	0.00		
S98DCE	FIELDQC	04/14/2000	FIELDQC	0.00	0.00		
S98DFE	FIELDQC	04/17/2000	FIELDQC	0.00	0.00		
S98DKE	FIELDQC	04/18/2000	FIELDQC	0.00	0.00		
S99DCE	FIELDQC	04/24/2000	FIELDQC	0.00	0.00		
S99DFE	FIELDQC	04/25/2000	FIELDQC	0.00	0.00		
W40M1T	FIELDQC	04/14/2000	FIELDQC	0.00	0.00		
W44SST	FIELDQC	04/13/2000	FIELDQC	0.00	0.00		
W65M1T	FIELDQC	04/25/2000	FIELDQC	0.00	0.00		
W65M2T	FIELDQC	04/26/2000	FIELDQC	0.00	0.00		
W66M2T	FIELDQC	04/28/2000	FIELDQC	0.00	0.00		
W68M1T	FIELDQC	04/20/2000	FIELDQC	0.00	0.00		
W68SST	FIELDQC	04/19/2000	FIELDQC	0.00	0.00		
W80M1T	FIELDQC	04/06/2000	FIELDQC	0.00	0.00		
W80SST	FIELDQC	04/05/2000	FIELDQC	0.00	0.00		
W81M3T	FIELDQC	04/10/2000	FIELDQC	0.00	0.00		
W82M1T	FIELDQC	04/11/2000	FIELDQC	0.00	0.00		
W83SST	FIELDQC	04/13/2000	FIELDQC	0.00	0.00		
90MW0006	90MW0006	04/21/2000	GROUNDWATER	132.00	137.00	53.85	58.85
90MW0006-D	90MW0006	04/21/2000	GROUNDWATER	132.00	137.00	53.85	58.85
90MW0009	90MW0009	04/21/2000	GROUNDWATER	121.00	126.00	54.33	59.33
90MW0011	90MW0011	04/21/2000	GROUNDWATER	46.00	51.00	34.80	39.80
90MW0059A	90MW0059A	04/26/2000	GROUNDWATER	95.00	100.00		
90MW0059B	90MW0059A	04/26/2000	GROUNDWATER	112.00	117.00		
90MW0063	90MW0063	04/21/2000	GROUNDWATER	50.00	55.00	32.50	37.50
W37M3A	MW-37	04/14/2000	GROUNDWATER	130.00	140.00	7.90	17.90
W40M1A	MW-40	04/14/2000	GROUNDWATER	132.50	142.50	11.53	21.53
W44M1A	MW-44	04/03/2000	GROUNDWATER	182.00	192.00	55.00	65.00
W44M2A	MW-44	04/03/2000	GROUNDWATER	142.00	152.00	15.00	25.00
W44M2D	MW-44	04/03/2000	GROUNDWATER	142.00	152.00	15.00	25.00
W44SSA	MW-44	04/13/2000	GROUNDWATER	123.00	133.00	-6.60	3.40
W60SSA	MW-60	04/14/2000	GROUNDWATER	90.00	101.00	-5.68	5.32
W61SSA	MW-61	04/13/2000	GROUNDWATER	98.00	108.00	-4.71	5.29
W62SSA	MW-62	04/14/2000	GROUNDWATER	108.00	118.00	-4.70	5.30
W63DDA	MW-63	04/04/2000	GROUNDWATER	375.00	380.00	218.82	223.82
W63M1A	MW-63	04/04/2000	GROUNDWATER	244.00	254.00	87.25	97.25
W63M2A	MW-63	04/04/2000	GROUNDWATER	214.00	224.00	57.44	67.44
W63M3A	MW-63	04/04/2000	GROUNDWATER	182.00	192.00	25.41	35.41
W63SSA	MW-63	04/03/2000	GROUNDWATER	153.00	163.00	-3.59	6.41
W64M1A	MW-64	04/20/2000	GROUNDWATER	129.00	139.00	34.45	44.45
W64M2A	MW-64	04/20/2000	GROUNDWATER	100.00	105.00	5.45	10.45
W64SSA	MW-64	04/27/2000	GROUNDWATER	87.00	97.00	-7.59	2.41
W65M1A	MW-65	04/25/2000	GROUNDWATER	210.00	220.00	86.88	96.88
W65M2A	MW-65	04/25/2000	GROUNDWATER	129.00	134.00	5.88	10.88
W65SSA	MW-64	04/27/2000	GROUNDWATER	116.00	126.00	-7.10	2.90
W66M1A	MW-66	04/27/2000	GROUNDWATER	228.00	238.00	99.14	109.14
W66M2A	MW-66	04/27/2000	GROUNDWATER	141.00	151.00	12.20	22.20
W67M1A	MW-67	04/28/2000	GROUNDWATER	243.00	253.00	84.70	94.70
W67SSA	MW-67	04/28/2000	GROUNDWATER	161.00	171.00	2.70	12.70
W68M1A	MW-68	04/20/2000	GROUNDWATER	106.00	116.00	15.80	25.80

Profiling methods include: Volatiles and Explosives
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
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TABLE 2
SAMPLING PROGRESS
4/1/2000-4/30/2000

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W68SSA	MW-68	04/19/2000	GROUNDWATER	84.00	94.00	-6.10	3.90
W68SSD	MW-68	04/19/2000	GROUNDWATER	84.00	94.00	-6.10	3.90
W80DDA	MW-80	04/05/2000	GROUNDWATER	158.00	168.00	110.62	120.62
W80M1A	MW-80	04/05/2000	GROUNDWATER	130.00	140.00	82.88	92.88
W80M2A	MW-80	04/05/2000	GROUNDWATER	100.00	110.00	52.79	62.79
W80M3A	MW-80	04/06/2000	GROUNDWATER	70.00	80.00	22.74	32.74
W80SSA	MW-80	04/06/2000	GROUNDWATER	43.00	53.00	-4.40	5.60
W81DDA	MW-81	04/07/2000	GROUNDWATER	184.00	194.00	154.03	164.03
W81M1A	MW-81	04/07/2000	GROUNDWATER	128.00	138.00	97.61	107.61
W81M2A	MW-81	04/06/2000	GROUNDWATER	83.00	93.00	53.45	63.45
W81M3A	MW-81	04/10/2000	GROUNDWATER	53.00	58.00	22.93	27.93
W81SSA	MW-81	04/06/2000	GROUNDWATER	43.00	53.00	13.00	23.00
W82DDA	MW-82	04/11/2000	GROUNDWATER	125.00	135.00	94.37	104.37
W82M1A	MW-82	04/12/2000	GROUNDWATER	104.00	114.00	73.50	83.50
W82M2A	MW-82	04/10/2000	GROUNDWATER	78.00	88.00	47.80	57.80
W82M3A	MW-82	04/11/2000	GROUNDWATER	54.00	64.00	23.52	33.52
W82SSA	MW-82	04/10/2000	GROUNDWATER	25.00	35.00	-4.69	5.31
W82SSD	MW-82	04/10/2000	GROUNDWATER	25.00	35.00	-4.69	5.31
W83DDA	MW-83	04/12/2000	GROUNDWATER	142.00	152.00	106.41	116.41
W83M1A	MW-83	04/12/2000	GROUNDWATER	110.00	120.00	79.99	89.99
W83M2A	MW-83	04/13/2000	GROUNDWATER	85.00	95.00	48.80	58.80
W83M3A	MW-83	04/13/2000	GROUNDWATER	60.00	70.00	23.70	33.70
W83SSA	MW-83	04/13/2000	GROUNDWATER	33.00	43.00	-3.20	6.80
W86M1A	MW-86	04/28/2000	GROUNDWATER	208.00	218.00	62.32	72.32
W86M2A	MW-86	04/28/2000	GROUNDWATER	158.00	168.00	12.37	22.37
W86SSA	MW-86	04/28/2000	GROUNDWATER	143.00	153.00	-2.59	7.41
W87M1A	MW-87	04/28/2000	GROUNDWATER	194.00	204.00	59.53	69.53
W87M2A	MW-87	04/28/2000	GROUNDWATER	169.00	179.00	34.42	44.42
W87M3A	MW-87	04/28/2000	GROUNDWATER	140.00	150.00	5.36	15.36
DW0428	GAC WATER	04/28/2000	IDW				
DW9514	GAC WATER	04/14/2000	IDW				
LOC-1	MW-53	04/25/2000	IDW				
LOC-1PS	MW-53	04/25/2000	IDW				
LOC-2	MW-53	04/25/2000	IDW				
LOC-3	MW-53	04/25/2000	IDW				
LOC-3TBa	MW-53	04/25/2000	IDW				
G94DBA	MW-94	04/03/2000	PROFILE	140.00	140.00	14.20	14.20
G94DCA	MW-94	04/03/2000	PROFILE	150.00	150.00	24.20	24.20
G94DDA	MW-94	04/03/2000	PROFILE	160.00	160.00	34.20	34.20
G94DEA	MW-94	04/03/2000	PROFILE	170.00	170.00	44.20	44.20
G94DED	MW-94	04/03/2000	PROFILE	170.00	170.00	44.20	44.20
G94DFA	MW-94	04/03/2000	PROFILE	180.00	180.00	54.20	54.20
G94DGA	MW-94	04/03/2000	PROFILE	190.00	190.00	64.20	64.20
G94DHA	MW-94	04/04/2000	PROFILE	200.00	200.00	74.20	74.20
G94DIA	MW-94	04/04/2000	PROFILE	210.00	210.00	84.20	84.20
G94DJA	MW-94	04/04/2000	PROFILE	220.00	220.00	94.20	94.20
G94DKA	MW-94	04/04/2000	PROFILE	230.00	230.00	104.20	104.20
G95DAA	MW-95	04/04/2000	PROFILE	130.00	130.00	2.77	2.77
G95DBA	MW-95	04/04/2000	PROFILE	140.00	140.00	12.77	12.77
G95DCA	MW-95	04/04/2000	PROFILE	150.00	150.00	22.77	22.77

Profiling methods include: Volatiles and Explosives
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
Other Sample Types methods are variable
SBD = Sample Begin Depth, measured in feet bgs
SED = Sample End Depth, measured in feet bgs
BWTS = Depth below water table, start depth, measured in feet
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TABLE 2
SAMPLING PROGRESS
4/1/2000-4/30/2000

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G95DDA	MW-95	04/04/2000	PROFILE	160.00	160.00	32.77	32.77
G95DEA	MW-95	04/04/2000	PROFILE	170.00	170.00	42.77	42.77
G95DED	MW-95	04/04/2000	PROFILE	170.00	170.00	42.77	42.77
G95DFA	MW-95	04/05/2000	PROFILE	180.00	180.00	52.77	52.77
G95DGA	MW-95	04/05/2000	PROFILE	190.00	190.00	62.77	62.77
G95DHA	MW-95	04/05/2000	PROFILE	200.00	200.00	72.77	72.77
G95DHD	MW-95	04/05/2000	PROFILE	200.00	200.00	72.77	72.77
G95DIA	MW-95	04/05/2000	PROFILE	210.00	210.00	82.77	82.77
G95DJA	MW-95	04/05/2000	PROFILE	220.00	220.00	92.77	92.77
G95DKA	MW-95	04/05/2000	PROFILE	230.00	230.00	102.77	102.77
G96DAA	MW-96	04/11/2000	PROFILE	140.00	140.00	4.40	4.40
G96DBA	MW-96	04/11/2000	PROFILE	150.00	150.00	14.40	14.40
G96DCA	MW-96	04/12/2000	PROFILE	160.00	160.00	24.40	24.40
G96DDA	MW-96	04/12/2000	PROFILE	170.00	170.00	34.40	34.40
G96DEA	MW-96	04/12/2000	PROFILE	180.00	180.00	44.40	44.40
G96DED	MW-96	04/12/2000	PROFILE	180.00	180.00	44.40	44.40
G96DFA	MW-96	04/12/2000	PROFILE	190.00	190.00	54.40	54.40
G96DGA	MW-96	04/12/2000	PROFILE	200.00	200.00	64.40	64.40
G96DHA	MW-96	04/12/2000	PROFILE	210.00	210.00	74.40	74.40
G96DIA	MW-96	04/13/2000	PROFILE	220.00	220.00	84.40	84.40
G96DID	MW-96	04/13/2000	PROFILE	220.00	220.00	84.40	84.40
G96DJA	MW-96	04/13/2000	PROFILE	230.00	230.00	94.40	94.40
G96DKA	MW-96	04/13/2000	PROFILE	240.00	240.00	104.40	104.40
G97DAA	MW-97	04/13/2000	PROFILE	125.00	125.00	0.00	0.00
G97DBA	MW-97	04/17/2000	PROFILE	130.00	130.00	5.00	5.00
G97DCA	MW-97	04/17/2000	PROFILE	140.00	140.00	15.00	15.00
G97DDA	MW-97	04/17/2000	PROFILE	150.00	150.00	25.00	25.00
G97DDD	MW-97	04/17/2000	PROFILE	150.00	150.00	25.00	25.00
G97DEA	MW-97	04/17/2000	PROFILE	160.00	160.00	35.00	35.00
G97DFA	MW-97	04/17/2000	PROFILE	170.00	170.00	45.00	45.00
G97DGA	MW-97	04/18/2000	PROFILE	180.00	180.00	55.00	55.00
G97DHA	MW-97	04/18/2000	PROFILE	190.00	190.00	65.00	65.00
G97DIA	MW-97	04/18/2000	PROFILE	200.00	200.00	75.00	75.00
G97DID	MW-97	04/18/2000	PROFILE	200.00	200.00	75.00	75.00
G97DJA	MW-97	04/18/2000	PROFILE	210.00	210.00	85.00	85.00
G97DKA	MW-97	04/18/2000	PROFILE	220.00	220.00	95.00	95.00
G97DLA	MW-97	04/18/2000	PROFILE	230.00	230.00	105.00	105.00
G98DAA	MW-98	04/18/2000	PROFILE	145.00	145.00	5.95	5.95
G98DBA	MW-98	04/19/2000	PROFILE	150.00	150.00	10.95	10.95
G98DCA	MW-98	04/19/2000	PROFILE	160.00	160.00	20.95	20.95
G98DDA	MW-98	04/19/2000	PROFILE	170.00	170.00	30.95	30.95
G98DDD	MW-98	04/19/2000	PROFILE	170.00	170.00	30.95	30.95
G98DEA	MW-98	04/19/2000	PROFILE	180.00	180.00	40.95	40.95
G98DFA	MW-98	04/19/2000	PROFILE	190.00	190.00	50.95	50.95
G98DGA	MW-98	04/19/2000	PROFILE	200.00	200.00	60.95	60.95
G98DHA	MW-98	04/19/2000	PROFILE	210.00	210.00	70.95	70.95
G98DIA	MW-98	04/19/2000	PROFILE	220.00	220.00	80.95	80.95
G99DAA	MW-99	04/25/2000	PROFILE	140.00	140.00	5.00	5.00
G99DBA	MW-99	04/25/2000	PROFILE	150.00	150.00	15.00	15.00
G99DCA	MW-99	04/26/2000	PROFILE	160.00	160.00	25.00	25.00

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
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TABLE 2
SAMPLING PROGRESS
4/1/2000-4/30/2000

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G99DDA	MW-99	04/26/2000	PROFILE	170.00	170.00	35.00	35.00
G99DDD	MW-99	04/26/2000	PROFILE	170.00	170.00	35.00	35.00
G99DEA	MW-99	04/26/2000	PROFILE	180.00	180.00	45.00	45.00
G99DFA	MW-99	04/26/2000	PROFILE	190.00	190.00	55.00	55.00
G99DGA	MW-99	04/26/2000	PROFILE	200.00	200.00	65.00	65.00
G99DHA	MW-99	04/26/2000	PROFILE	210.00	210.00	75.00	75.00
G99DIA	MW-99	04/27/2000	PROFILE	220.00	220.00	85.00	85.00
G99DID	MW-99	04/27/2000	PROFILE	220.00	220.00	85.00	85.00
S100DCA	MW-100	04/27/2000	SOIL BORING	10.00	14.00		
S100DDA	MW-100	04/27/2000	SOIL BORING	20.00	22.00		
S100DEA	MW-100	04/27/2000	SOIL BORING	30.00	32.00		
S100DFA	MW-100	04/28/2000	SOIL BORING	40.00	42.00		
S100DGA	MW-100	04/28/2000	SOIL BORING	50.00	52.00		
S100DGD	MW-100	04/28/2000	SOIL BORING	50.00	52.00		
S101DCA	MW-101	04/26/2000	SOIL BORING	12.00	14.00		
S101DDA	MW-101	04/27/2000	SOIL BORING	20.00	22.00		
S101DEA	MW-101	04/28/2000	SOIL BORING	30.00	32.00		
S95DEA	MW-95	04/03/2000	SOIL BORING	30.00	32.00		
S95DFA	MW-95	04/03/2000	SOIL BORING	40.00	42.00		
S95DGA	MW-95	04/03/2000	SOIL BORING	50.00	52.00		
S95DGD	MW-95	04/03/2000	SOIL BORING	50.00	52.00		
S95DHA	MW-95	04/03/2000	SOIL BORING	60.00	62.00		
S95DIA	MW-95	04/03/2000	SOIL BORING	70.00	72.00		
S95DJA	MW-95	04/03/2000	SOIL BORING	80.00	82.00		
S95DKA	MW-95	04/03/2000	SOIL BORING	90.00	92.00		
S95DLA	MW-95	04/03/2000	SOIL BORING	100.00	102.00		
S95DMA	MW-95	04/03/2000	SOIL BORING	110.00	112.00		
S95DMD	MW-95	04/03/2000	SOIL BORING	110.00	112.00		
S95DNA	MW-95	04/04/2000	SOIL BORING	120.00	122.00		
S95DOA	MW-95	04/04/2000	SOIL BORING	130.00	132.00		
S96DCA	MW-96	04/07/2000	SOIL BORING	10.00	12.00		
S96DDA	MW-96	04/07/2000	SOIL BORING	20.00	22.00		
S96DEA	MW-96	04/07/2000	SOIL BORING	30.00	32.00		
S96DFA	MW-96	04/10/2000	SOIL BORING	40.00	44.00		
S96DFD	MW-96	04/10/2000	SOIL BORING	40.00	44.00		
S96DGA	MW-96	04/10/2000	SOIL BORING	50.00	52.00		
S96DHA	MW-96	04/10/2000	SOIL BORING	60.00	62.00		
S96DIA	MW-96	04/10/2000	SOIL BORING	70.00	72.00		
S96DJA	MW-96	04/10/2000	SOIL BORING	80.00	82.00		
S96DKA	MW-96	04/10/2000	SOIL BORING	90.00	92.00		
S96DLA	MW-96	04/10/2000	SOIL BORING	100.00	102.00		
S96DMA	MW-96	04/10/2000	SOIL BORING	110.00	114.00		
S96DMD	MW-96	04/10/2000	SOIL BORING	110.00	114.00		
S96DNA	MW-96	04/11/2000	SOIL BORING	120.00	120.00		
S96DOA	MW-96	04/11/2000	SOIL BORING	130.00	132.00		
S96DPA	MW-96	04/11/2000	SOIL BORING	140.00	142.00		
S97DCA	MW-97	04/11/2000	SOIL BORING	10.00	12.00		
S97DDA	MW-97	04/11/2000	SOIL BORING	20.00	22.00		
S97DEA	MW-97	04/11/2000	SOIL BORING	30.00	32.00		
S97DFA	MW-97	04/12/2000	SOIL BORING	40.00	42.00		

Profiling methods include: Volatiles and Explosives
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
Other Sample Types methods are variable
SBD = Sample Begin Depth, measured in feet bgs
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TABLE 2
SAMPLING PROGRESS
4/1/2000-4/30/2000

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
S97DGA	MW-97	04/12/2000	SOIL BORING	50.00	52.00		
S97DGD	MW-97	04/12/2000	SOIL BORING	50.00	52.00		
S97DHA	MW-97	04/12/2000	SOIL BORING	60.00	62.00		
S97DIA	MW-97	04/12/2000	SOIL BORING	70.00	72.00		
S97DJA	MW-97	04/12/2000	SOIL BORING	80.00	82.00		
S97DKA	MW-97	04/13/2000	SOIL BORING	90.00	92.00		
S97DLA	MW-97	04/13/2000	SOIL BORING	100.00	102.00		
S97DMA	MW-97	04/13/2000	SOIL BORING	110.00	112.00		
S97DMD	MW-97	04/13/2000	SOIL BORING	110.00	112.00		
S97DNA	MW-97	04/13/2000	SOIL BORING	120.00	122.00		
S98DCA	MW-98	04/14/2000	SOIL BORING	10.00	12.00		
S98DDA	MW-98	04/14/2000	SOIL BORING	20.00	22.00		
S98DEA	MW-98	04/14/2000	SOIL BORING	30.00	32.00		
S98DFA	MW-98	04/17/2000	SOIL BORING	40.00	42.00		
S98DGA	MW-98	04/17/2000	SOIL BORING	50.00	54.00		
S98DGD	MW-98	04/17/2000	SOIL BORING	50.00	54.00		
S98DHA	MW-98	04/17/2000	SOIL BORING	60.00	64.00		
S98DIA	MW-98	04/17/2000	SOIL BORING	70.00	72.00		
S98DJA	MW-98	04/17/2000	SOIL BORING	80.00	82.00		
S98DKA	MW-98	04/18/2000	SOIL BORING	92.00	94.00		
S98DLA	MW-98	04/18/2000	SOIL BORING	100.00	102.00		
S98DLD	MW-98	04/18/2000	SOIL BORING	100.00	102.00		
S98DMA	MW-98	04/18/2000	SOIL BORING	110.00	112.00		
S98DNA	MW-98	04/18/2000	SOIL BORING	120.00	122.00		
S98DOA	MW-98	04/18/2000	SOIL BORING	130.00	132.00		
S98DPA	MW-98	04/18/2000	SOIL BORING	140.00	142.00		
S99DCA	MW-99	04/24/2000	SOIL BORING	10.00	12.00		
S99DDA	MW-99	04/24/2000	SOIL BORING	20.00	22.00		
S99DEA	MW-99	04/24/2000	SOIL BORING	30.00	32.00		
S99DFA	MW-99	04/24/2000	SOIL BORING	40.00	42.00		
S99DGA	MW-99	04/25/2000	SOIL BORING	50.00	52.00		
S99DGD	MW-99	04/25/2000	SOIL BORING	50.00	52.00		
S99DHA	MW-99	04/25/2000	SOIL BORING	60.00	62.00		
S99DIA	MW-99	04/25/2000	SOIL BORING	70.00	72.00		
S99DJA	MW-99	04/25/2000	SOIL BORING	80.00	82.00		
S99DKA	MW-99	04/25/2000	SOIL BORING	90.00	92.00		
S99DLA	MW-99	04/25/2000	SOIL BORING	100.00	102.00		
S99DMA	MW-99	04/25/2000	SOIL BORING	110.00	112.00		
S99DNA	MW-99	04/25/2000	SOIL BORING	120.00	122.00		
S99DOA	MW-99	04/25/2000	SOIL BORING	130.00	132.00		
S99DOD	MW-99	04/25/2000	SOIL BORING	130.00	132.00		
S99DPA	MW-99	04/25/2000	SOIL BORING	140.00	142.00		

Profiling methods include: Volatiles and Explosives
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
Other Sample Types methods are variable
SBD = Sample Begin Depth, measured in feet bgs
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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH APRIL 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	W01SSA	9/30/1997	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	0.00	10.00	2.00	X
MW-1	W01SSD	9/30/1997	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	2/22/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.80		UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	9/7/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	0.00	10.00	2.00	X
MW-1	W01MMA	9/29/1997	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.60		UG/L	40.00	45.00	2.00	X
MW-1	W01M2A	3/1/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20		UG/L	40.00	45.00	2.00	X
MW-19	W19SSA	3/5/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	190.00		UG/L	0.00	10.00	2.00	X
MW-19	W19S2A	7/20/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	260.00		UG/L	0.00	10.00	2.00	X
MW-19	W19S2D	7/20/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	260.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	2/12/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	250.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	9/10/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	240.00		UG/L	0.00	10.00	2.00	X
MW-2	W02M2A	1/20/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	13.00		UG/L	31.00	36.00	2.00	X
MW-2	W02M2A	2/3/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.80		UG/L	31.00	36.00	2.00	X
MW-2	W02M2A	9/3/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.80		UG/L	31.00	36.00	2.00	X
MW-23	W23M1A	11/7/1997	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.30	J	UG/L	99.00	109.00	2.00	X
MW-23	W23M1A	3/18/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.40		UG/L	99.00	109.00	2.00	X
MW-23	W23M1D	3/18/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.70		UG/L	99.00	109.00	2.00	X
MW-23	W23M1A	9/13/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.10		UG/L	99.00	109.00	2.00	X

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

TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH APRIL 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	2/1/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	210.00		UG/L	14.00	19.00	2.00	X
MW-31	W31SSA	9/15/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	50.00		UG/L	14.00	19.00	2.00	X
MW-31	W31MMA	2/2/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	370.00		UG/L	29.00	39.00	2.00	X
MW-31	W31MMA	9/15/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	29.00	39.00	2.00	X
MW-31	W31SSA	7/15/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	64.00		UG/L	98.00	103.00	2.00	X
MW-31	W31MMA	7/15/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	280.00		UG/L	113.00	123.00	2.00	X
MW-34	W34M2A	2/19/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.20		UG/L	55.00	65.00	2.00	X
MW-37	W37M2A	9/29/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.90		UG/L	28.00	38.00	2.00	X
MW-38	W38M3A	5/6/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	53.00	63.00	2.00	X
MW-38	W38M3A	8/18/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.60		UG/L	53.00	63.00	2.00	X
MW-38	W38M3A	11/10/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.00		UG/L	53.00	63.00	2.00	X
MW-40	W40M1A	9/21/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.80		UG/L	15.50	25.50	2.00	X
MW-40	W40M1D	9/21/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.60		UG/L	15.50	25.50	2.00	X
MW-58	W58SSA	11/23/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.70	J	UG/L	0.00	10.00	2.00	X
MW-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			15.00	X
MW-1	W01SSA	9/7/1999	IM40MB	ANTIMONY	6.70	J	UG/L	0.00	10.00	6.00	X
MW-3	W03DDL	3/6/1998	IM40MB	ANTIMONY	13.80	J	UG/L	218.00	223.00	6.00	X
MW-34	W34M2A	8/16/1999	IM40MB	ANTIMONY	6.60	J	UG/L	55.00	65.00	6.00	X
MW-35	W35SSA	8/19/1999	IM40MB	ANTIMONY	6.90	J	UG/L	0.00	10.00	6.00	X
MW-35	W35SSD	8/19/1999	IM40MB	ANTIMONY	13.80	J	UG/L	0.00	10.00	6.00	X
MW-36	W36SSA	8/17/1999	IM40MB	ANTIMONY	6.70	J	UG/L	0.00	10.00	6.00	X
MW-38	W38SSA	8/18/1999	IM40MB	ANTIMONY	7.40		UG/L	0.00	10.00	6.00	X
MW-38	W38M3A	8/18/1999	IM40MB	ANTIMONY	6.60	J	UG/L	53.00	63.00	6.00	X
MW-38	W38DDA	8/17/1999	IM40MB	ANTIMONY	6.90	J	UG/L	125.00	135.00	6.00	X
MW-39	W39M1A	8/18/1999	IM40MB	ANTIMONY	7.50		UG/L	87.00	97.00	6.00	X

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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 APRIL 2000

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
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	W13SSA	1/27/1998	IM40MB	MOLYBDENUM	11.20		UG/L	0.00	10.00	10.00	X
MW-13	W13SSL	1/27/1998	IM40MB	MOLYBDENUM	10.40	J	UG/L	0.00	10.00	10.00	X
MW-13	W13DDA	1/26/1998	IM40MB	MOLYBDENUM	26.60		UG/L	140.00	145.00	10.00	X
MW-13	W13DDL	1/26/1998	IM40MB	MOLYBDENUM	30.40		UG/L	140.00	145.00	10.00	X
MW-13	W13DDA	3/11/1999	IM40MB	MOLYBDENUM	11.00		UG/L	140.00	145.00	10.00	X
MW-13	W13DDD	3/11/1999	IM40MB	MOLYBDENUM	12.10	J	UG/L	140.00	145.00	10.00	X
MW-13	W13DDA	9/9/1999	IM40MB	MOLYBDENUM	17.30		UG/L	140.00	145.00	10.00	X
MW-16	W16SSA	3/10/1999	IM40MB	MOLYBDENUM	21.00	J	UG/L	0.00	10.00	10.00	X
MW-16	W16DDA	3/9/1999	IM40MB	MOLYBDENUM	22.20		UG/L	222.00	227.00	10.00	X
MW-16	W16DDD	3/9/1999	IM40MB	MOLYBDENUM	23.20		UG/L	222.00	227.00	10.00	X
MW-16	W16DDA	9/9/1999	IM40MB	MOLYBDENUM	18.00	J	UG/L	222.00	227.00	10.00	X
MW-17	W17M1L	5/18/1999	IM40MB	MOLYBDENUM	12.60		UG/L	97.00	107.00	10.00	X
MW-2	W02SSA	2/23/1998	IM40MB	MOLYBDENUM	72.10		UG/L	0.00	10.00	10.00	X
MW-2	W02SSL	2/23/1998	IM40MB	MOLYBDENUM	63.30		UG/L	0.00	10.00	10.00	X
MW-2	W02SSA	2/1/1999	IM40MB	MOLYBDENUM	26.10	J	UG/L	0.00	10.00	10.00	X
MW-2	W02SSL	2/1/1999	IM40MB	MOLYBDENUM	34.00		UG/L	0.00	10.00	10.00	X
MW-2	W02SSA	9/2/1999	IM40MB	MOLYBDENUM	29.00		UG/L	0.00	10.00	10.00	X
MW-2	W02SSL	9/2/1999	IM40MB	MOLYBDENUM	27.10		UG/L	0.00	10.00	10.00	X
MW-2	W02DDA	2/2/1999	IM40MB	MOLYBDENUM	25.60		UG/L	287.00	295.00	10.00	X
MW-2	W02DDL	2/2/1999	IM40MB	MOLYBDENUM	26.30	J	UG/L	287.00	295.00	10.00	X
MW-2	W02DDA	9/3/1999	IM40MB	MOLYBDENUM	12.80		UG/L	287.00	295.00	10.00	X
MW-46	W46M2A	3/30/1999	IM40MB	MOLYBDENUM	48.90		UG/L	55.00	65.00	10.00	X
MW-46	W46M2L	3/30/1999	IM40MB	MOLYBDENUM	51.00		UG/L	55.00	65.00	10.00	X
MW-46	W46M2A	8/24/1999	IM40MB	MOLYBDENUM	17.40		UG/L	55.00	65.00	10.00	X
MW-46	W46M1A	3/29/1999	IM40MB	MOLYBDENUM	32.80		UG/L	102.00	112.00	10.00	X
MW-46	W46DDA	4/1/1999	IM40MB	MOLYBDENUM	17.20		UG/L	135.00	145.00	10.00	X
MW-47	W47M3A	3/29/1999	IM40MB	MOLYBDENUM	43.10		UG/L	21.00	31.00	10.00	X
MW-47	W47M3L	3/29/1999	IM40MB	MOLYBDENUM	40.50		UG/L	21.00	31.00	10.00	X

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1997 THROUGH APRIL 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-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	W52M3A	4/7/1999	IM40MB	MOLYBDENUM	72.60		UG/L	26.00	36.00	10.00	X
MW-52	W52M3L	4/7/1999	IM40MB	MOLYBDENUM	67.60		UG/L	26.00	36.00	10.00	X
MW-52	W52M3A	8/27/1999	IM40MB	MOLYBDENUM	23.40		UG/L	26.00	36.00	10.00	X
MW-52	W52M3L	8/27/1999	IM40MB	MOLYBDENUM	23.10		UG/L	26.00	36.00	10.00	X
MW-52	W52M3L	11/8/1999	IM40MB	MOLYBDENUM	10.50		UG/L	26.00	36.00	10.00	X
MW-52	W52M2A	4/29/1999	IM40MB	MOLYBDENUM	15.30		UG/L	74.00	84.00	10.00	X
MW-52	W52M2L	4/29/1999	IM40MB	MOLYBDENUM	18.50		UG/L	74.00	84.00	10.00	X
MW-52	W52DDL	8/30/1999	IM40MB	MOLYBDENUM	26.80		UG/L	120.00	130.00	10.00	X
MW-52	W52DDA	11/9/1999	IM40MB	MOLYBDENUM	22.70		UG/L	120.00	130.00	10.00	X
MW-52	W52DDA	4/2/1999	IM40MB	MOLYBDENUM	51.10		UG/L	219.00	229.00	10.00	X
MW-52	W52DDL	4/2/1999	IM40MB	MOLYBDENUM	48.90		UG/L	219.00	229.00	10.00	X
MW-52	W52DDA	8/30/1999	IM40MB	MOLYBDENUM	28.30		UG/L	219.00	229.00	10.00	X
MW-53	W53SSA	2/17/1999	IM40MB	MOLYBDENUM	24.90		UG/L	0.00	10.00	10.00	X
MW-53	W53SSL	2/17/1999	IM40MB	MOLYBDENUM	27.60		UG/L	0.00	10.00	10.00	X
MW-53	W53M1A	5/3/1999	IM40MB	MOLYBDENUM	122.00		UG/L	100.00	110.00	10.00	X
MW-53	W53M1L	5/3/1999	IM40MB	MOLYBDENUM	132.00		UG/L	100.00	110.00	10.00	X
MW-53	W53M1A	8/30/1999	IM40MB	MOLYBDENUM	55.20		UG/L	100.00	110.00	10.00	X
MW-53	W53M1L	8/30/1999	IM40MB	MOLYBDENUM	54.10		UG/L	100.00	110.00	10.00	X
MW-53	W53M1A	11/5/1999	IM40MB	MOLYBDENUM	41.20		UG/L	100.00	110.00	10.00	X
MW-53	W53M1L	11/5/1999	IM40MB	MOLYBDENUM	38.20		UG/L	100.00	110.00	10.00	X
MW-53	W53DDA	2/18/1999	IM40MB	MOLYBDENUM	15.90		UG/L	157.00	167.00	10.00	X
MW-53	W53DDL	2/18/1999	IM40MB	MOLYBDENUM	17.40		UG/L	157.00	167.00	10.00	X
MW-53	W53DDA	8/30/1999	IM40MB	MOLYBDENUM	11.50		UG/L	157.00	167.00	10.00	X
MW-54	W54SSA	4/30/1999	IM40MB	MOLYBDENUM	56.70		UG/L	0.00	10.00	10.00	X
MW-54	W54SSL	4/30/1999	IM40MB	MOLYBDENUM	66.20		UG/L	0.00	10.00	10.00	X
MW-54	W54SSA	8/27/1999	IM40MB	MOLYBDENUM	61.40		UG/L	0.00	10.00	10.00	X
MW-54	W54SSA	11/8/1999	IM40MB	MOLYBDENUM	25.50		UG/L	0.00	10.00	10.00	X
MW-54	W54M2A	5/4/1999	IM40MB	MOLYBDENUM	11.20		UG/L	58.00	68.00	10.00	X
MW-54	W54M2L	5/4/1999	IM40MB	MOLYBDENUM	13.10		UG/L	58.00	68.00	10.00	X

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1997 THROUGH APRIL 2000

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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	W54M2A	11/8/1999	IM40MB	MOLYBDENUM	14.50		UG/L	58.00	68.00	10.00	X
MW-54	W54M1A	4/30/1999	IM40MB	MOLYBDENUM	11.80		UG/L	80.00	90.00	10.00	X
MW-54	W54DDA	5/5/1999	IM40MB	MOLYBDENUM	17.50		UG/L	126.00	136.00	10.00	X
MW-55	W55SSA	5/17/1999	IM40MB	MOLYBDENUM	15.90		UG/L	0.00	10.00	10.00	X
MW-55	W55M2A	5/14/1999	IM40MB	MOLYBDENUM	21.80		UG/L	60.00	70.00	10.00	X
MW-55	W55M1A	5/13/1999	IM40MB	MOLYBDENUM	12.50		UG/L	90.00	100.00	10.00	X
MW-55	W55DDA	5/13/1999	IM40MB	MOLYBDENUM	22.60		UG/L	120.00	130.00	10.00	X
MW-55	W55DDA	8/30/1999	IM40MB	MOLYBDENUM	14.20		UG/L	120.00	130.00	10.00	X
MW-55	W55DDA	11/8/1999	IM40MB	MOLYBDENUM	11.00		UG/L	120.00	130.00	10.00	X
MW-57	W57SSA	12/21/1999	IM40MB	MOLYBDENUM	15.20		UG/L	0.00	10.00	10.00	X
MW-57	W57SSD	12/21/1999	IM40MB	MOLYBDENUM	16.30		UG/L	0.00	10.00	10.00	X
MW-57	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-63	W63SSA	9/21/1999	IM40MB	MOLYBDENUM	12.70		UG/L	0.00	10.00	10.00	X
MW-63	W63SSL	9/21/1999	IM40MB	MOLYBDENUM	11.10		UG/L	0.00	10.00	10.00	X
MW-7	W07M1A	9/7/1999	IM40MB	MOLYBDENUM	10.20		UG/L	67.00	72.00	10.00	X
MW-81	W81M1A	10/13/1999	IM40MB	MOLYBDENUM	24.30		UG/L	99.00	109.00	10.00	X
MW-81	W81M1L	10/13/1999	IM40MB	MOLYBDENUM	22.10		UG/L	99.00	109.00	10.00	X
MW-82	W82DDA	10/13/1999	IM40MB	MOLYBDENUM	15.40		UG/L	96.00	106.00	10.00	X
MW-82	W82DDL	10/13/1999	IM40MB	MOLYBDENUM	14.40		UG/L	96.00	106.00	10.00	X
MW-83	W83DDA	10/12/1999	IM40MB	MOLYBDENUM	13.40		UG/L	105.00	115.00	10.00	X
15MW0002	15MW0002	4/8/1999	IM40MB	SODIUM	37,600.00		UG/L	0.00	10.00	20,000.00	X
90WT0015	90WT0015	4/23/1999	IM40MB	SODIUM	34,300.00		UG/L	0.00	10.00	20,000.00	X
MW-16	W16SSA	11/17/1997	IM40MB	SODIUM	20,900.00		UG/L	0.00	10.00	20,000.00	X
MW-16	W16SSL	11/17/1997	IM40MB	SODIUM	20,400.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02SSA	2/23/1998	IM40MB	SODIUM	27,200.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02SSL	2/23/1998	IM40MB	SODIUM	26,300.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02SSA	2/1/1999	IM40MB	SODIUM	20,300.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02SSL	2/1/1999	IM40MB	SODIUM	20,100.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02DDA	11/19/1997	IM40MB	SODIUM	21,500.00		UG/L	287.00	295.00	20,000.00	X
MW-2	W02DDL	11/19/1997	IM40MB	SODIUM	22,600.00		UG/L	287.00	295.00	20,000.00	X
MW-21	W21SSA	10/24/1997	IM40MB	SODIUM	24,000.00		UG/L	0.00	10.00	20,000.00	X

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VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH APRIL 2000

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
MW-21	W21SSL	10/24/1997	IM40MB	SODIUM	24,200.00		UG/L	0.00	10.00	20,000.00	X
MW-46	W46SSA	8/25/1999	IM40MB	SODIUM	20,600.00		UG/L	0.00	10.00	20,000.00	X
MW-46	W46M2A	3/30/1999	IM40MB	SODIUM	23,300.00		UG/L	55.00	65.00	20,000.00	X
MW-46	W46M2L	3/30/1999	IM40MB	SODIUM	24,400.00		UG/L	55.00	65.00	20,000.00	X
MW-54	W54SSA	8/27/1999	IM40MB	SODIUM	33,300.00		UG/L	0.00	10.00	20,000.00	X
MW-57	W57M2A	12/21/1999	IM40MB	SODIUM	23,500.00		UG/L	60.00	70.00	20,000.00	X
MW-57	W57M1A	12/14/1999	IM40MB	SODIUM	23,700.00		UG/L	100.00	110.00	20,000.00	X
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	W19SSA	9/10/1999	IM40MB	THALLIUM	3.80	J	UG/L	0.00	10.00	2.00	X
MW-19	W19DDL	2/11/1999	IM40MB	THALLIUM	3.10	J	UG/L	251.00	256.00	2.00	X
MW-21	W21SSA	10/24/1997	IM40MB	THALLIUM	6.90	J	UG/L	0.00	10.00	2.00	X
MW-21	W21M2A	11/1/1999	IM40MB	THALLIUM	4.00	J	UG/L	58.00	68.00	2.00	X
MW-23	W23SSA	9/14/1999	IM40MB	THALLIUM	4.70	J	UG/L	0.00	10.00	2.00	X
MW-25	W25SSA	9/14/1999	IM40MB	THALLIUM	5.30	J	UG/L	0.00	10.00	2.00	X
MW-38	W38M4A	8/18/1999	IM40MB	THALLIUM	2.80	J	UG/L	15.00	25.00	2.00	X
MW-38	W38M2A	5/11/1999	IM40MB	THALLIUM	4.90	J	UG/L	70.00	80.00	2.00	X
MW-41	W41M2A	4/2/1999	IM40MB	THALLIUM	2.50	J	UG/L	69.00	79.00	2.00	X
MW-42	W42M2A	11/19/1999	IM40MB	THALLIUM	4.00	J	UG/L	119.00	129.00	2.00	X
MW-45	W45SSA	5/26/1999	IM40MB	THALLIUM	3.00	J	UG/L	0.00	10.00	2.00	X
MW-46	W46DDA	11/2/1999	IM40MB	THALLIUM	5.10	J	UG/L	135.00	145.00	2.00	X
MW-47	W47M3A	8/25/1999	IM40MB	THALLIUM	3.20	J	UG/L	21.00	31.00	2.00	X
MW-47	W47M2A	3/26/1999	IM40MB	THALLIUM	3.20	J	UG/L	38.00	48.00	2.00	X
MW-47	W47M2A	8/25/1999	IM40MB	THALLIUM	4.00	J	UG/L	38.00	48.00	2.00	X

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

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
MW-47	W47M1A	8/24/1999	IM40MB	THALLIUM	2.60	J	UG/L	75.00	85.00	2.00	X
MW-49	W49SSA	11/19/1999	IM40MB	THALLIUM	4.70	J	UG/L	0.00	10.00	2.00	X
MW-51	W51M3A	8/25/1999	IM40MB	THALLIUM	4.30	J	UG/L	29.00	39.00	2.00	X
MW-52	W52SSA	8/26/1999	IM40MB	THALLIUM	3.60	J	UG/L	0.00	10.00	2.00	X
MW-52	W52SSA	11/18/1999	IM40MB	THALLIUM	4.30	J	UG/L	0.00	10.00	2.00	X
MW-52	W52M3L	4/7/1999	IM40MB	THALLIUM	3.60	J	UG/L	26.00	36.00	2.00	X
MW-52	W52DDA	4/2/1999	IM40MB	THALLIUM	2.80	J	UG/L	219.00	229.00	2.00	X
MW-52	W52DDL	4/2/1999	IM40MB	THALLIUM	2.60	J	UG/L	219.00	229.00	2.00	X
MW-52	W52DDA	8/30/1999	IM40MB	THALLIUM	3.80	J	UG/L	219.00	229.00	2.00	X
MW-53	W53M1A	11/5/1999	IM40MB	THALLIUM	3.40	J	UG/L	100.00	110.00	2.00	X
MW-54	W54SSA	11/8/1999	IM40MB	THALLIUM	7.40	J	UG/L	0.00	10.00	2.00	X
MW-54	W54M1A	8/30/1999	IM40MB	THALLIUM	2.80	J	UG/L	80.00	90.00	2.00	X
MW-54	W54M1A	11/5/1999	IM40MB	THALLIUM	3.90	J	UG/L	80.00	90.00	2.00	X
MW-55	W55M1A	8/31/1999	IM40MB	THALLIUM	2.50	J	UG/L	90.00	100.00	2.00	X
MW-64	W64M1A	2/7/00	IM40MB	THALLIUM	4.10	J	UG/L	37.00	47.00	2.00	X
MW-7	W07MMA	2/23/1999	IM40MB	THALLIUM	4.10	J	UG/L	67.00	72.00	2.00	X
MW-7	W07M1A	9/7/1999	IM40MB	THALLIUM	26.20		UG/L	67.00	72.00	2.00	X
MW-7	W07M1D	9/7/1999	IM40MB	THALLIUM	12.70		UG/L	67.00	72.00	2.00	X
MW-7	W07M2L	2/5/1998	IM40MB	THALLIUM	6.60	J	UG/L	137.00	142.00	2.00	X
MW-7	W07M2A	2/24/1999	IM40MB	THALLIUM	4.40	J	UG/L	137.00	142.00	2.00	X
MW-72	W72SSA	5/27/1999	IM40MB	THALLIUM	4.00		UG/L	0.00	10.00	2.00	X
MW-84	W84SSA	10/21/1999	IM40MB	THALLIUM	3.20	J	UG/L	0.00	10.00	2.00	X
PPAWSMW-1	PPAWSMW-1	6/22/1999	IM40MB	THALLIUM	3.10	J	UG/L	10.00	20.00	2.00	X
SMR-2	WSMR2A	3/25/1999	IM40MB	THALLIUM	2.00	J	UG/L	0.00	10.00	2.00	X
95-14	W9514A	9/28/1999	IM40MB	ZINC	2,430.00		UG/L	90.00	120.00	2,000.00	X
95-15	W9515A	10/17/1997	IM40MB	ZINC	7,210.00		UG/L	80.00	92.00	2,000.00	X
95-15	W9515L	10/17/1997	IM40MB	ZINC	4,620.00		UG/L	80.00	92.00	2,000.00	X
LRWS3-1	WL31XA	10/21/1997	IM40MB	ZINC	2,480.00		UG/L	102.00	117.00	2,000.00	X
LRWS3-1	WL31XL	10/21/1997	IM40MB	ZINC	2,410.00		UG/L	102.00	117.00	2,000.00	X
LRWS4-1	WL41XA	11/24/1997	IM40MB	ZINC	3,220.00		UG/L	66.00	91.00	2,000.00	X
LRWS4-1	WL41XL	11/24/1997	IM40MB	ZINC	3,060.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51DL	11/25/1997	IM40MB	ZINC	4,410.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51XA	11/25/1997	IM40MB	ZINC	4,510.00		UG/L	187.00	202.00	2,000.00	X
LRWS5-1	WL51XD	11/25/1997	IM40MB	ZINC	4,390.00		UG/L	187.00	202.00	2,000.00	X
LRWS5-1	WL51XL	11/25/1997	IM40MB	ZINC	3,900.00		UG/L	187.00	202.00	2,000.00	X

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

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1997 THROUGH APRIL 2000

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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	108.00	113.00	6.00	X
MW-17	W17SSD	11/10/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	120.00	J	UG/L	0.00	10.00	6.00	X
MW-17	W17DDA	11/11/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	42.00		UG/L	197.00	207.00	6.00	X
MW-18	W18SSA	10/10/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	36.00		UG/L	0.00	10.00	6.00	X
MW-18	W18DDA	9/10/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	11.00		UG/L	223.00	233.00	6.00	X
MW-19	W19DDA	3/4/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00		UG/L	251.00	256.00	6.00	X
MW-2	W02M2A	1/20/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	24.00		UG/L	31.00	36.00	6.00	X
MW-2	W02M1A	1/21/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	10.00	J	UG/L	73.00	78.00	6.00	X
MW-2	W02DDA	2/2/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00		UG/L	287.00	295.00	6.00	X
MW-20	W20SSA	11/7/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	280.00		UG/L	0.00	10.00	6.00	X
MW-21	W21M2A	4/1/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	58.00	68.00	6.00	X
MW-22	W22SSA	11/24/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	96.00		UG/L	0.00	10.00	6.00	X
MW-22	W22SSA	9/20/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	18.00		UG/L	0.00	10.00	6.00	X
MW-23	W23SSA	10/27/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	24.00		UG/L	0.00	10.00	6.00	X
MW-23	W23M3A	11/13/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	10.00		UG/L	153.00	163.00	6.00	X
MW-23	W23M3D	11/13/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	13.00		UG/L	153.00	163.00	6.00	X
MW-24	W24SSA	11/14/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	0.00	10.00	6.00	X
MW-27	W27SSA	9/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00		UG/L	0.00	10.00	6.00	X
MW-28	W28SSA	11/3/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	11.00		UG/L	0.00	10.00	6.00	X
MW-28	W28SSA	9/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	150.00	J	UG/L	0.00	10.00	6.00	X
MW-29	W29SSA	11/3/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	16.00		UG/L	0.00	10.00	6.00	X
MW-29	W29SSA	9/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	20.00		UG/L	0.00	10.00	6.00	X

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MCL/HA = EITHER THE MCL OR LOWEST HEALTH ADVISORY CONCENTRATION (CHILD, ADULT OR LIFETIME)
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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH APRIL 2000

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
MW-36	W36M2A	8/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	59.00	69.00	6.00	X
MW-38	W38M3A	5/6/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	15.00		UG/L	53.00	63.00	6.00	X
MW-4	W04SSA	11/4/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	30.00		UG/L	0.00	10.00	6.00	X
MW-41	W41M2A	11/12/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00		UG/L	119.00	129.00	6.00	X
MW-43	W43M1A	5/26/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	6.00		UG/L	93.00	103.00	6.00	X
MW-44	W44M1A	9/20/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	14.00		UG/L	55.00	65.00	6.00	X
MW-45	W45M1A	5/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	37.00		UG/L	98.00	108.00	6.00	X
MW-46	W46M1A	11/1/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	6.00	J	UG/L	102.00	112.00	6.00	X
MW-46	W46DDA	11/2/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	14.00	J	UG/L	135.00	145.00	6.00	X
MW-47	W47M1A	8/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	14.00		UG/L	75.00	85.00	6.00	X
MW-47	W47DDA	8/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	16.00		UG/L	100.00	110.00	6.00	X
MW-5	W05DDA	2/13/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00	J	UG/L	220.00	225.00	6.00	X
MW-52	W52M3A	8/27/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00	J	UG/L	26.00	36.00	6.00	X
MW-53	W53M1A	8/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	31.00		UG/L	100.00	110.00	6.00	X
MW-53	W53DDA	2/18/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	18.00		UG/L	157.00	167.00	6.00	X
MW-55	W55DDA	5/13/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	120.00	130.00	6.00	X
MW-57	W57SSA	12/21/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	3,300.00	J	UG/L	0.00	10.00	6.00	X
MW-57	W57DDA	12/13/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	95.00		UG/L	125.00	135.00	6.00	X
MW-7	W07SSA	10/31/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	10.00		UG/L	0.00	10.00	6.00	X
MW-70	W70M1A	10/27/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	10.00		UG/L	130.00	140.00	6.00	X
RW-1	WRW1XA	2/18/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	59.00		UG/L	0.00	9.00	6.00	X
RW-1	WRW1XD	10/6/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	11.00	J	UG/L	0.00	9.00	6.00	X
90MW0003	WF03MA	10/7/1999	OC21B	NAPHTHALENE	33.00		UG/L	60.00	65.00	20.00	X
MW-45	W45SSA	5/26/1999	OC21B	NAPHTHALENE	24.00		UG/L	0.00	10.00	20.00	X
MW-45	W45SSA	11/16/1999	OC21B	NAPHTHALENE	27.00		UG/L	0.00	10.00	20.00	X
90MW0003	WF03MA	10/7/1999	OC21V	1,2-DICHLOROETHANE	5.00		UG/L	60.00	65.00	5.00	X
03MW0007A	03MW0007A	4/13/1999	OC21V	TETRACHLOROETHYLENE(P	6.00		UG/L	21.00	26.00	5.00	X
03MW0014A	03MW0014A	4/13/1999	OC21V	TETRACHLOROETHYLENE(P	8.00		UG/L	38.00	43.00	5.00	X
03MW0020	03MW0020	4/14/1999	OC21V	TETRACHLOROETHYLENE(P	12.00		UG/L	36.00	41.00	5.00	X
MW-45	W45SSA	11/16/1999	OC21V	TOLUENE	1,000.00		UG/L	0.00	10.00	1,000.00	X
27MW0017B	27MW0017B	4/30/1999	OC21V	VINYL CHLORIDE	2.00		UG/L	21.00	26.00	2.00	X
PPAWSMW-1	PPAWSMW-1	6/22/1999	OL21P	DIELDRIN	3.00		UG/L	10.00	20.00	0.50	X

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

TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 3/16/00-04/28/00

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
HCJ2M7LAWE	HCJ2M7LAWE	03/31/2000	CRATER GRAB	0.00	0.25			8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G94DHE	FIELDQC	04/04/2000	FIELDQC	0.00	0.00			OC21V	ACETONE	
W37M2A	MW-37	03/27/2000	GROUNDWATER	145.00	155.00	23.00	33.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W40M1A	MW-40	04/14/2000	GROUNDWATER	132.50	142.50	11.53	21.53	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W44SSA	MW-44	04/13/2000	GROUNDWATER	123.00	133.00	-6.60	3.40	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
G91DJA	MW-91	03/22/2000	PROFILE	205.00	205.00	79.20	79.20	8330N	1,3,5-TRINITROBENZENE	NO
G94DAA	MW-94	03/31/2000	PROFILE	130.00	132.00	4.20	6.20	8330N	1,3,5-TRINITROBENZENE	NO
G94DAA	MW-94	03/31/2000	PROFILE	130.00	132.00	4.20	6.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G94DAA	MW-94	03/31/2000	PROFILE	130.00	132.00	4.20	6.20	8330N	NITROGLYCERIN	NO
G94DBA	MW-94	04/03/2000	PROFILE	140.00	140.00	14.20	14.20	8330N	1,3,5-TRINITROBENZENE	NO
G94DBA	MW-94	04/03/2000	PROFILE	140.00	140.00	14.20	14.20	8330N	2,6-DINITROTOLUENE	YES
G94DBA	MW-94	04/03/2000	PROFILE	140.00	140.00	14.20	14.20	8330N	2-AMINO-4,6-DINITROTOLUENE	YES
G94DBA	MW-94	04/03/2000	PROFILE	140.00	140.00	14.20	14.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G94DBA	MW-94	04/03/2000	PROFILE	140.00	140.00	14.20	14.20	8330N	NITROGLYCERIN	NO
G94DBA	MW-94	04/03/2000	PROFILE	140.00	140.00	14.20	14.20	8330N	PENTAERYTHRITOL TETRANITR	NO
G94DBA	MW-94	04/03/2000	PROFILE	140.00	140.00	14.20	14.20	8330N	PICRIC ACID	NO
G94DBA	MW-94	04/03/2000	PROFILE	140.00	140.00	14.20	14.20	OC21V	2-HEXANONE	
G94DBA	MW-94	04/03/2000	PROFILE	140.00	140.00	14.20	14.20	OC21V	ACETONE	
G94DBA	MW-94	04/03/2000	PROFILE	140.00	140.00	14.20	14.20	OC21V	METHYL ETHYL KETONE (2-BUT	
G94DCA	MW-94	04/03/2000	PROFILE	150.00	150.00	24.20	24.20	8330N	1,3,5-TRINITROBENZENE	NO
G94DCA	MW-94	04/03/2000	PROFILE	150.00	150.00	24.20	24.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G94DCA	MW-94	04/03/2000	PROFILE	150.00	150.00	24.20	24.20	8330N	NITROGLYCERIN	NO
G94DCA	MW-94	04/03/2000	PROFILE	150.00	150.00	24.20	24.20	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G94DCA	MW-94	04/03/2000	PROFILE	150.00	150.00	24.20	24.20	OC21V	ACETONE	
G94DCA	MW-94	04/03/2000	PROFILE	150.00	150.00	24.20	24.20	OC21V	METHYL ETHYL KETONE (2-BUT	
G94DDA	MW-94	04/03/2000	PROFILE	160.00	160.00	34.20	34.20	8330N	1,3,5-TRINITROBENZENE	NO
G94DDA	MW-94	04/03/2000	PROFILE	160.00	160.00	34.20	34.20	8330N	NITROGLYCERIN	NO
G94DDA	MW-94	04/03/2000	PROFILE	160.00	160.00	34.20	34.20	8330N	PENTAERYTHRITOL TETRANITR	NO
G94DDA	MW-94	04/03/2000	PROFILE	160.00	160.00	34.20	34.20	OC21V	ACETONE	
G94DDA	MW-94	04/03/2000	PROFILE	160.00	160.00	34.20	34.20	OC21V	METHYL ETHYL KETONE (2-BUT	
G94DEA	MW-94	04/03/2000	PROFILE	170.00	170.00	44.20	44.20	8330N	1,3,5-TRINITROBENZENE	NO
G94DEA	MW-94	04/03/2000	PROFILE	170.00	170.00	44.20	44.20	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G94DEA	MW-94	04/03/2000	PROFILE	170.00	170.00	44.20	44.20	8330N	NITROGLYCERIN	NO

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TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 3/16/00-04/28/00

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G94DEA	MW-94	04/03/2000	PROFILE	170.00	170.00	44.20	44.20	OC21V	ACETONE	
G94DEA	MW-94	04/03/2000	PROFILE	170.00	170.00	44.20	44.20	OC21V	CHLOROFORM	
G94DEA	MW-94	04/03/2000	PROFILE	170.00	170.00	44.20	44.20	OC21V	TOLUENE	
G94DED	MW-94	04/03/2000	PROFILE	170.00	170.00	44.20	44.20	8330N	1,3,5-TRINITROBENZENE	NO
G94DED	MW-94	04/03/2000	PROFILE	170.00	170.00	44.20	44.20	8330N	NITROGLYCERIN	NO
G94DED	MW-94	04/03/2000	PROFILE	170.00	170.00	44.20	44.20	OC21V	ACETONE	
G94DED	MW-94	04/03/2000	PROFILE	170.00	170.00	44.20	44.20	OC21V	CHLOROFORM	
G94DED	MW-94	04/03/2000	PROFILE	170.00	170.00	44.20	44.20	OC21V	METHYL ETHYL KETONE (2-BUT.	
G94DED	MW-94	04/03/2000	PROFILE	170.00	170.00	44.20	44.20	OC21V	TOLUENE	
G94DFA	MW-94	04/03/2000	PROFILE	180.00	180.00	54.20	54.20	8330N	NITROGLYCERIN	NO
G94DFA	MW-94	04/03/2000	PROFILE	180.00	180.00	54.20	54.20	OC21V	ACETONE	
G94DFA	MW-94	04/03/2000	PROFILE	180.00	180.00	54.20	54.20	OC21V	CHLOROFORM	
G94DGA	MW-94	04/03/2000	PROFILE	190.00	190.00	64.20	64.20	OC21V	ACETONE	
G94DGA	MW-94	04/03/2000	PROFILE	190.00	190.00	64.20	64.20	OC21V	CHLOROFORM	
G94DGA	MW-94	04/03/2000	PROFILE	190.00	190.00	64.20	64.20	OC21V	TOLUENE	
G94DHA	MW-94	04/04/2000	PROFILE	200.00	200.00	74.20	74.20	8330N	1,3,5-TRINITROBENZENE	NO
G94DHA	MW-94	04/04/2000	PROFILE	200.00	200.00	74.20	74.20	OC21V	ACETONE	
G94DHA	MW-94	04/04/2000	PROFILE	200.00	200.00	74.20	74.20	OC21V	METHYL ETHYL KETONE (2-BUT.	
G94DJA	MW-94	04/04/2000	PROFILE	220.00	220.00	94.20	94.20	8330N	1,3,5-TRINITROBENZENE	NO
G94DJA	MW-94	04/04/2000	PROFILE	220.00	220.00	94.20	94.20	8330N	1,3-DINITROBENZENE	NO
G94DJA	MW-94	04/04/2000	PROFILE	220.00	220.00	94.20	94.20	8330N	NITROGLYCERIN	NO
G94DJA	MW-94	04/04/2000	PROFILE	220.00	220.00	94.20	94.20	OC21V	ACETONE	
G94DJA	MW-94	04/04/2000	PROFILE	220.00	220.00	94.20	94.20	OC21V	CHLOROMETHANE	
G94DJA	MW-94	04/04/2000	PROFILE	220.00	220.00	94.20	94.20	OC21V	METHYL ETHYL KETONE (2-BUT.	
G94DKA	MW-94	04/04/2000	PROFILE	230.00	230.00	104.20	104.20	8330N	NITROGLYCERIN	NO
G94DKA	MW-94	04/04/2000	PROFILE	230.00	230.00	104.20	104.20	OC21V	ACETONE	
G94DKA	MW-94	04/04/2000	PROFILE	230.00	230.00	104.20	104.20	OC21V	CHLOROFORM	
G95DAA	MW-95	04/04/2000	PROFILE	130.00	130.00	2.77	2.77	8330N	1,3,5-TRINITROBENZENE	NO
G95DAA	MW-95	04/04/2000	PROFILE	130.00	130.00	2.77	2.77	8330N	2,4-DINITROTOLUENE	NO
G95DAA	MW-95	04/04/2000	PROFILE	130.00	130.00	2.77	2.77	8330N	2,6-DINITROTOLUENE	NO
G95DAA	MW-95	04/04/2000	PROFILE	130.00	130.00	2.77	2.77	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G95DAA	MW-95	04/04/2000	PROFILE	130.00	130.00	2.77	2.77	8330N	2-NITROTOLUENE	NO
G95DAA	MW-95	04/04/2000	PROFILE	130.00	130.00	2.77	2.77	8330N	3-NITROTOLUENE	NO

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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G95DAA	MW-95	04/04/2000	PROFILE	130.00	L30.00	2.77	2.77	8330N	4-NITROTOLUENE	NO
G95DAA	MW-95	04/04/2000	PROFILE	130.00	L30.00	2.77	2.77	8330N	NITROGLYCERIN	NO
G95DAA	MW-95	04/04/2000	PROFILE	130.00	L30.00	2.77	2.77	8330N	PENTAERYTHRITOL TETRANITR	NO
G95DBA	MW-95	04/04/2000	PROFILE	140.00	L40.00	12.77	12.77	8330N	1,3,5-TRINITROBENZENE	NO
G95DBA	MW-95	04/04/2000	PROFILE	140.00	L40.00	12.77	12.77	8330N	1,3-DINITROBENZENE	NO
G95DBA	MW-95	04/04/2000	PROFILE	140.00	L40.00	12.77	12.77	8330N	2,4-DINITROTOLUENE	NO
G95DBA	MW-95	04/04/2000	PROFILE	140.00	L40.00	12.77	12.77	8330N	2,6-DINITROTOLUENE	NO
G95DBA	MW-95	04/04/2000	PROFILE	140.00	L40.00	12.77	12.77	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G95DBA	MW-95	04/04/2000	PROFILE	140.00	L40.00	12.77	12.77	8330N	2-NITROTOLUENE	NO
G95DBA	MW-95	04/04/2000	PROFILE	140.00	L40.00	12.77	12.77	8330N	3-NITROTOLUENE	NO
G95DBA	MW-95	04/04/2000	PROFILE	140.00	L40.00	12.77	12.77	8330N	4-NITROTOLUENE	NO
G95DBA	MW-95	04/04/2000	PROFILE	140.00	L40.00	12.77	12.77	8330N	NITROGLYCERIN	NO
G95DCA	MW-95	04/04/2000	PROFILE	150.00	L50.00	22.77	22.77	8330N	1,3,5-TRINITROBENZENE	NO
G95DCA	MW-95	04/04/2000	PROFILE	150.00	L50.00	22.77	22.77	8330N	1,3-DINITROBENZENE	NO
G95DCA	MW-95	04/04/2000	PROFILE	150.00	L50.00	22.77	22.77	8330N	2,4-DINITROTOLUENE	NO
G95DCA	MW-95	04/04/2000	PROFILE	150.00	L50.00	22.77	22.77	8330N	3-NITROTOLUENE	NO
G95DCA	MW-95	04/04/2000	PROFILE	150.00	L50.00	22.77	22.77	8330N	4-NITROTOLUENE	NO
G95DCA	MW-95	04/04/2000	PROFILE	150.00	L50.00	22.77	22.77	8330N	NITROGLYCERIN	NO
G95DDA	MW-95	04/04/2000	PROFILE	160.00	L60.00	32.77	32.77	8330N	1,3,5-TRINITROBENZENE	NO
G95DDA	MW-95	04/04/2000	PROFILE	160.00	L60.00	32.77	32.77	8330N	3-NITROTOLUENE	NO
G95DDA	MW-95	04/04/2000	PROFILE	160.00	L60.00	32.77	32.77	8330N	4-NITROTOLUENE	NO
G95DDA	MW-95	04/04/2000	PROFILE	160.00	L60.00	32.77	32.77	8330N	NITROGLYCERIN	NO
G95DEA	MW-95	04/04/2000	PROFILE	170.00	L70.00	42.77	42.77	8330N	1,3,5-TRINITROBENZENE	NO
G95DEA	MW-95	04/04/2000	PROFILE	170.00	L70.00	42.77	42.77	8330N	3-NITROTOLUENE	NO
G95DEA	MW-95	04/04/2000	PROFILE	170.00	L70.00	42.77	42.77	8330N	4-NITROTOLUENE	NO
G95DEA	MW-95	04/04/2000	PROFILE	170.00	L70.00	42.77	42.77	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G95DEA	MW-95	04/04/2000	PROFILE	170.00	L70.00	42.77	42.77	8330N	NITROGLYCERIN	NO
G95DEA	MW-95	04/04/2000	PROFILE	170.00	L70.00	42.77	42.77	8330N	PENTAERYTHRITOL TETRANITR	NO
G95DED	MW-95	04/04/2000	PROFILE	170.00	L70.00	42.77	42.77	8330N	1,3,5-TRINITROBENZENE	NO
G95DED	MW-95	04/04/2000	PROFILE	170.00	L70.00	42.77	42.77	8330N	3-NITROTOLUENE	NO
G95DED	MW-95	04/04/2000	PROFILE	170.00	L70.00	42.77	42.77	8330N	4-NITROTOLUENE	NO
G95DED	MW-95	04/04/2000	PROFILE	170.00	L70.00	42.77	42.77	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G95DED	MW-95	04/04/2000	PROFILE	170.00	L70.00	42.77	42.77	8330N	NITROGLYCERIN	NO

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

TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 3/16/00-04/28/00

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G95DFA	MW-95	04/05/2000	PROFILE	180.00	180.00	52.77	52.77	8330N	NITROGLYCERIN	NO
G95DFA	MW-95	04/05/2000	PROFILE	180.00	180.00	52.77	52.77	8330N	PENTAERYTHRITOL TETRANITR	NO
G95DGA	MW-95	04/05/2000	PROFILE	190.00	190.00	62.77	62.77	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G95DGA	MW-95	04/05/2000	PROFILE	190.00	190.00	62.77	62.77	8330N	NITROGLYCERIN	NO
G95DGA	MW-95	04/05/2000	PROFILE	190.00	190.00	62.77	62.77	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G95DHA	MW-95	04/05/2000	PROFILE	200.00	200.00	72.77	72.77	8330N	1,3,5-TRINITROBENZENE	NO
G95DHA	MW-95	04/05/2000	PROFILE	200.00	200.00	72.77	72.77	8330N	3-NITROTOLUENE	NO
G95DHA	MW-95	04/05/2000	PROFILE	200.00	200.00	72.77	72.77	8330N	4-NITROTOLUENE	NO
G95DHA	MW-95	04/05/2000	PROFILE	200.00	200.00	72.77	72.77	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G95DHA	MW-95	04/05/2000	PROFILE	200.00	200.00	72.77	72.77	8330N	NITROGLYCERIN	NO
G95DHD	MW-95	04/05/2000	PROFILE	200.00	200.00	72.77	72.77	8330N	1,3,5-TRINITROBENZENE	NO
G95DHD	MW-95	04/05/2000	PROFILE	200.00	200.00	72.77	72.77	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G95DHD	MW-95	04/05/2000	PROFILE	200.00	200.00	72.77	72.77	8330N	NITROGLYCERIN	NO
G95DIA	MW-95	04/05/2000	PROFILE	210.00	210.00	82.77	82.77	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G95DIA	MW-95	04/05/2000	PROFILE	210.00	210.00	82.77	82.77	8330N	NITROGLYCERIN	NO
G95DJA	MW-95	04/05/2000	PROFILE	220.00	220.00	92.77	92.77	8330N	NITROGLYCERIN	NO
G95DKA	MW-95	04/05/2000	PROFILE	230.00	230.00	102.77	102.77	8330N	NITROGLYCERIN	NO
G96DAA	MW-96	04/11/2000	PROFILE	140.00	140.00	4.40	4.40	8330N	1,3,5-TRINITROBENZENE	NO
G96DAA	MW-96	04/11/2000	PROFILE	140.00	140.00	4.40	4.40	8330N	2,4,6-TRINITROTOLUENE	NO
G96DAA	MW-96	04/11/2000	PROFILE	140.00	140.00	4.40	4.40	8330N	2,4-DINITROTOLUENE	NO
G96DAA	MW-96	04/11/2000	PROFILE	140.00	140.00	4.40	4.40	8330N	2-NITROTOLUENE	NO
G96DAA	MW-96	04/11/2000	PROFILE	140.00	140.00	4.40	4.40	8330N	3-NITROTOLUENE	NO
G96DAA	MW-96	04/11/2000	PROFILE	140.00	140.00	4.40	4.40	8330N	4-NITROTOLUENE	NO
G96DAA	MW-96	04/11/2000	PROFILE	140.00	140.00	4.40	4.40	8330N	NITROGLYCERIN	NO
G96DAA	MW-96	04/11/2000	PROFILE	140.00	140.00	4.40	4.40	8330N	PICRIC ACID	NO
G96DBA	MW-96	04/11/2000	PROFILE	150.00	150.00	14.40	14.40	8330N	1,3,5-TRINITROBENZENE	NO
G96DBA	MW-96	04/11/2000	PROFILE	150.00	150.00	14.40	14.40	8330N	2,4-DINITROTOLUENE	NO
G96DBA	MW-96	04/11/2000	PROFILE	150.00	150.00	14.40	14.40	8330N	3-NITROTOLUENE	NO
G96DBA	MW-96	04/11/2000	PROFILE	150.00	150.00	14.40	14.40	8330N	NITROGLYCERIN	NO
G96DBA	MW-96	04/11/2000	PROFILE	150.00	150.00	14.40	14.40	8330N	PICRIC ACID	NO
G96DCA	MW-96	04/12/2000	PROFILE	160.00	160.00	24.40	24.40	8330N	1,3,5-TRINITROBENZENE	NO
G96DCA	MW-96	04/12/2000	PROFILE	160.00	160.00	24.40	24.40	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G96DCA	MW-96	04/12/2000	PROFILE	160.00	160.00	24.40	24.40	8330N	NITROGLYCERIN	NO

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PDA/NO = Photo Diode Array, Detect Not Confirmed

TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 3/16/00-04/28/00

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G96DDA	MW-96	04/12/2000	PROFILE	170.00	170.00	34.40	34.40	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G96DDA	MW-96	04/12/2000	PROFILE	170.00	170.00	34.40	34.40	8330N	NITROGLYCERIN	NO
G96DEA	MW-96	04/12/2000	PROFILE	180.00	180.00	44.40	44.40	8330N	NITROGLYCERIN	NO
G96DED	MW-96	04/12/2000	PROFILE	180.00	180.00	44.40	44.40	8330N	1,3,5-TRINITROBENZENE	NO
G96DED	MW-96	04/12/2000	PROFILE	180.00	180.00	44.40	44.40	8330N	NITROGLYCERIN	NO
G96DFA	MW-96	04/12/2000	PROFILE	190.00	190.00	54.40	54.40	8330N	NITROGLYCERIN	NO
G96DGA	MW-96	04/12/2000	PROFILE	200.00	200.00	64.40	64.40	8330N	NITROGLYCERIN	NO
G96DHA	MW-96	04/12/2000	PROFILE	210.00	210.00	74.40	74.40	8330N	NITROGLYCERIN	NO
G96DIA	MW-96	04/13/2000	PROFILE	220.00	220.00	84.40	84.40	8330N	NITROGLYCERIN	NO
G96DIA	MW-96	04/13/2000	PROFILE	220.00	220.00	84.40	84.40	8330N	PICRIC ACID	NO
G96DID	MW-96	04/13/2000	PROFILE	220.00	220.00	84.40	84.40	8330N	1,3,5-TRINITROBENZENE	NO
G96DID	MW-96	04/13/2000	PROFILE	220.00	220.00	84.40	84.40	8330N	NITROGLYCERIN	NO
G96DID	MW-96	04/13/2000	PROFILE	220.00	220.00	84.40	84.40	8330N	PICRIC ACID	NO
G97DAA	MW-97	04/13/2000	PROFILE	125.00	125.00	0.30	0.30	8330N	1,3,5-TRINITROBENZENE	NO
G97DAA	MW-97	04/13/2000	PROFILE	125.00	125.00	0.30	0.30	8330N	NITROGLYCERIN	NO
G97DBA	MW-97	04/17/2000	PROFILE	130.00	130.00	5.00	5.00	8330N	NITROGLYCERIN	NO
G97DDA	MW-97	04/17/2000	PROFILE	150.00	150.00	25.00	25.00	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G98DAA	MW-98	04/18/2000	PROFILE	145.00	145.00	5.95	5.95	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G98DBA	MW-98	04/19/2000	PROFILE	150.00	150.00	10.95	10.95	8330N	2,6-DINITROTOLUENE	NO
G98DBA	MW-98	04/19/2000	PROFILE	150.00	150.00	10.95	10.95	8330N	3-NITROTOLUENE	NO
G98DBA	MW-98	04/19/2000	PROFILE	150.00	150.00	10.95	10.95	8330N	4-NITROTOLUENE	NO
G98DBA	MW-98	04/19/2000	PROFILE	150.00	150.00	10.95	10.95	8330N	NITROGLYCERIN	NO
G98DBA	MW-98	04/19/2000	PROFILE	150.00	150.00	10.95	10.95	8330N	PENTAERYTHRITOL TETRANITR	NO
G98DBA	MW-98	04/19/2000	PROFILE	150.00	150.00	10.95	10.95	8330N	PICRIC ACID	NO
G98DBA	MW-98	04/19/2000	PROFILE	150.00	150.00	10.95	10.95	8330N	TETRYL	NO
G98DCA	MW-98	04/19/2000	PROFILE	160.00	160.00	20.95	20.95	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G98DCA	MW-98	04/19/2000	PROFILE	160.00	160.00	20.95	20.95	8330N	2,6-DINITROTOLUENE	NO
G98DCA	MW-98	04/19/2000	PROFILE	160.00	160.00	20.95	20.95	8330N	2-NITROTOLUENE	NO
G98DCA	MW-98	04/19/2000	PROFILE	160.00	160.00	20.95	20.95	8330N	3-NITROTOLUENE	NO
G98DCA	MW-98	04/19/2000	PROFILE	160.00	160.00	20.95	20.95	8330N	4-NITROTOLUENE	NO
G98DCA	MW-98	04/19/2000	PROFILE	160.00	160.00	20.95	20.95	8330N	NITROGLYCERIN	NO
G98DCA	MW-98	04/19/2000	PROFILE	160.00	160.00	20.95	20.95	8330N	PENTAERYTHRITOL TETRANITR	NO
G98DCA	MW-98	04/19/2000	PROFILE	160.00	160.00	20.95	20.95	8330N	TETRYL	NO

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PDA/NO = Photo Diode Array, Detect Not Confirmed

TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 3/16/00-04/28/00

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G98DDA	MW-98	04/19/2000	PROFILE	170.00	170.00	30.95	30.95	8330N	2,6-DINITROTOLUENE	NO
G98DEA	MW-98	04/19/2000	PROFILE	180.00	180.00	40.95	40.95	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G98DEA	MW-98	04/19/2000	PROFILE	180.00	180.00	40.95	40.95	8330N	2,6-DINITROTOLUENE	NO
G98DEA	MW-98	04/19/2000	PROFILE	180.00	180.00	40.95	40.95	8330N	NITROGLYCERIN	NO
G98DEA	MW-98	04/19/2000	PROFILE	180.00	180.00	40.95	40.95	8330N	PENTAERYTHRITOL TETRANITR	NO
G98DEA	MW-98	04/19/2000	PROFILE	180.00	180.00	40.95	40.95	8330N	TETRYL	NO
G98DFA	MW-98	04/19/2000	PROFILE	190.00	190.00	50.95	50.95	8330N	NITROGLYCERIN	NO
G98DFA	MW-98	04/19/2000	PROFILE	190.00	190.00	50.95	50.95	8330N	PENTAERYTHRITOL TETRANITR	NO
G98DGA	MW-98	04/19/2000	PROFILE	200.00	200.00	60.95	60.95	8330N	NITROGLYCERIN	NO
G98DGA	MW-98	04/19/2000	PROFILE	200.00	200.00	60.95	60.95	8330N	PENTAERYTHRITOL TETRANITR	NO
G98DHA	MW-98	04/19/2000	PROFILE	210.00	210.00	70.95	70.95	8330N	NITROGLYCERIN	NO
G98DHA	MW-98	04/19/2000	PROFILE	210.00	210.00	70.95	70.95	8330N	PENTAERYTHRITOL TETRANITR	NO
G98DIA	MW-98	04/19/2000	PROFILE	220.00	220.00	80.95	80.95	8330N	NITROGLYCERIN	NO
G98DIA	MW-98	04/19/2000	PROFILE	220.00	220.00	80.95	80.95	8330N	PENTAERYTHRITOL TETRANITR	NO
G99DAA	MW-99	04/25/2000	PROFILE	140.00	140.00	5.00	5.00	8330N	2,6-DINITROTOLUENE	NO
G99DAA	MW-99	04/25/2000	PROFILE	140.00	140.00	5.00	5.00	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G99DAA	MW-99	04/25/2000	PROFILE	140.00	140.00	5.00	5.00	8330N	3-NITROTOLUENE	NO
G99DAA	MW-99	04/25/2000	PROFILE	140.00	140.00	5.00	5.00	8330N	4-NITROTOLUENE	NO
G99DAA	MW-99	04/25/2000	PROFILE	140.00	140.00	5.00	5.00	8330N	PICRIC ACID	NO
G99DBA	MW-99	04/25/2000	PROFILE	150.00	150.00	15.00	15.00	8330N	TETRYL	NO
G99DFA	MW-99	04/26/2000	PROFILE	190.00	190.00	55.00	55.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G99DGA	MW-99	04/26/2000	PROFILE	200.00	200.00	65.00	65.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G99DHA	MW-99	04/26/2000	PROFILE	210.00	210.00	75.00	75.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES

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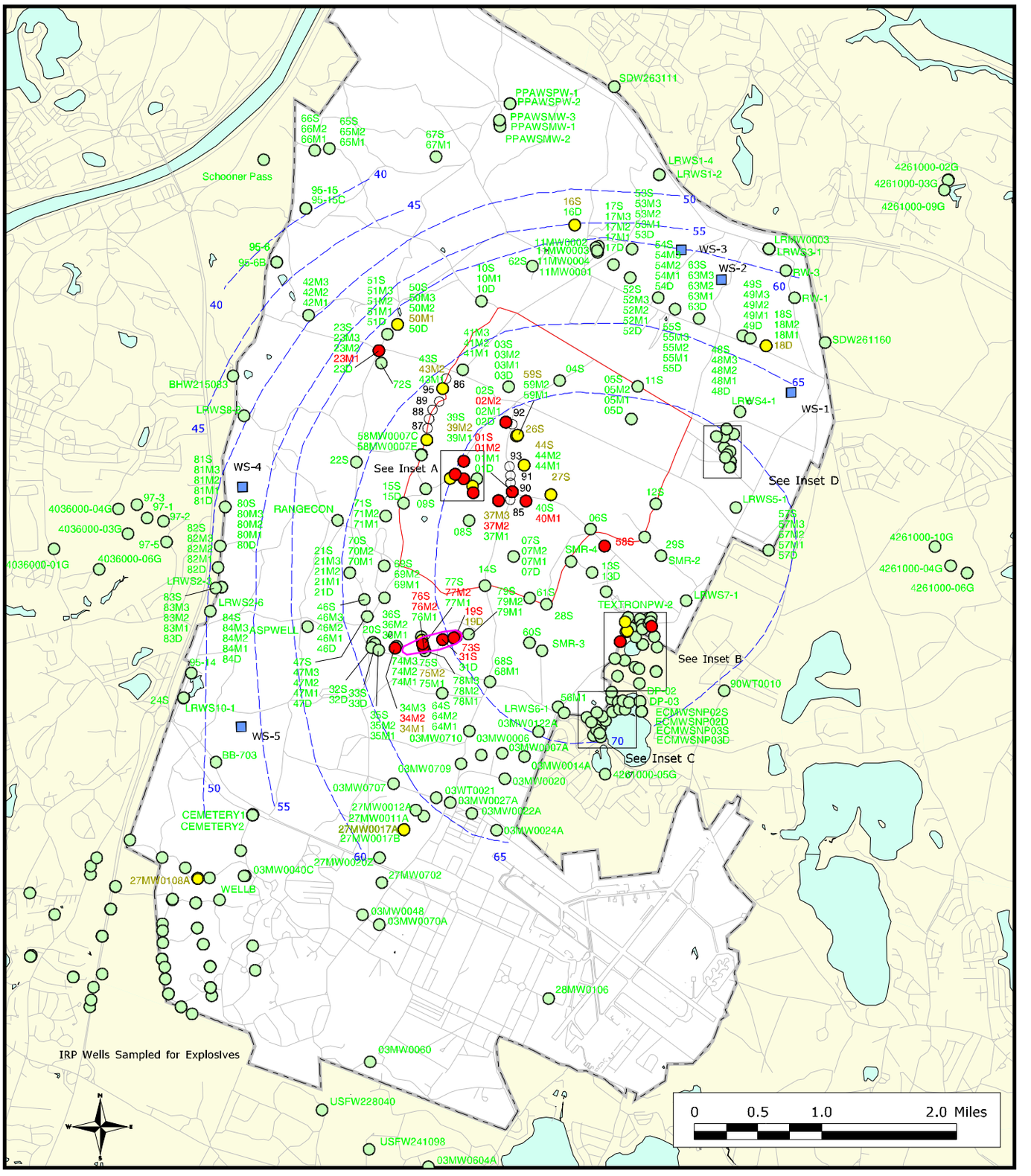
PDA/YES = Photo Diode Array, Detect Confirmed
PDA/NO = Photo Diode Array, Detect Not Confirmed



Sources & Notes

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

LEGEND

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

Figure 1

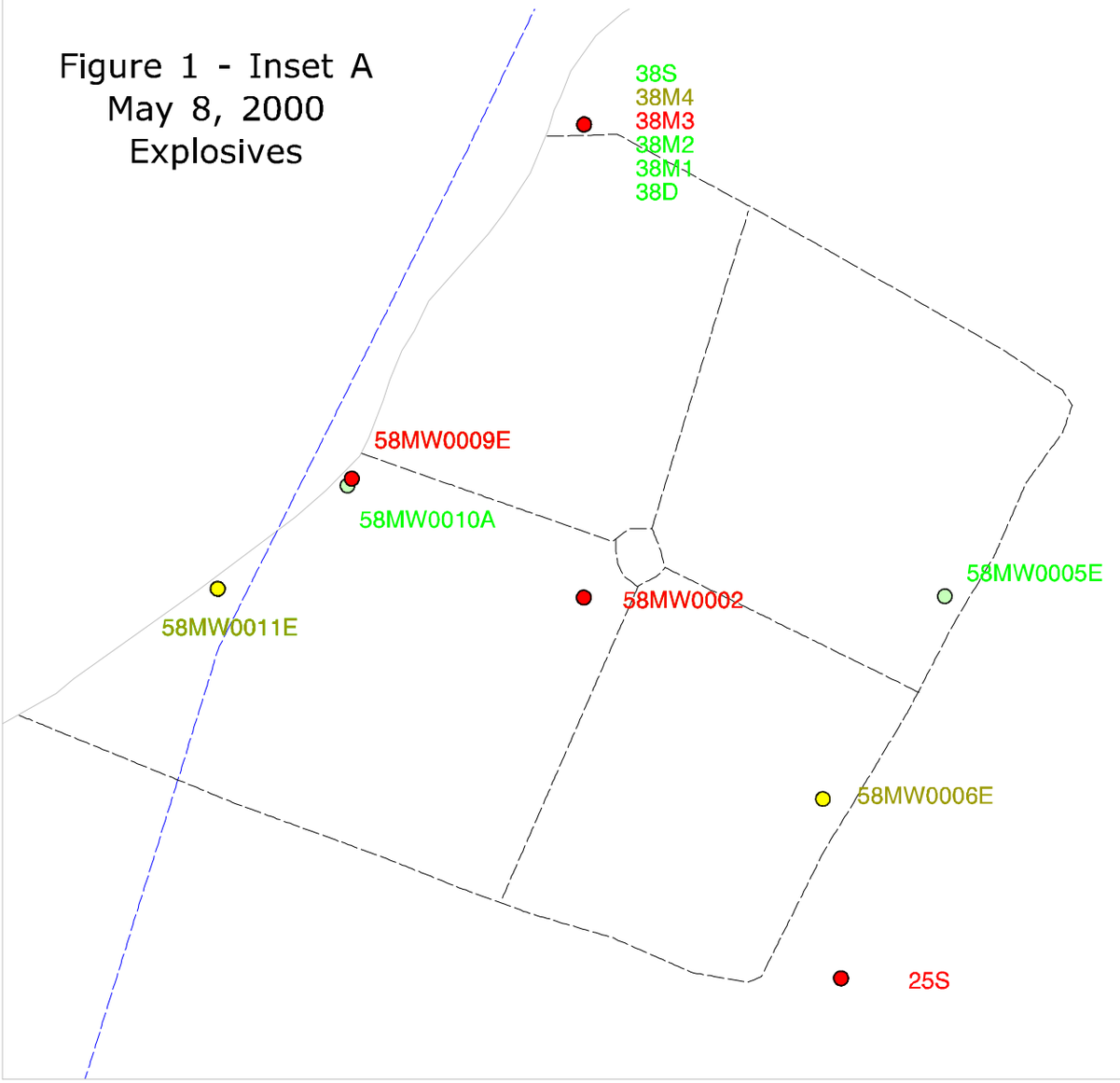
Explosives in Groundwater Compared to MCL/HAs Validated Data as of 5/5/00

Analyte Group
1

OGDEN

May 08, 2000 DRAFT G:MMR/ai/amls/work/monthly/may2000/exp

Figure 1 - Inset A
May 8, 2000
Explosives



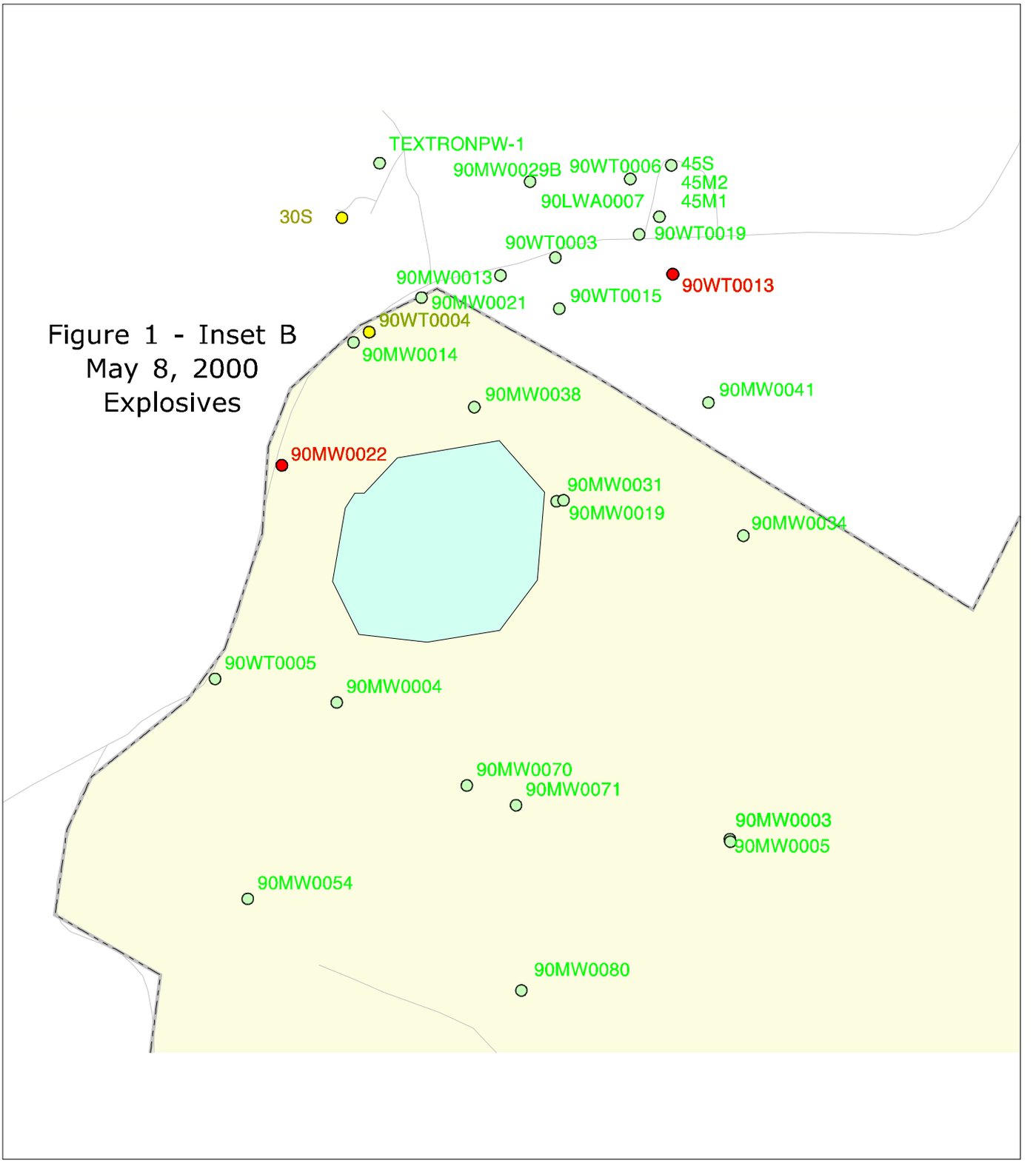


Figure 1 - Inset B
May 8, 2000
Explosives
TEXTRONPW-1
90MW0029B
90WT0006
45S
45M2
45M1
90LWA0007
30S
90WT0019
90WT0003
90MW0013
90WT0013
90MW0021
90WT0015
90WT0004
90MW0014
90MW0038
90MW0041
90MW0022
90MW0031
90MW0019
90MW0034
90WT0005
90MW0004
90MW0070
90MW0071
90MW0003
90MW0005
90MW0054
90MW0080

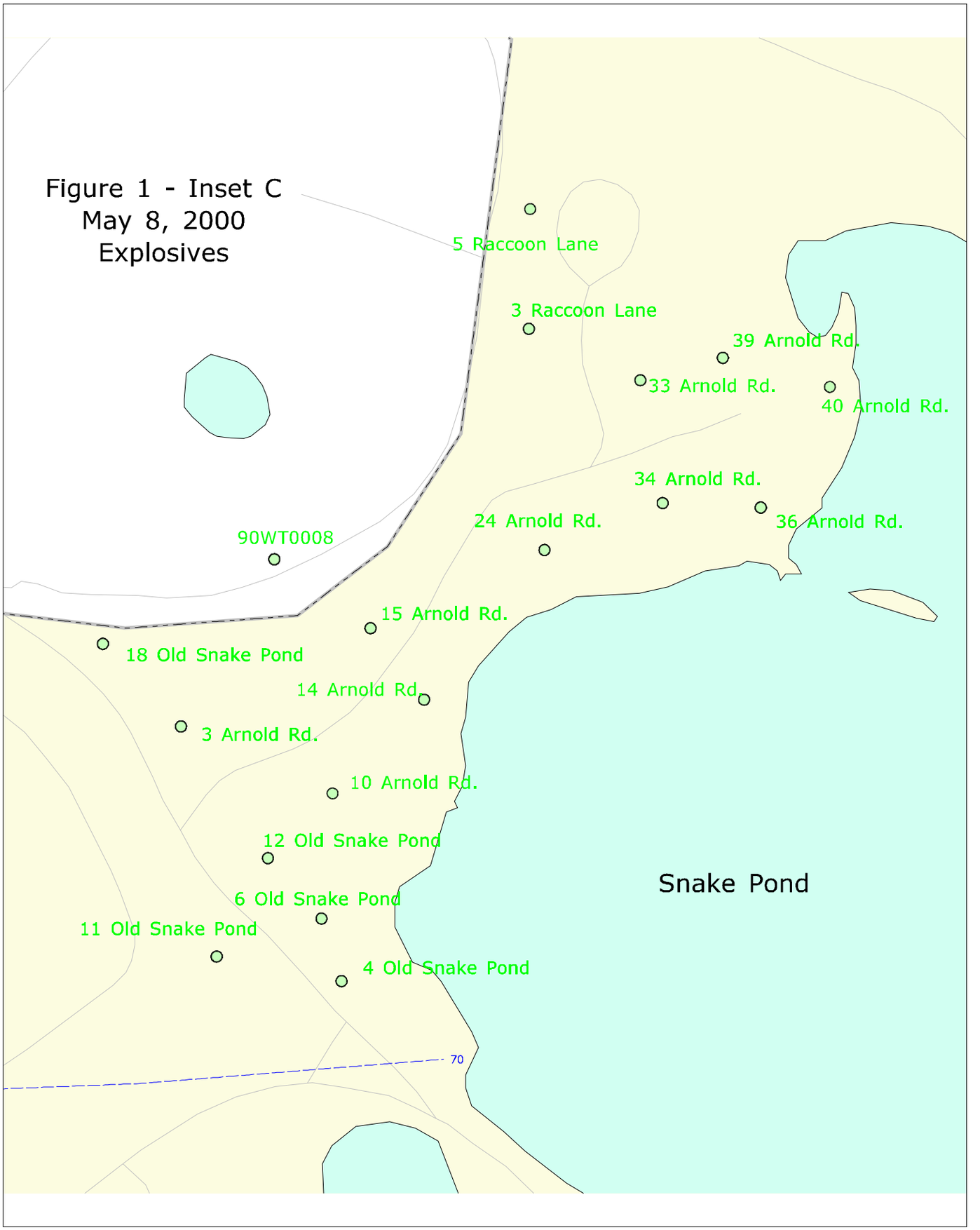


Figure 1 - Inset C
May 8, 2000
Explosives
5 Raccoon Lane
3 Raccoon Lane
39 Arnold Rd.
33 Arnold Rd.
40 Arnold Rd.
34 Arnold Rd.
24 Arnold Rd.
36 Arnold Rd.
90WT0008
15 Arnold Rd.
18 Old Snake Pond
14 Arnold Rd.
3 Arnold Rd.
10 Arnold Rd.
12 Old Snake Pond
Snake Pond
6 Old Snake Pond
11 Old Snake Pond
4 Old Snake Pond
70

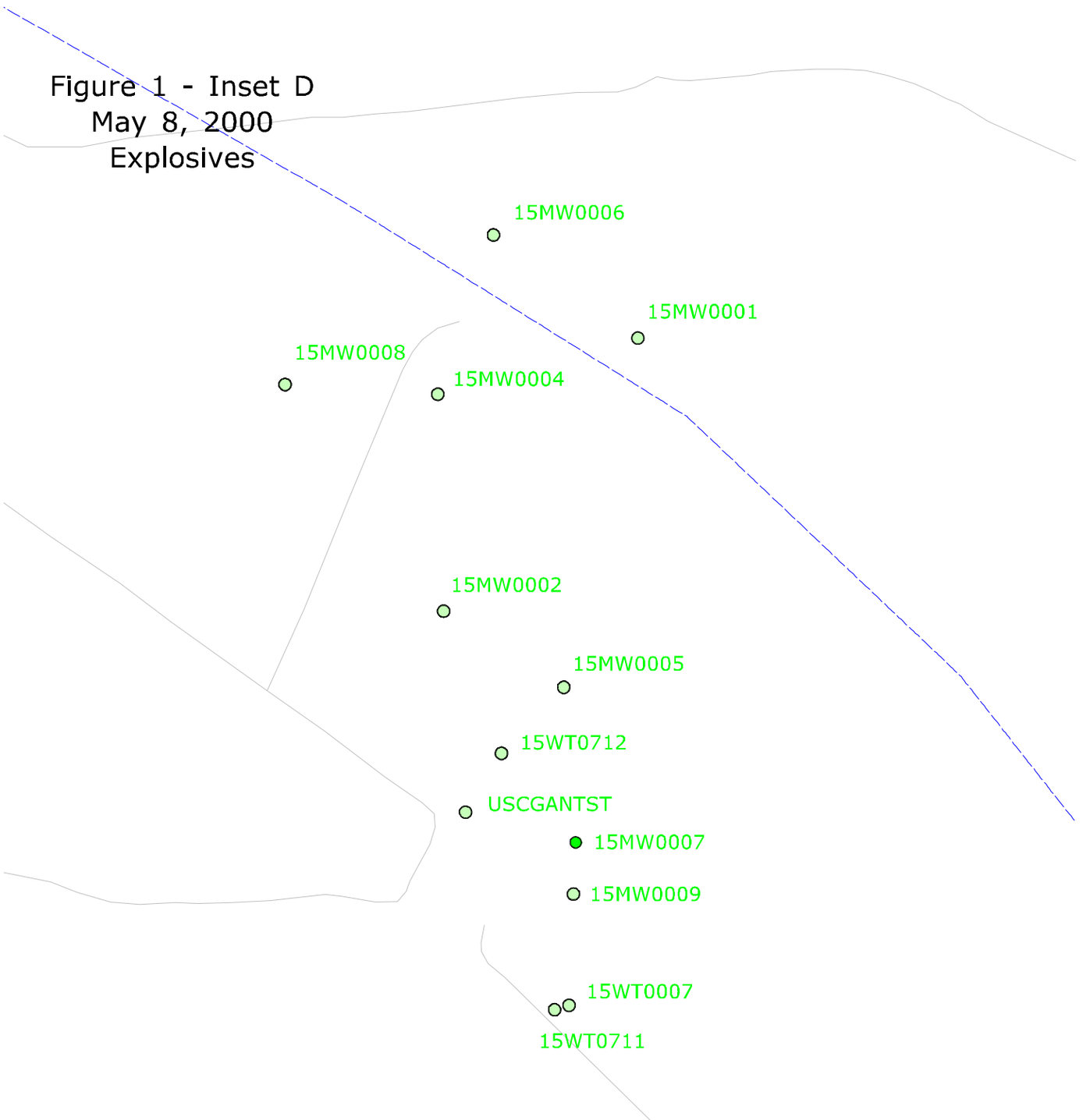
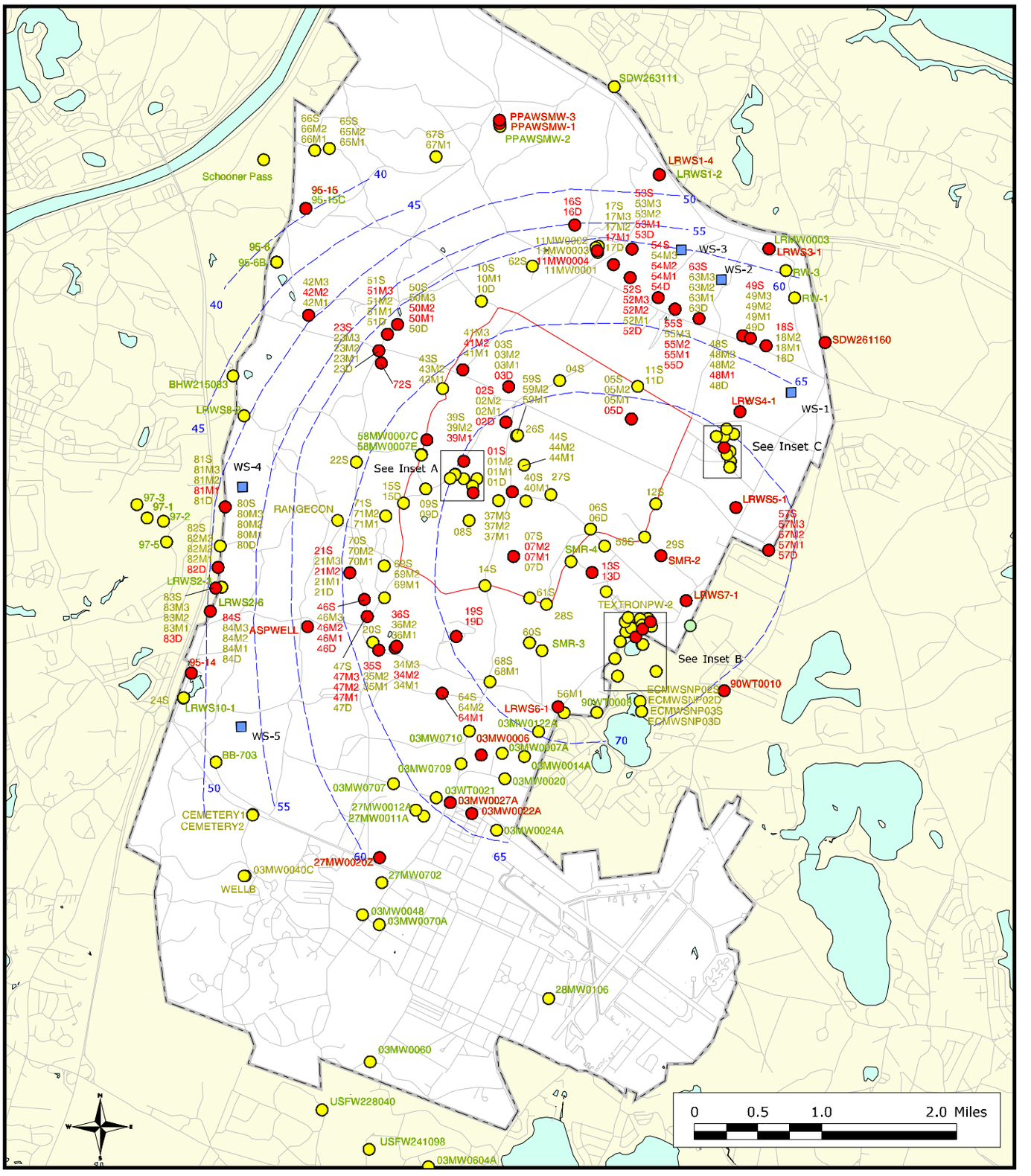


Figure 1 - Inset D
May 8, 2000
Explosives
15MW0006
15MW0001
15MW0008
15MW0004
15MW0002
15MW0005
15WT0712
USCGANTST
15MW0007
15MW0009
15WT0007
15WT0711



Sources & Notes

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

LEGEND

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

Figure 2

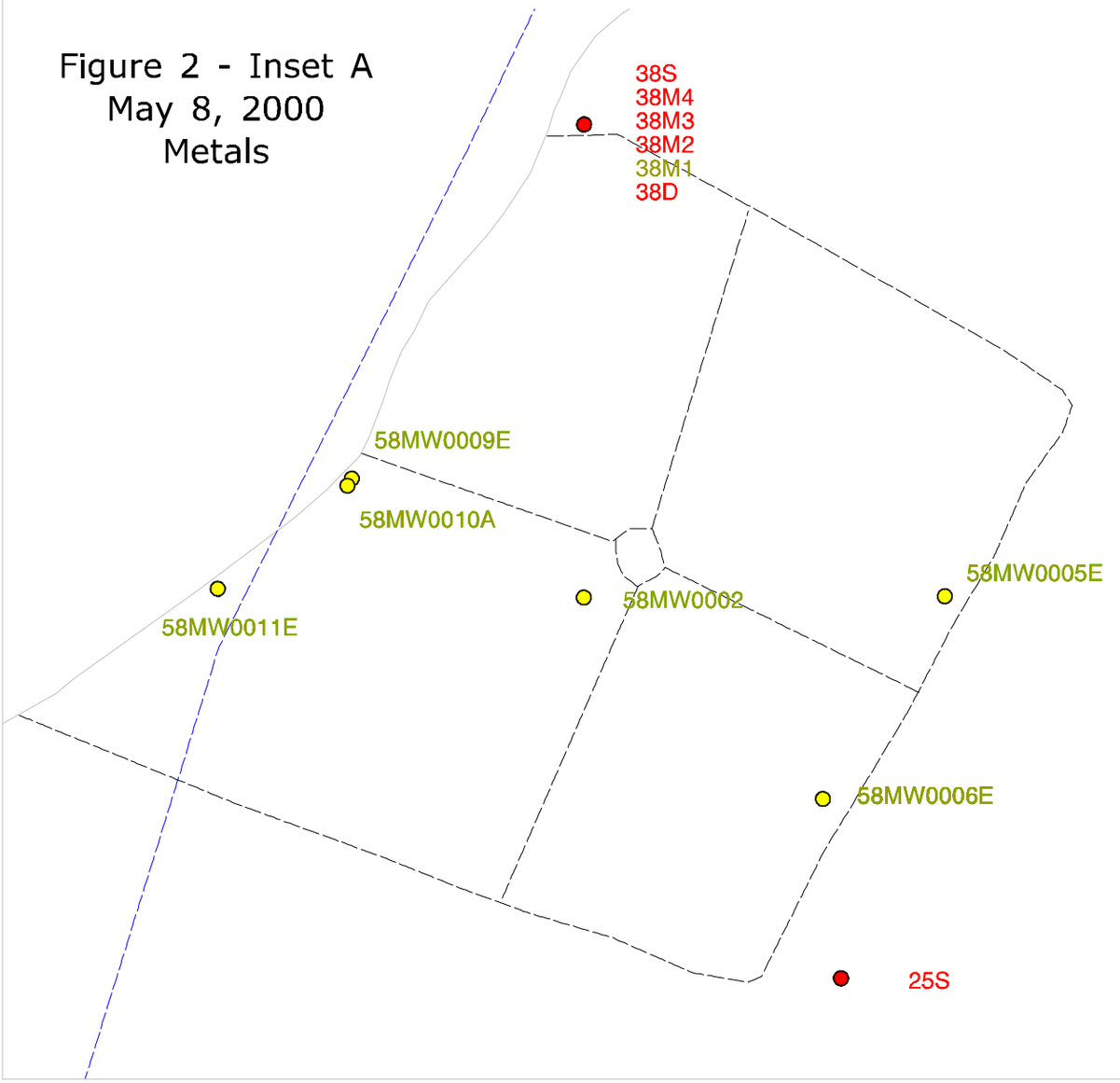
Metals in Groundwater Compared to MCL/HAs Validated Data as of 5/5/00

Analyte Group 2

OGDEN

May 08, 2000 DRAFT G:MMR/ai/amls/work/monthly/may2000/metals

Figure 2 - Inset A
May 8, 2000
Metals



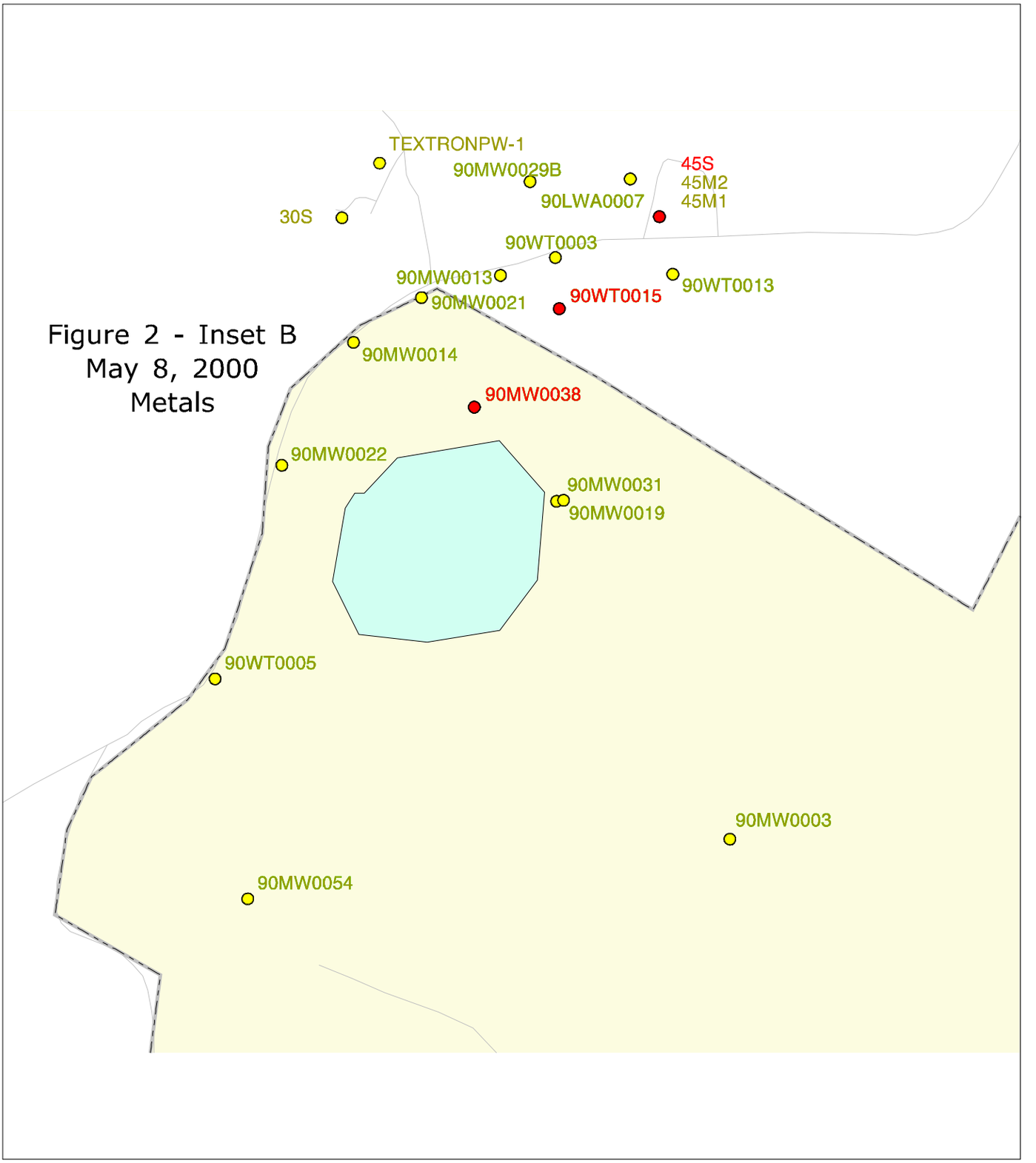


Figure 2 - Inset B
May 8, 2000
Metals
TEXTRONPW-1
90MW0029B
45S
45M2
45M1
90LWA0007
30S
90WT0003
90MW0013
90WT0013
90MW0021
90WT0015
90MW0014
90MW0038
90MW0022
90MW0031
90MW0019
90WT0005
90MW0003
90MW0054

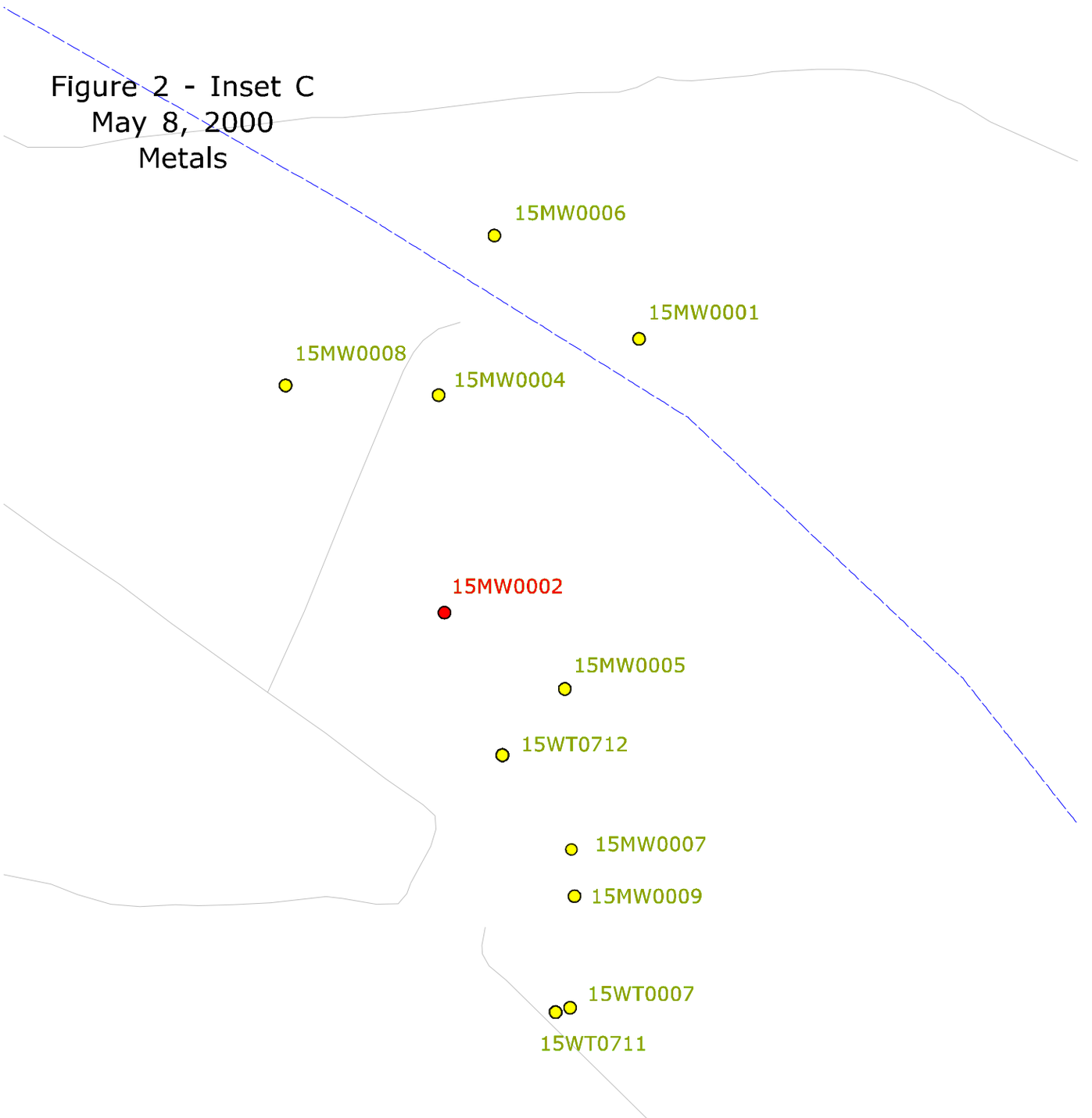
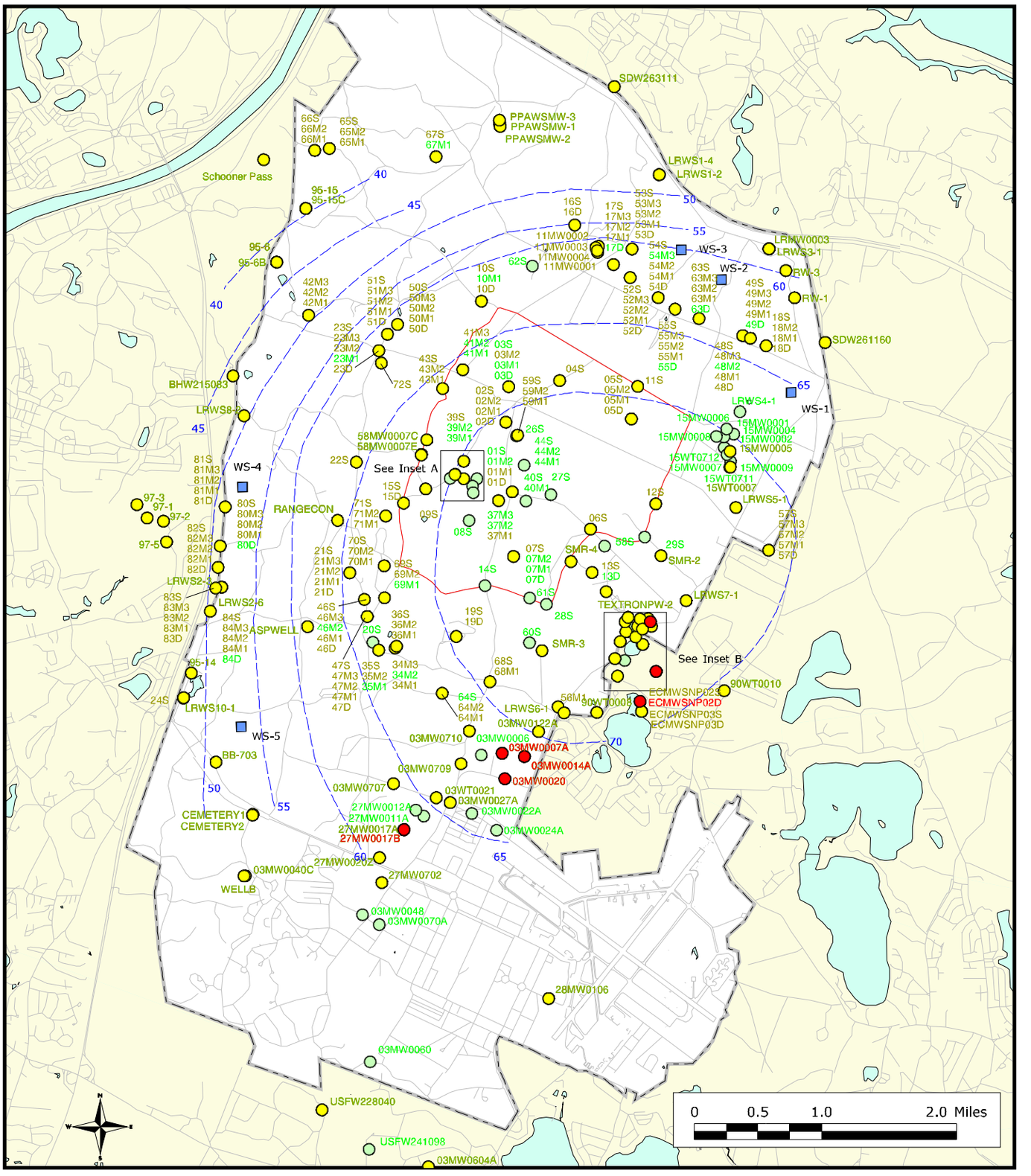


Figure 2 - Inset C
May 8, 2000
Metals
15MW0006
15MW0001
15MW0008
15MW0004
15MW0002
15MW0005
15WT0712
15MW0007
15MW0009
15WT0007
15WT0711



Sources & Notes

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

LEGEND

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

Figure 3

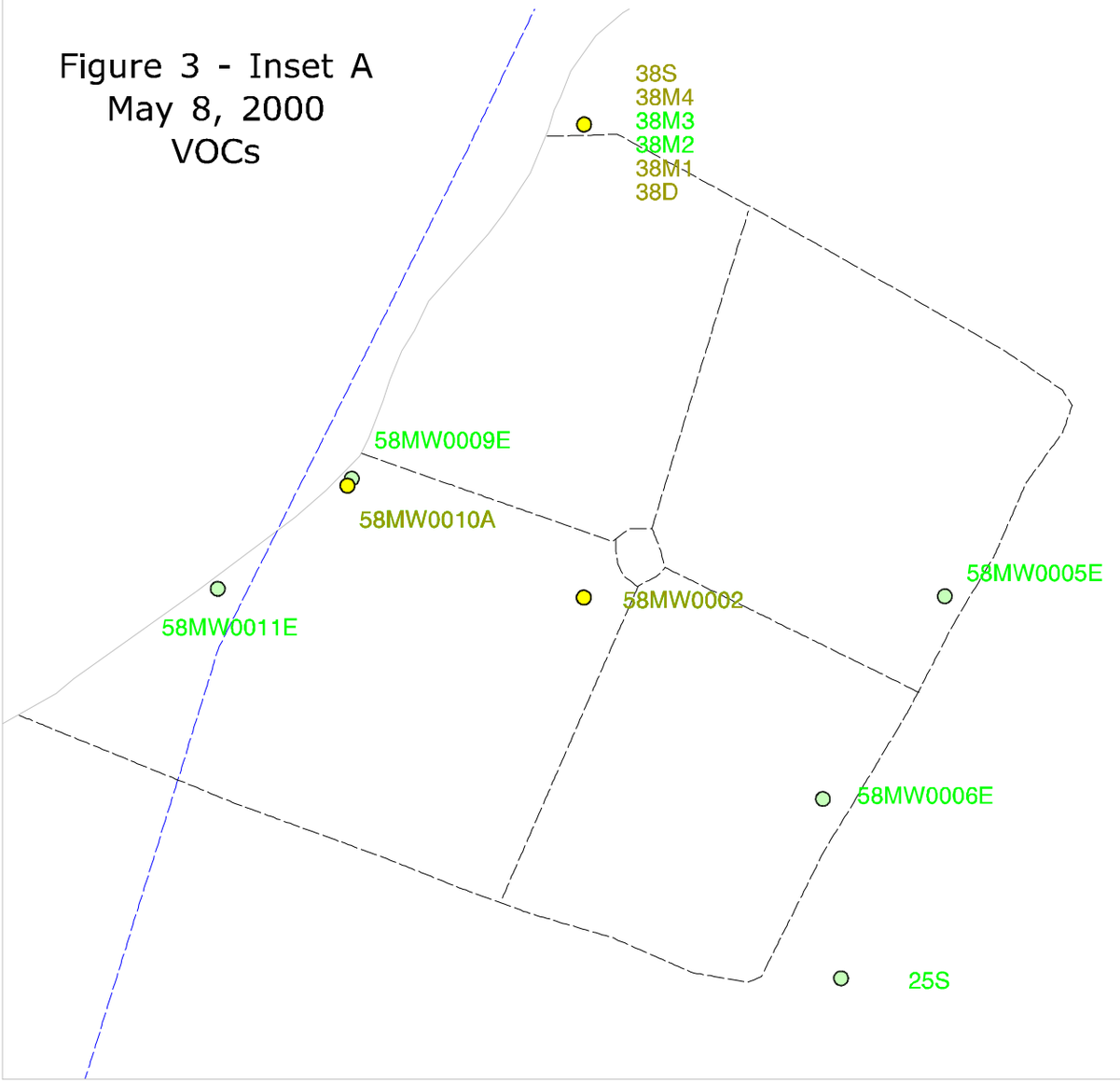
VOCs in Groundwater Compared to MCL/HAs Validated Data as of 5/5/00

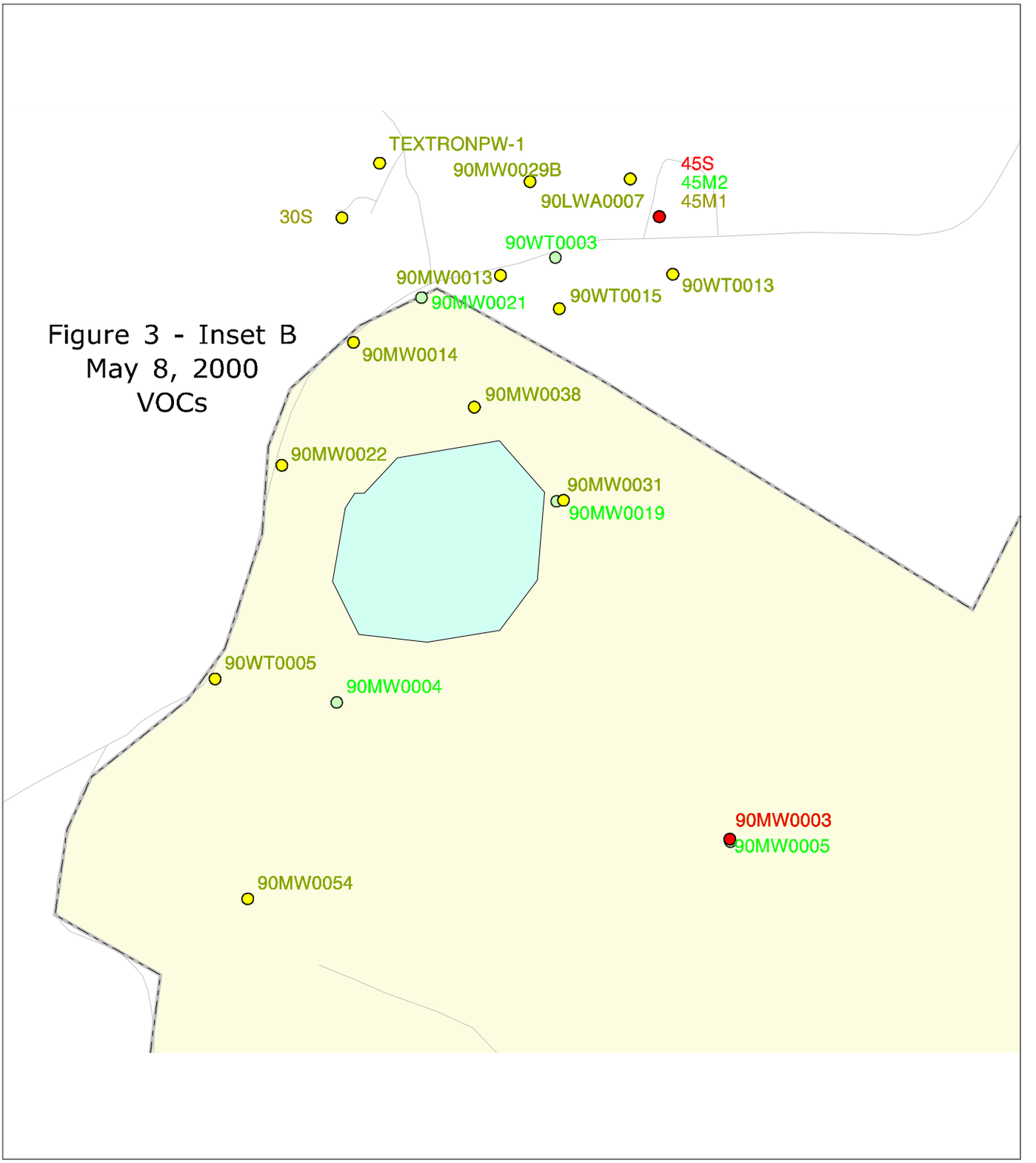
Analyte Group 3

OGDEN

May 08, 2000 DRAFT G:/MMR/ai/amls/work/monthly/may/voc

Figure 3 - Inset A
May 8, 2000
VOCs

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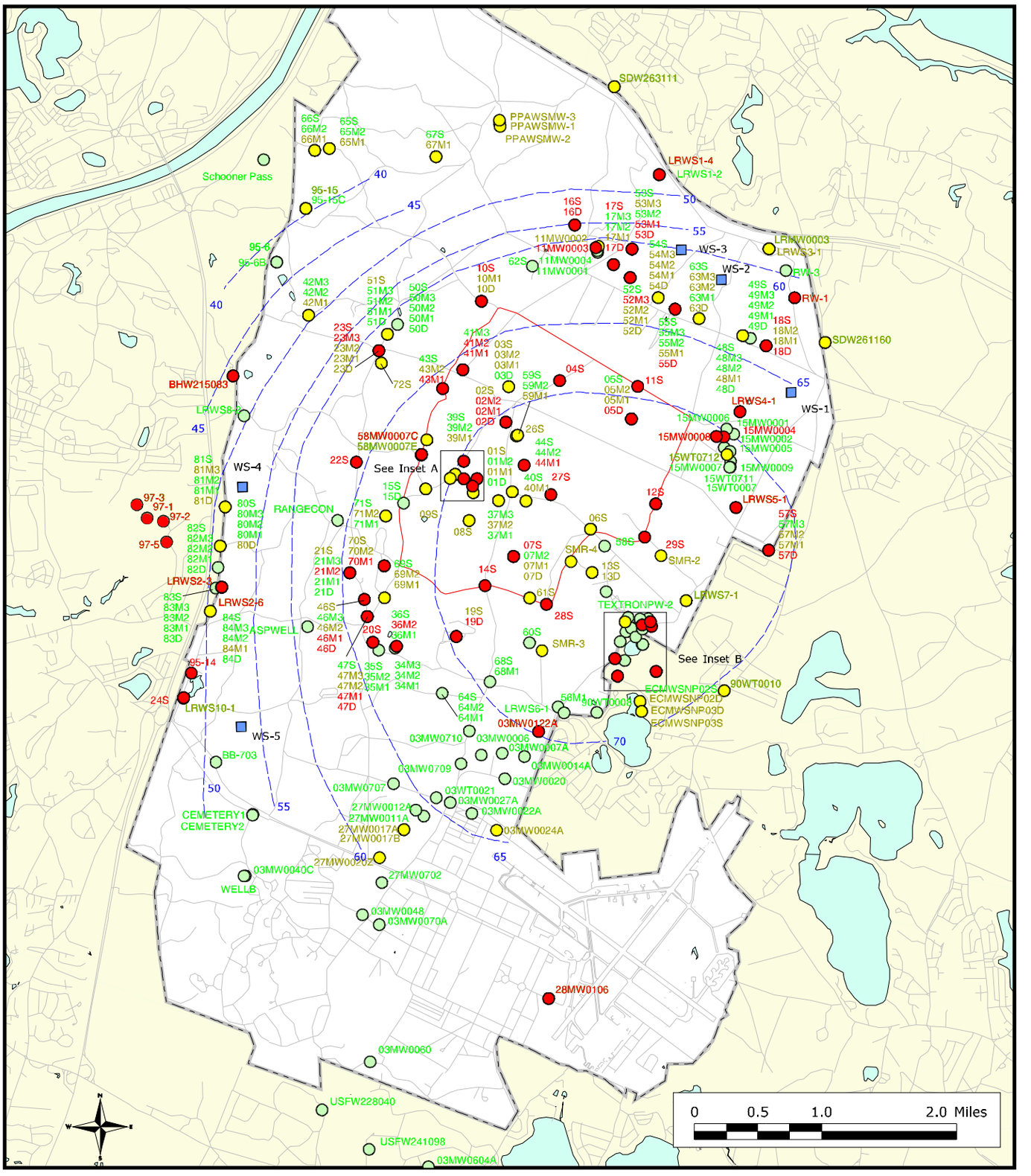
90MW0029B
45S
45M2
45M1
90LWA0007
30S
90WT0003
90MW0013
90WT0013
90MW0021
90WT0015
Figure 3 - Inset B
May 8, 2000
VOCs
90MW0014
90MW0038
90MW0022
90MW0031
90MW0019
90WT0005
90MW0004
90MW0003
90MW0005
90MW0054



Sources & Notes

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

LEGEND

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

Figure 4

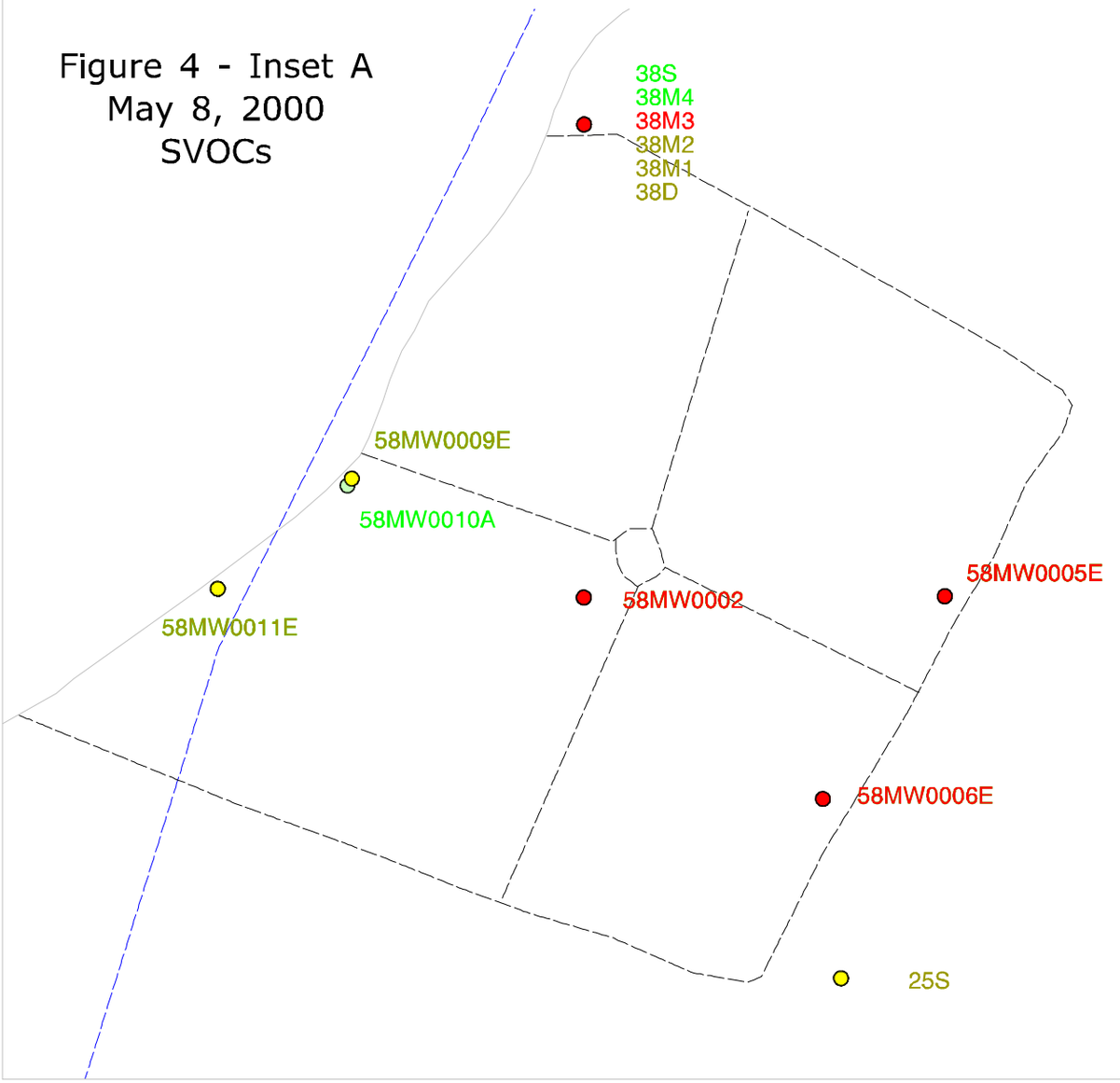
SVOCs in Groundwater Compared to MCL/HAs Validated Data as of 5/5/00

Analyte Group 4

OGDEN

May 08, 2000 DRAFT G:MMR/ai/amls/work/monthly/may2000/svoc

Figure 4 - Inset A
May 8, 2000
SVOCs



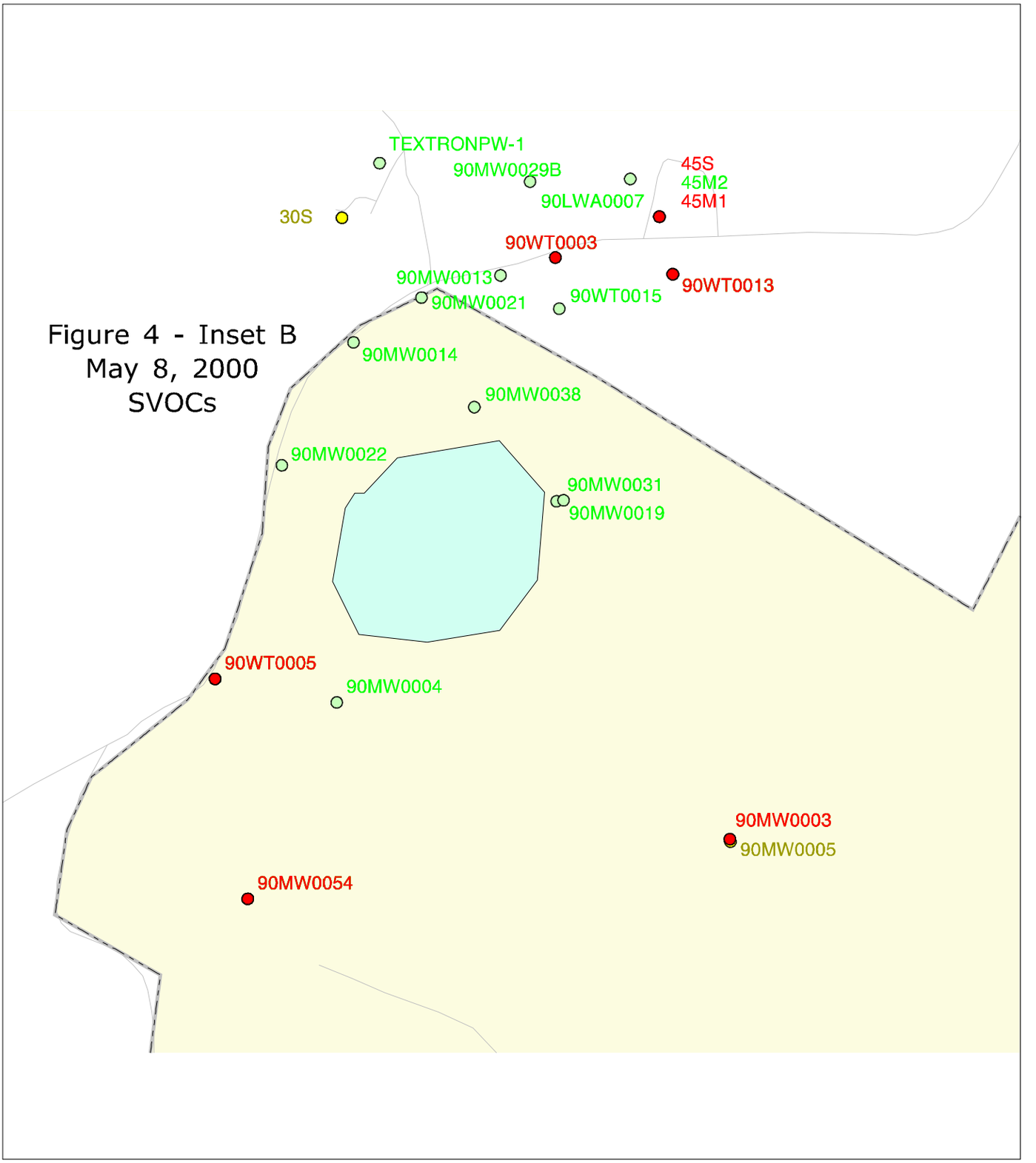
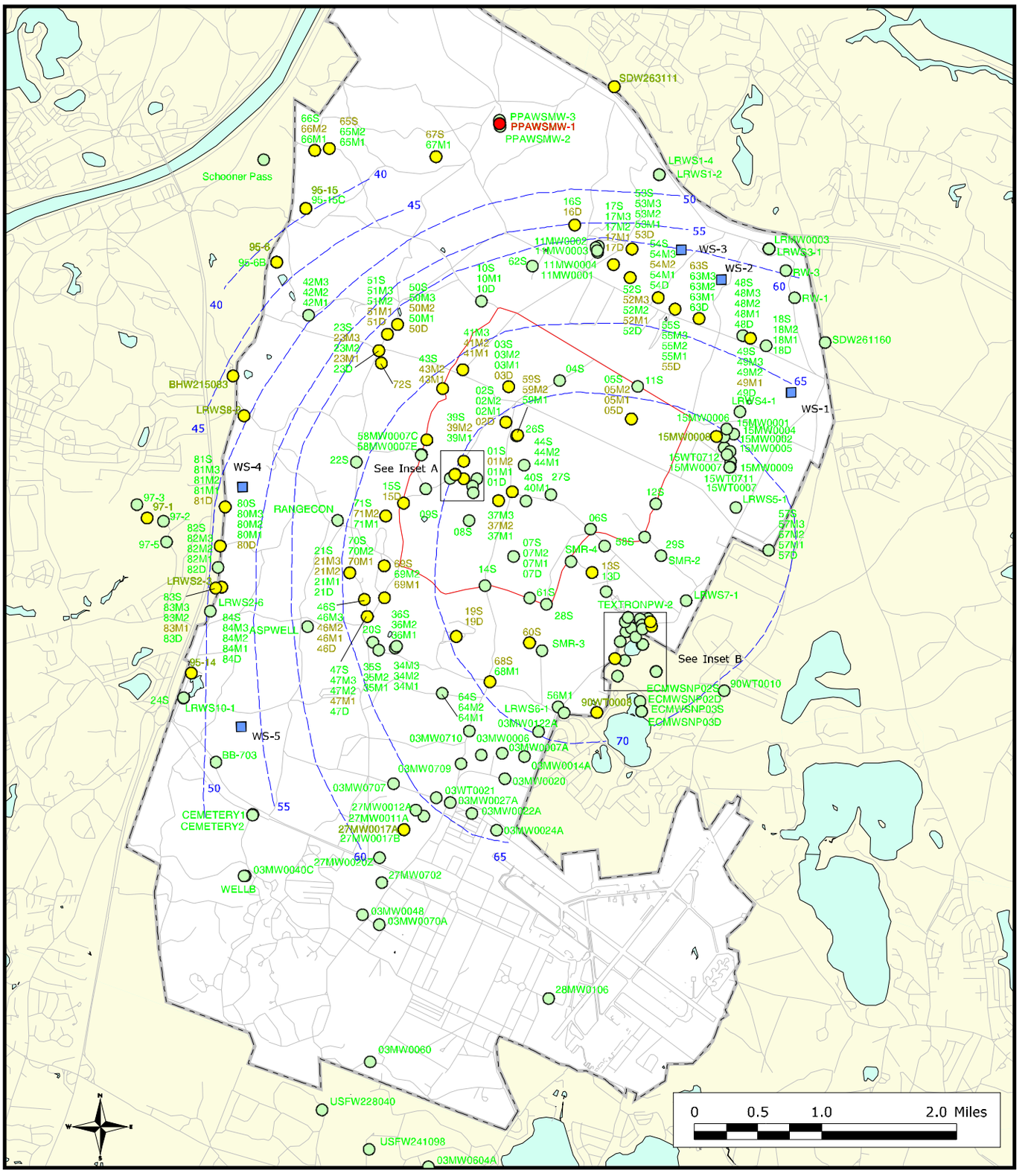


Figure 4 - Inset B
May 8, 2000
SVOCs
TEXTRONPW-1
90MW0029B
45S
45M2
45M1
90LWA0007
30S
90WT0003
90MW0013
90WT0013
90MW0021
90WT0015
90MW0014
90MW0038
90MW0022
90MW0031
90MW0019
90WT0005
90MW0004
90MW0003
90MW0005
90MW0054



Sources & Notes

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

LEGEND

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

Figure 5

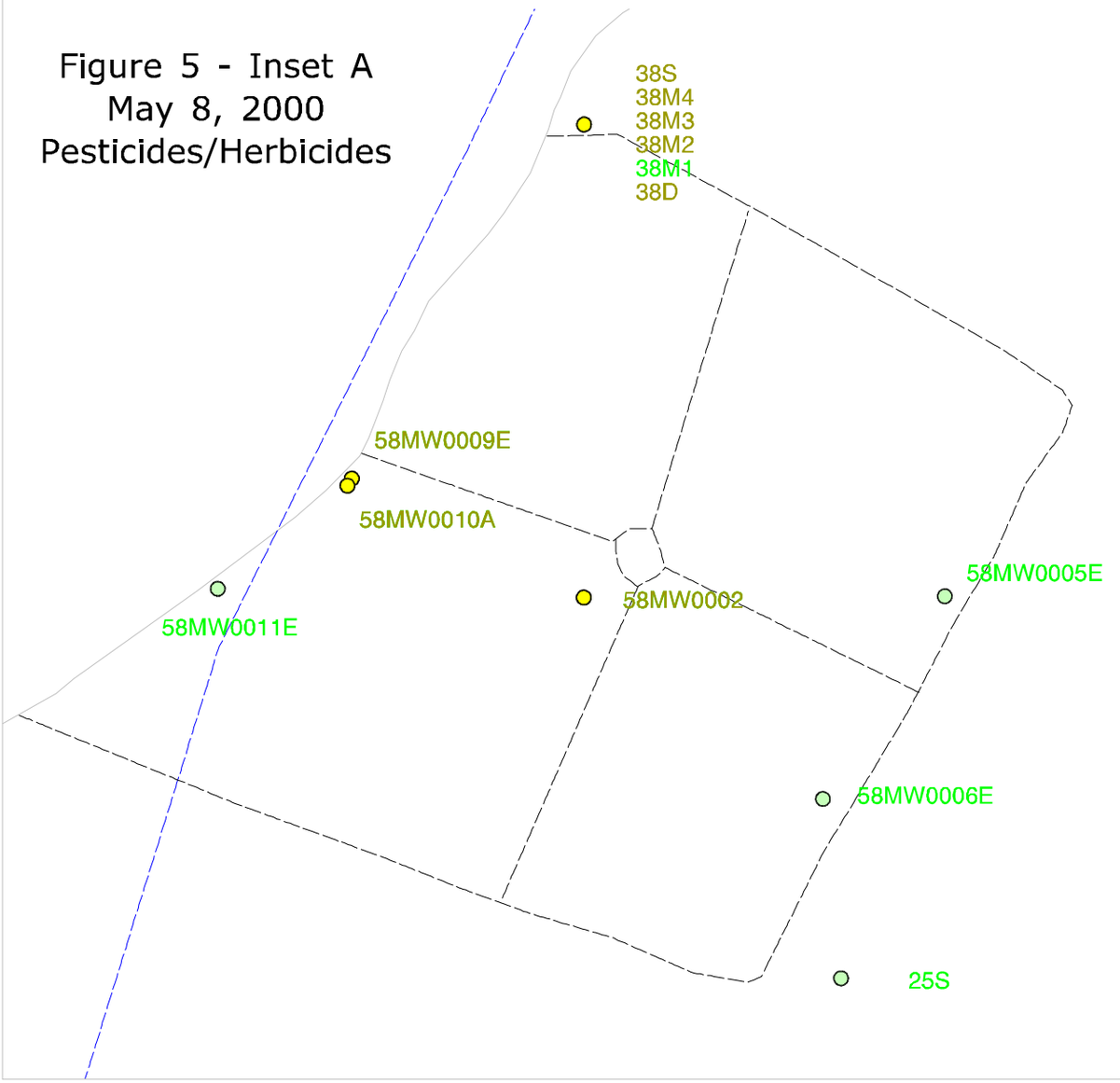
Herbicides and Pesticides in Groundwater Compared to MCL/HAs Validated Data as of 5/5/00

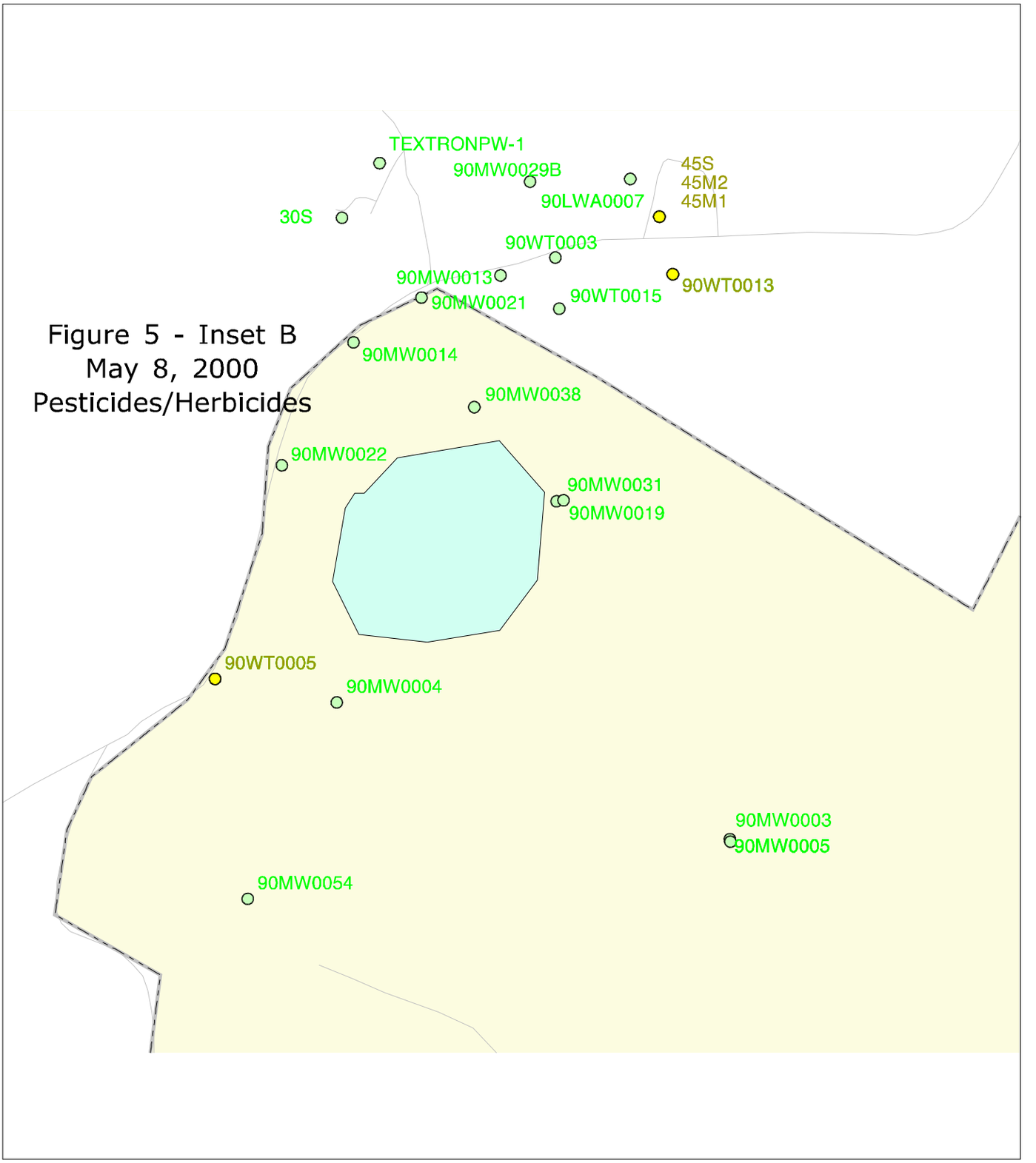
Analyte Group 5

OGDEN

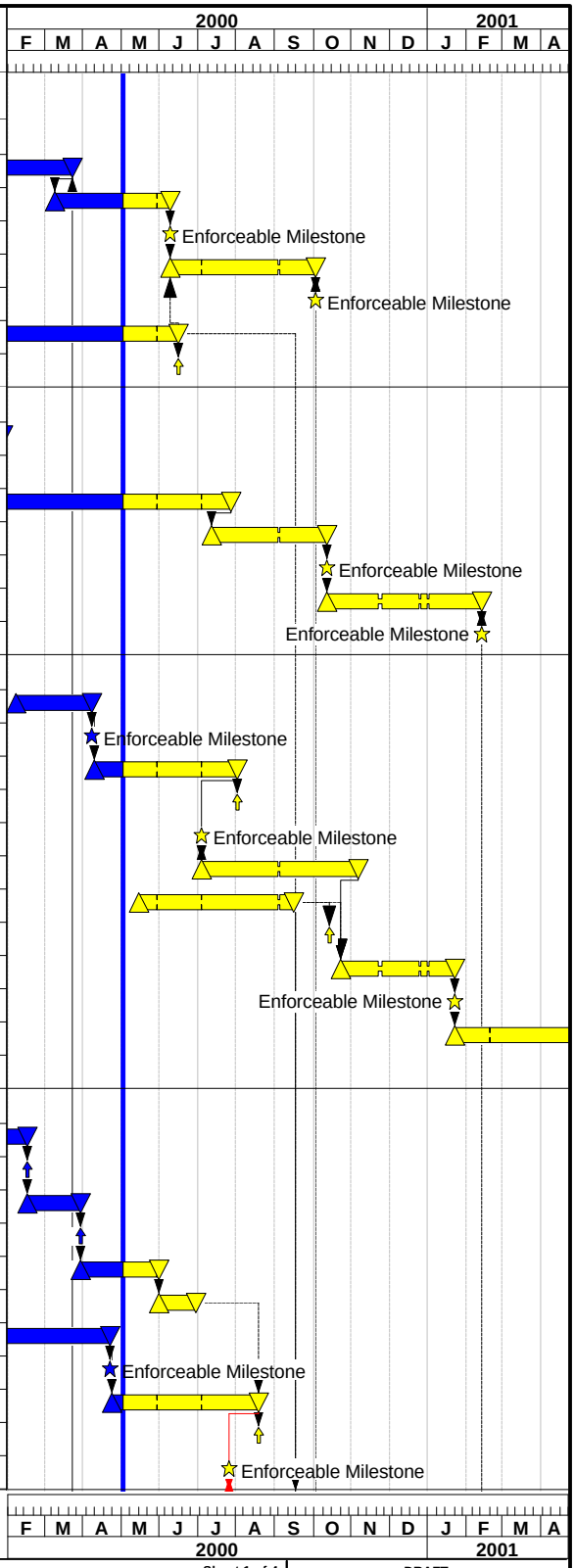
May 08, 2000 DRAFT G:/MMR/ai/amls/work/monthly/may/pest

Figure 5 - Inset A
May 8, 2000
Pesticides/Herbicides




TEXTRONPW-1
90MW0029B
45S
45M2
45M1
90LWA0007
30S
90WT0003
90MW0013
90WT0013
90MW0021
90WT0015
Figure 5 - Inset B
May 8, 2000
Pesticides/Herbicides
90MW0014
90MW0038
90MW0022
90MW0031
90MW0019
90WT0005
90MW0004
90MW0003
90MW0005
90MW0054

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		26	09MAR00A	08JUN00
00130	Demo 1 Draft Soil/GW Report	YES	0		08JUN00
00140	Demo 1 Revise Draft Report		80	09JUN00	02OCT00
00150	Demo 1 Final Soil/GW Report	YES	0		02OCT00
00160	Demo 1 Geophysics Investigation		31	05JAN00A	15JUN00
00170	Demo 1 Geophysics Presentation		0		15JUN00
Central Impact Area					
00210	Impact Area Planning		0	23AUG99A	24JAN00A
00220	Impact Area Start Data Collection	YES	0	05JAN00A	
00230	Impact Area Investigation		60	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		63	10APR00A	01AUG00
00340	J-2 Range Final Workplan		0		01AUG00
00350	J-2 Range Start Data Collection	YES	0	05JUL00	
00360	J-2 Range Investigation		88	05JUL00	06NOV00
00365	J-2 Range Geophysics Investigation		87	15MAY00*	15SEP00
00367	J-2 Range Geophysics Presentation		0		13OCT00*
00370	J-2 Range Report Preparation		62	23OCT00	22JAN01
00380	J-2 Range Draft Report	YES	0		22JAN01
00390	J-2 Range Revise Draft Report		82	23JAN01	17MAY01
00391	J-2 Range Final Report	YES	0		17MAY01
J-1/J-3 Range					
00400	Prepare Response Plan for RDX		0	01DEC99A	16FEB00A
00401	Draft Response Plan for RDX		0		16FEB00A
00402	Revise Response Plan for RDX		0	17FEB00A	29MAR00A
00403	Final Response Plan for RDX		0		29MAR00A
00404	Implement Response Plan for RDX		19	30MAR00A	30MAY00
00405	Review RP Results & Plan Follow-up		22	31MAY00	29JUN00
00410	J-1/J-3 Range Planning		0	06DEC99A	21APR00A
00420	J-1/J-3 Range Draft Workplan	YES	0		21APR00A
00430	J-1/J-3 Range Rev. Draft Workplan		76	24APR00A	18AUG00
00440	J-1/J-3 Range Final Workplan		0		18AUG00
00450	J-1/J-3 Range Start Data Cllctn	YES	0	26JUL00	



Project Start 29FEB00
Project Finish 02DEC02
Data Date 03MAY00
Run Date 10MAY00

Early Bar
Progress Bar

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Sheet 1 of 4

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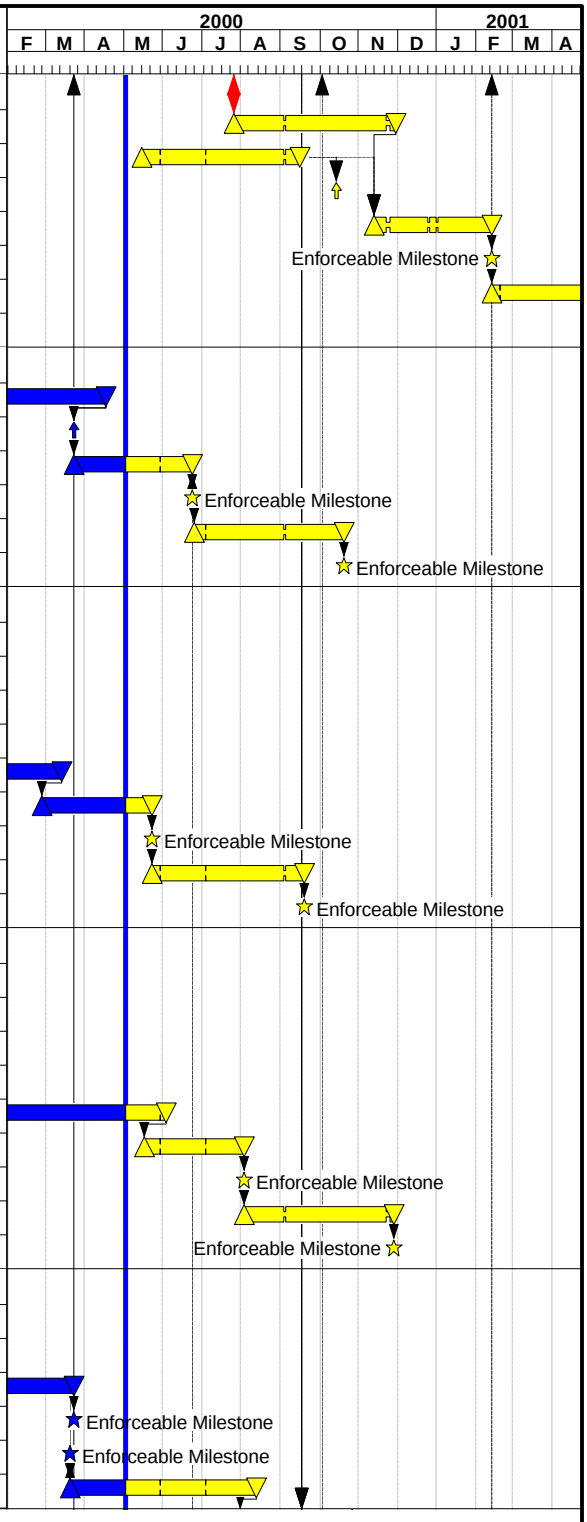
Date	Revision	Checked	Approved

Figure 6. Combined Schedule for MMR IAGS, Munitions Survey, and RRA as of 5/3/00

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
J-1/J-3 Range					
00460	J-1/J-3 Range Investigation		88	26JUL00	29NOV00
00465	J-1/J-3 Range Geophys. Investigation		87	15MAY00*	15SEP00
00467	J-1/J-3 Range Geophys. Presentation		0		13OCT00*
00470	J-1/J-3 Range Report Preparation		62	13NOV00	12FEB01
00480	J-1/J-3 Range Draft Report	YES	0		12FEB01
00490	J-1/J-3 Range Rev. Draft Report		81	13FEB01	07JUN01
00491	J-1/J-3 Range Final Report	YES	0		07JUN01
Gun/Mortar Positions					
00510	Gun/Mortar Investigation		0	30AUG99A	17APR00A
00515	Gun/Mortar Geophys. Presentation		0		23MAR00A
00520	Gun/Mortar Report Preparation		37	24MAR00A	23JUN00
00530	Gun/Mortar Draft Report	YES	0		23JUN00
00540	Gun/Mortar Rev. Draft Report		82	26JUN00	19OCT00
00550	Gun/Mortar Final Report	YES	0		19OCT00
Trenches, Bunkers, Ground Scars					
00610	Trenches Draft Workplan		0	04OCT99A	
00620	Trenches Rev. Draft Workplan		0	05OCT99A	06DEC99A
00630	Trenches Final Workplan		0		06DEC99A
00640	Trenches Start Data Collection	YES	0	06DEC99A	
00650	Trenches Investigation		0	06DEC99A	13MAR00A
00660	Trenches Report Preparation		15	28FEB00A	23MAY00
00670	Trenches Draft Report	YES	0		23MAY00
00680	Trenches Revise Draft Report		81	24MAY00	18SEP00
00690	Trenches Final Report	YES	0		18SEP00
Mortar Targets					
00710	Mortar Targets Draft Workplan		0	04OCT99A	
00720	Mortar Targets Revise Draft Workplan		0	05OCT99A	03DEC99A
00730	Mortar Targets Final Workplan		0		03DEC99A
00740	Mortar Targets Start Data Cllctn	YES	0	06DEC99A	
00750	Mortar Targets Investigation		22	06DEC99A	02JUN00
00760	Mortar Targets Report Preparation		53	18MAY00	02AUG00
00770	Mortar Targets Draft Report	YES	0		02AUG00
00780	Mortar Targets Rev. Draft Report		80	03AUG00	27NOV00
00790	Mortar Targets Final Report	YES	0		27NOV00
Training Areas					
00810	Training Areas Planning		0	01APR99A	22JUL99A
00820	Training Areas Draft Workplan		0		22JUL99A
00830	Training Areas Rev. Draft Workplan		0	23JUL99A	23MAR00A
00840	Training Areas Final Workplan	YES	0		23MAR00A
00850	Training Areas Start Data Cllctn	YES	0	20MAR00A	
00860	Training Areas Investigation		71	20MAR00A	11AUG00



Project Start	29FEB00
Project Finish	02DEC02
Data Date	03MAY00
Run Date	10MAY00

Early Bar
Progress Bar

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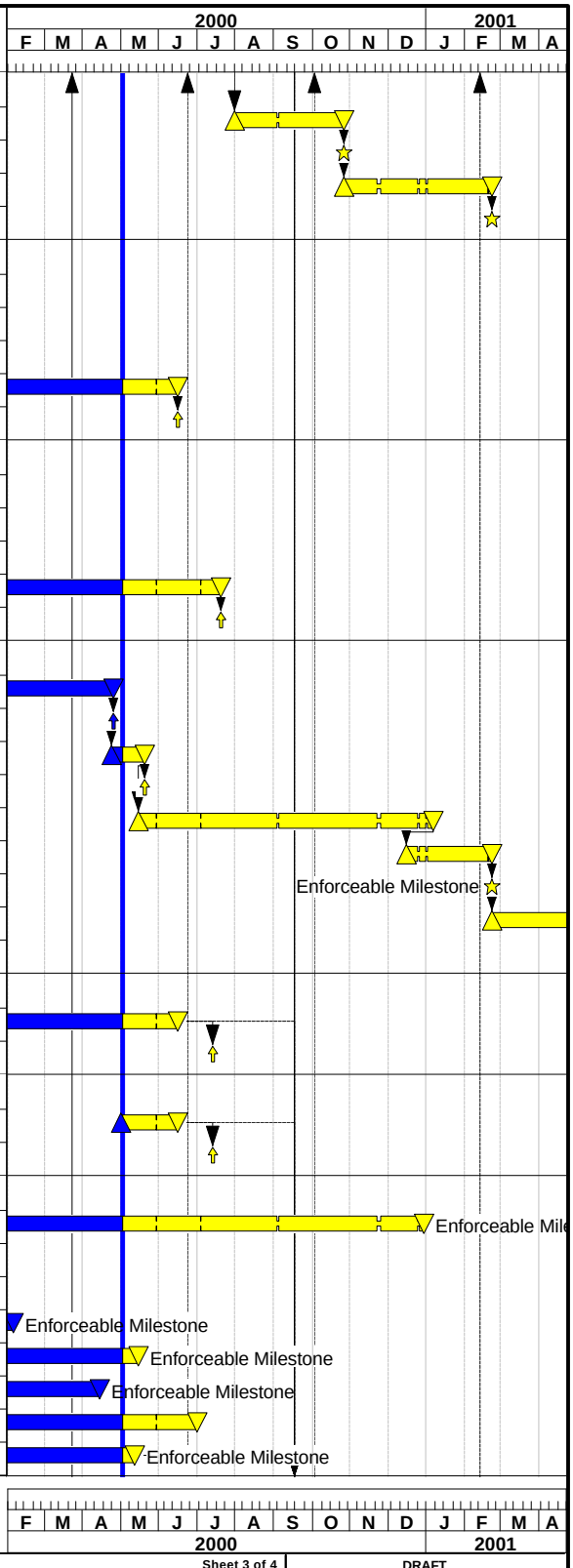
Date	Revision	Checked	Approved

Figure 6. Combined Schedule for MMR IAGS, Munitions Survey, and RRA as of 5/3/00

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Training Areas					
00870	Training Areas Report Preparation		62	31JUL00	25OCT00
00880	Training Areas Draft Report	YES	0		25OCT00
00890	Training Areas Rev. Draft Report		81	26OCT00	22FEB01
00895	Training Areas Final Report	YES	0		22FEB01
KD/U Ranges					
00910	KD/U Investigation		0	10MAY99A	18OCT99A
00920	KD/U Report Preparation		0	27SEP99A	03NOV99A
00930	KD/U Draft Report		0		03NOV99A
00940	KD/U Revise Draft Report		31	04NOV99A	15JUN00
00950	KD/U Final Report		0		15JUN00
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		55	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		13	24APR00A	19MAY00
01140	HUTA Final Workplan		0		19MAY00
01160	HUTA Investigation		163	15MAY00	05JAN01
01170	HUTA Report Preparation		47	15DEC00	22FEB01
01180	HUTA Draft Report	YES	0		22FEB01
01190	HUTA Revise Draft Report		63	23FEB01	22MAY01
01195	HUTA Final Report		0		22MAY01
Water Bodies					
01210	Water Body Geophys. Investig.		31	19NOV99A	15JUN00
01220	Water Body Geophys. Present.		0		13JUL00*
Slit Trench					
01310	Slit Trench Geophys. Investig.		31	01MAY00A	15JUN00
01320	Slit Trench Geophys. Present.		0		13JUL00*
Groundwater Monitoring Programs					
08100	Water Supply (Qrtrly & Annual)	YES	167	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	9	30MAR99A	15MAY00
08150	Far Field Group 2 Wells	YES	0	21SEP99A	14APR00A
08160	Far Field New Group 2 Wells		42	21OCT99A	30JUN00
08170	Gun/Mortar Position Wells	YES	8	01NOV99A	12MAY00



Project Start 29FEB00
Project Finish 02DEC02
Data Date 03MAY00
Run Date 10MAY00

Early Bar
Progress Bar

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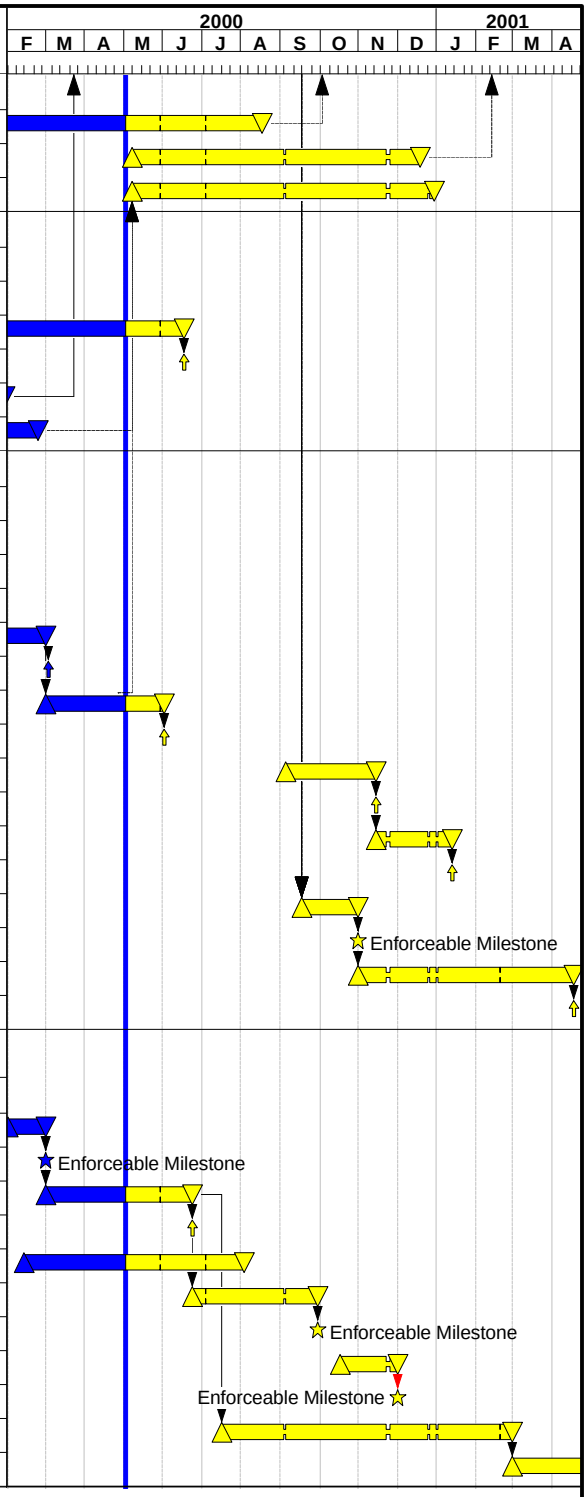
Date	Revision	Checked	Approved

Figure 6. Combined Schedule for MMR IAGS, Munitions Survey, and RRA as of 5/3/00

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Groundwater Monitoring Programs					
08180	Demo 1 1999 Response Wells		75	20JAN00A	17AUG00
08190	Impact Area 2000 Response Wells		156	08MAY00*	18DEC00
08200	CY 2000 Interim LT Monitoring		164	08MAY00*	29DEC00
Analytical Methods					
08510	Draft PEP Report Preparation		0	05NOV98A	30NOV98A
08520	Draft PEP Report	YES	0		30NOV98A
08530	Revise Draft PEP Report		32	01DEC98A	16JUN00
08540	Final PEP Report		0		16JUN00
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		21	02MAR00A	01JUN00
09230	Final ILTGM Plan		0		01JUN00
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
10120	Draft RRA Workplan	YES	0		01MAR00A
10130	Revise Draft RRA Workplan		36	02MAR00A	22JUN00
10140	Final RRA Workplan		0		22JUN00
10150	Pre-RRA Implementation		64	14FEB00A	02AUG00
10155	RRA Source Control		69	23JUN00	29SEP00
10160	RRA Source Control Complete	YES	0		29SEP00
10170	RRA Site Restoration		32	17OCT00*	01DEC00
10180	RRA Site Restoration Complete	YES	0		01DEC00
10190	RRA Innovative Treatment		156	17JUL00	27FEB01
10195	RRA Completion of Work Report		45	28FEB01	01MAY01



Project Start 29FEB00
Project Finish 02DEC02
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Early Bar
Progress Bar

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Sheet 4 of 4

Figure 6. Combined Schedule for MMR IAGS, Munitions Survey, and RRA as of 5/3/00

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Date	Revision	Checked	Approved