**MONTHLY PROGRESS REPORT #55**
**FOR OCTOBER 2001**

**EPA REGION I ADMINISTRATIVE ORDERS SDWA 1-97-1019 & 1-2000-0014**
**MASSACHUSETTS MILITARY RESERVATION**
**TRAINING RANGE AND IMPACT AREA**

The following summary of progress is for the period from October 1 to October 31, 2001. Scheduled actions are for the six-week period ending December 12, 2001.

## 1. SUMMARY OF ACTIONS TAKEN

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

**Table 1. Drilling progress for October 2001**

| Boring Number | Purpose of Boring/Well | Total Depth (ft bgs) | Saturated Depth (ft bwt) | Completed Well Screens (ft bgs) |
|---|---|---|---|---|
| MW-177 | Central Impact Area Well (CIAP-7) redrill | 390 | 202 | 375-385 |
| MW-182 | Central Impact Area Well (CIAP-9) | 370 | 200 | 295-305, 273-283 |
| MW-183 | Central Impact Area Well (CIAP-4) | 385 | 204 | 286-296, 270-280 |
| MW-184 | Central Impact Area Well (P-30) | 350 | 225 | 126-136, 186-196 |
| MW-185 | Central Impact Area Well (CIAP-2) | 340 | 208 | 156-166, 247-257 |
| MW-186 | Demo 1 Area Well (D1P-8) | 320 | 198 | |
| PW-1 | Central Impact Area Pump Test Well | 208 | 79 | |
| OW-6 | Pump Test Observation Well | 190 | 62 | 175-185 |
| OW-5 | Pump Test Observation Well | 190 | 62 | 175-185 |
| OW-4 | Pump Test Observation Well | 70 | | |
| OW-2 | Pump Test Observation Well | 190 | 64 | 185-195 |
| OW-1 | Pump Test Observation Well | 190 | 64 | 136-146 |

bgs = below ground surface
bwt = below water table

Completed drilling and well installation of MW-177 (CIAP-7) redrill, MW-182 (CIAP-9), MW-183 (CIAP-4), MW-184 (P-30), MW-185 (CIAP-2), OW-6 (Observation Well), OW-5 (Observation Well), OW-2 (Observation Well), and OW-1 (Observation Well). Completed drilling of MW-186 (D1P-8) and PW-1 (Pump Test Well) and commenced drilling of OW-4 (Observation Well). Well development was continued for newly installed wells.

Samples collected during the reporting period are summarized in Table 2. Groundwater profile samples were collected from MW-183 (CIAP-4), MW-184 (P-30), MW-185 (CIAP-2), MW-186 (D1P-8) and B-30 (J2P-11). Groundwater samples were collected as part of the August Long Term Groundwater Monitoring round, including samples collected from the Schooner Pass well, from the Bourne Municipal and Monitoring wells, from the Ammunition Supply Point, PAVE

PAWS, and USCG Antenna Station wells. Water samples for drinking water analysis were collected from wells at Range Control, Cemetery points, and Ammunition Supply Point.

Soil samples were collected from grids on J-3 Range, L Range, Former H Range and the J-3 Wetland and from post-detonation craters in the Central Impact Area and at the Gravity Range. Post-excavation soil samples were collected at the J-1 and J-2 Ranges and the mortar targets. Soil samples were also collected from a pit at the former J1P-14 well pad location. Background soil samples were collected from grids in the Crane Management Area 1 and 2, Falmouth Water Tower, John's Pond, Dearhorn Hill, Mashpee High School and the Bourne Well field.

As part of the munitions survey project, soil and wipe samples were collected from UXO on the Gravity Range and samples were collected beneath UXO on the Gravity Range. Pre-detonation samples were collected at the Former K Range.

As part of the RRA, post-detonation samples and other soil samples were collected at Mortar Target 9. Water samples were collected from the FS-12 treatment system and from the GAC treatment system.

The Guard, EPA, and MADEP had a meeting on October 4 to discuss technical issues, including the following:

**Archived Search Report Update**

Carla Buriks (Tetra Tech) reviewed the ASR status.

- Interviews. Three additional follow-up interviews have been completed by the private investigator. The interview summaries were distributed to the agencies. One interview has been scheduled and interviews are continuing to be scheduled. Of the existing "to be interviewed list", one potential interviewee is deceased. Interviewee #19 has retained a private lawyer and has requested that the lawyer be contacted regarding additional information.
- NRC license. A letter has been sent to the NRC requesting information on the Textron license at MMR. A memo summarizing information in files that have been copied will be provided by 10/15. There were some inspection results and these will be highlighted in the memo.
- Advertisement. An advertisement will be placed in the Army Times and Air Force Times requesting information on past activities that may have occurred at MMR.
- Contracts Record Report. Final covers will be distributed shortly.
- Schedule. Draft Revised ASR is on schedule to be submitted 10/31.

**Long Term Monitoring for VOCs**

Marc Grant (AMEC) distributed a map showing well locations which have screen intervals that have never been sampled for VOCs and a table listing all wells with associated well screens that have never been sampled for VOCs.

- The figure shows that the wells that have not been sampled for VOCs are primarily the Central Impact Area response wells, FS-12 Response wells, and select screens among the Demo 1 wells.
- Todd Borci (EPA) responded that appropriate screens from wells in the Demo 1 Area have been sampled in response to delineating PCE detections in this area. AFCEE will be drilling 58MW0020 in the CS-19 area to evaluate a potential VOC source associated with this area. Mr. Borci proposed that all VOC data be reviewed along with the results from the new well at CS-19 and then re-evaluate the need for additional VOC sampling in the Central Impact

Area.
- Discussion on additional monitoring for VOCs to be scheduled pending results from CS-19 drilling.

**J-Range Plume Maps**
- Ed Wise (ACE) stated that the Guard had received additional comment from MADEP regarding the plume maps and the ACE/AMEC/Guard were in the process of revising the maps with consideration of MADEP's, JPO's, and EPA's comments.
- Mike Jasinski (EPA) noting that the comments were contradictory, suggested that the agencies, JPO, and the Guard go through the comments at the next Tech meeting and resolve conflicts. At that point, the figures could be revised.
- Jane Dolan (EPA) indicated that comments on the J-1, J-3, L Ranges Report would be coming next week (by 10/10) since she was still waiting on internal comments. Ms. Dolan noted that locations of monitoring wells proposed in the Report looked good, and she did not intend to adjust these locations. Therefore, drilling of these locations could proceed. However, additional monitoring locations would be requested in the EPA's comment on the Report. The EPA would like to see these additional locations added to the current scope of work, as defined in Additional WorkPlan #1.
- Ed Wise (ACE) and Dave Hill (IAGWSPO) suggested that it would be more appropriate to add any additional wells to the Additional Work Plan #2 scope.

**Central Impact Area Pump Test**
- Todd Borci (EPA) indicated that written comment would be provided by 10/11 on the pump test workplan. However, verbal comment at this Tech meeting would be provided by the EPA's contractor (TRC) so that drilling of the observation wells could start on schedule.
- Adam Balogh (TRC) commented that TRC concurred with the new observation well configuration. And TRC particularly liked the data assessment methodology, noting that it was very professionally done. TRC suggested that a background well be added to monitor the barometric efficiency of the aquifer.
- Jay Clausen (AMEC) and Heather Sullivan (ACE) agreed that a background well would be a useful addition. Mr. Clausen also noted that AMEC intended to monitor the mounding effect in the area of water discharge in order to obtain information on aquifer recharge.
- Todd Borci (EPA) indicated that this verbal approval by the EPA meant that the observation wells could be drilled ASAP.
- Heather Sullivan (EPA) to contact MADEP regarding comments on the pump test.

**Documents and Schedule**

Marc Grant (AMEC) distributed the Document List Table and reviewed outstanding scheduling issues.
- For several of the Munitions Survey Letter Reports, an extension of 2/3 weeks will be requested. These extensions will effect the Demo 1 and Phase IIb Reports dates. Tetra Tech indicated that the extension requests were primarily the result of the base closure in mid September. For Demo 1, the extension was requested for receipt of validated data; sampling and the resultant analysis and validation time had not been included in the original scope of work for Demo 1. Todd Borci (EPA) indicated that these extensions would be approved.
- Todd Borci (EPA) noted that the Central Impact Area Soil Report dates will be discussed in a breakout meeting and wondered if agreement on all dates could be reached so that the revised combined draft schedule could be submitted next week. Gina Tyo (ACE) indicated that this was the ACE/Guard's intention.

- Jane Dolan (EPA) asked what would be addressed at the J-2 Range scoping meeting. Herb Colby (AMEC) indicated that results of recent sampling would be reviewed. Based on these results, the agencies and the Guard would decide if adequate delineation had been conducted to allow for COC identification or if additional delineation would still be required. If sufficient delineation has been completed, the upcoming J-2 Range Report would be used to identify COCs, otherwise the report would be an additional data summary.
- Heather Sullivan (ACE) indicated that additional J-2 Range data had been forwarded to the Guard on 10/03 and would be made available to EPA later today or tomorrow (10/04 or 10/05).
- Ms. Dolan indicated that EPA comments on the MSP Phase I Report would be sent out by 10/11. And again comments on the J Ranges Report would be submitted by 10/10.
- Gina Tyo (ACE) reported that the Guard/ACE were still working on the 4th round of comments on the RRA Round 1 COW Report and the meeting for comment resolution should be tentatively scheduled for 10/18.

**BOMARC Site WorkPlan**

- Gina Tyo (ACE) reported that Tetra Tech had developed a scope of work for sampling the disposal area near the BOMARC facility that had been uncovered during the AirMag validation survey. However, the ACE was delaying the submittal of the Plan pending a review by Nick Iaienarro (ACE) of what type of materials might be encountered as a safety precaution.
- Bill Gallagher (IAGWSPO) explained that the scope included excavation of the pit and post excavation sampling; no decisions had been made regarding waste sampling. Larry Hudgins (Tetra Tech) pointed out that a radiological survey and air monitoring would be conducted during excavation.
- Todd Borci (EPA) pointed out that capacitors would be expected to contain PCBs and VOCs.
- Ben Gregson (IAGWSPO) inquired if anyone had been identified who might know what the materials were.
- Ms. Tyo explained that Mr. Iaiennaro would be looking in to what type of wastes would be expected, which may aide in determining how to characterize them. Mr. Iaienarro was waiting on receipt of some materials today. Hopefully, the WorkPlan could be submitted next week.

**Miscellaneous**

- Jane Dolan (EPA) noted that Heather Sullivan (ACE) had forwarded dye results for groundwater sampling in an 8/1 email and indicated that AMEC was reviewing the toxicity information on these compounds. An update was requested for the 10/11 Tech meeting.
- Ms. Dolan asked Karen Wilson (IAGWSPO) how site restoration at Mortar Target 9 was proceeding. Ms. Wilson indicated that 42 plantings had been completed and that they appeared to be in good shape.
- Ms. Dolan asked about the OE WorkPlan for Former H Range. This workplan was supposed to be submitted by Friday, but more time had been requested. Ms. Dolan thought it would be submitted this week. Gina Tyo (ACE) to check with the Baltimore District Corps.

The Guard, EPA, and MADEP had a meeting on October 11 to discuss technical issues, including the following:

**RAD Survey Protocol**

- EPA requested that the protocol be discussed in a meeting/conference call next week with

Resolution of DU comments.

- Jane Dolan (EPA) asked what was the specific instrument that would be used for monitoring. Larry Hudgins (Tetra Tech) indicated it was the instrument that they had in the field office that was used to detect low energy alpha, beta, and gamma rays. The instrument was a Victoreen; Mr. Hudgins to check on model number.
- Ms. Dolan asked what was the source of the checklist in the protocol. Mr. Hudgins indicated that the source was experience and the manual.
- Regarding the DU Comment Resolution meeting, Ellen Iorio (ACE) indicated that a comment response would be forwarded to the agencies by the end of the week. The Resolution meeting could be held next week with discussion of RAD protocol.

**HUTA 2 Scope**

- Ellen Iorio (ACE) indicated that the Corps would be providing a brief synopsis on agreements made during last week's meeting regarding the HUTA scope. HUTA2 transect maps would be provided in hard copy today. The Guard/ACE was looking for approval from DEP/EPA to proceed. Feedback on HUTA2 maps was requested ASAP. Copies of the maps would be emailed to Todd Borci (EPA).
- Jane Dolan (EPA) inquired about the age of the photograph used for the transect maps. Joe Dauchy (Tetra Tech) thought it was from 1975, but will confirm. Punchlist item to be set for approval.

**Demo Area 2**

- Todd Borci (EPA) indicated that he had not seen digmaps for Demo 2 validation.
- Gina Tyo (ACE) indicated that 12 anomalies had already been validated. Failure to provide digmaps/notification to the agencies had been the Corps' disconnect. The Corps would make adjustments as needed. In the interim, Tetra Tech was continuing to verify the remaining 13 anomalies.
- Larry Hudgins (Tetra Tech) indicated that to date no UXO-related material had been uncovered. All materials were scrap.
- Mr. Borci indicated that the validation could proceed, but if fieldwork is conducted again without the EPA's concurrence, the contractors will be asked to stop work.
- Mr. Borci asked if the lower branches had been trimmed, but the vegetation left intact in the areas at Demo 2 that they had discussed. And if the areas that weren't covered were indicated on the map. Mr. Hudgins indicated yes.
- Jane Dolan (EPA) asked what was the seeded item (added to survey area for QA/QC purposes) that wasn't detected. Mr. Hudgins indicated that it was a pipe; all seeded items were pipes buried at various depths.
- Ms. Dolan requested a table showing the various thresholds that were used per area to select anomalies to validate.
- Mr. Borci requested that the latest scopes of work for the MSP projects be faxed or emailed to his attention.
- Mr. Borci asked if any work was being performed related to verification of the AirMag targets. Gina Tyo (ACE) indicated that Tetra Tech was groundtruthing cultural/geologic items. It was the Corps' understanding from the AirMag meeting that the agencies concurred with the need to verify certain cultural and geologic features, but that the EPA was also looking for some additional verification. The Corps assumed that verification of the agreed upon features could proceed. The Corps had intended this information to help further define the scope of the AirMag verification/validation and provide information (visual as well as historic) on what the cultural features are. Ms. Tyo had informed Ms. Dolan after the 10/04 Tech meeting that verification activities would be conducted the week of 10/08 and that

additional verification targets were still being considered. The Corps assumed that the agencies and the Corps would reconvene regarding scoping the additional work.

- EPA indicated that it had been their assumption that the Corps would provide an anomaly/pick list at the 10/04 Tech meeting. And that verification would proceed only after the agencies had reviewed the list and commented. Mr. Borci pointed out that the EPA might have areas that they want verified that are near the areas that the Corps is already groundtruthing. Coordinating the groundtruthing effort would aide in streamlining the verification process.
- Ms. Iorio indicated that she had received the verification list only yesterday and could forward the list by next Friday. The list Tetra Tech is currently working off of is the same as the list from Tetra Tech's presentation. Ms. Iorio suggested that AirMag verification, HUTA2 and MSP scopes of work be discussed/approved in a breakout session after the 10/25 Tech meeting.

**Former H Range**

Ellen Iorio (ACE) provided a brief overview of work conducted/completed at the Former H Range.

- For the lead removal project, excavation has been completed. Erosion maps were prepared and the area had been hydroseeded. Analytical results were received and indicated that no further excavation was required. The project was complete except for moving the access road. Excavated soil classified as hazardous had been sent to Pennsylvania; non-hazardous soil had been sent to Bourne. A Completion of Work Report would be drafted and provided to the agencies.
- For the Military Features, these areas had been sampled; analytical results are pending.
- For groundwater monitoring, monitoring wells were installed and sampled; analytical results are pending.
- The Corps owes the agency a WorkPlan that will provide well details and method detection limits. The plan will be fedexed to the agencies by mid next week. The Ordnance and Explosive Work Plan will be sent next Friday, 10/19.

**SE Ranges Plume Maps**

Herb Colby (AMEC) indicated that the following changes had been made to the plume maps and additional changes were to be discussed at this meeting mostly to resolve discrepancies among various comments on the original maps. The majority had agreed upon the changes indicated below:

- added particle tracks with the extraction system on.
- added for "Internal Discussion Purposes Only" on maps.
- added plume overlay to the aerial photograph.
- made minor changes to plume shape based on particle tracks.
- added identification information requested.
- made detection of RDX at MW-130, a singular dot.
- 90WT0013 area changed from 2-10 ug/L to ND-2 ug/L.
- labeled proposed wells.

- Heather Sullivan (ACE) stated that the Guard/ACE's preference was that the plume boundaries be narrowed to reflect only the exact areas where contaminants had been detected. In addition, they would prefer one set of maps (not separate scoping and IART maps) so that the IART would also be able to see/participate in the progress/process of scoping of the wells. The Guard/ACE generally agreed with Len Pinaud's (MADEP) written comments and would prefer to revise the plume maps accordingly.

- Herb Colby (AMEC) pointed out that the Perchlorate map in particular was a "stretch" since it was based largely on three detects separated by some distance. This plume emphasized the relatively high hits at MW-163 and MW-132 and took into account the HMX and RDX plumes, since in other areas on base the perchlorate distribution mirrored the distribution of these explosives.
- COL Bleakley (JPO) concurred that he preferred a more conservative approach, conservative meaning narrower plumes more confined by actual detections. Based on his experience with the IRP program, the public was more accepting of starting the plumes small and growing them based on additional detections. It seemed difficult for the public to accept larger plumes that were narrowed by artistic/scientific license without the aide of an extraction system. Furthermore, JPO's combined plume maps that are based on stricter guidelines would look quite different than the IAGWSP plume maps as now depicted.
- EPA concurred with dashing the > 2 ppb contour centered on MW-132 and MW-172 and moving the end of the >2ppb plume more north. But still preferred the broader plumes.
- COL Bleakley further pointed out that it would be good to use yellow versus red dots to distinguish between detections above the HA such as those used on the Monthly maps rather than all red dots. Tina Dolen (IAGWSPO) concurred with this suggestion since it would allow for consistency of presentation to the public. Marc Grant (AMEC) pointed out that the IART maps do not distinguish between detections above HAs, all detections are red dots. Dave Williams (MDPH) suggested that a table be added to the map that lists specific concentrations.
- COL Bleakley also suggested that detection at 90WT0013 be removed because only the one detection of RDX had been recorded for this well and that was in 1999. Plume maps should be used to depict current data, where plume is now.
- COL Bleakley indicated that the SMB had questions about the FS-12 extraction system, requesting that the extraction wells be added to the figure. Also it should be noted that not all groundwater within the outlined capture zone is captured since the capture zone is three dimensional, but the boundary shown on the maps only represents the extent of the capture zone at the top of the water table. Marc Grant (AMEC) pointed out that particle tracks showed what detections would be captured.
- Mike Jasinski (EPA) stated that it was obvious there still was not concurrence on how the plume maps should be drawn so the maps would obviously not be ready for the next IART meeting. Maps should be presented at the December IART. Ed Wise (ACE) asked if the analytical results would be available from the proposed J Range wells by that time. Mr. Colby said possibly; John Rice (AMEC) pointed out that the drilling schedule was set but tentative.
- Ms. Dolan thought that the meeting today would include discussion of additional wells to define plumes. Ms. Sullivan indicated that the Corps understood that additional wells would be proposed in the EPA's comments on the J-1, J-3, L Range Report. Mr. Colby pointed out that it was the Guard's understanding that any additional wells would be included in the scope of Additional Delineation Work Plan #2. Ms. Dolan did not agree with this assumption. Mr. Rice pointed out that it was proving to be difficult to meet drilling schedules for the currently scoped wells because of overlapping of the exclusion zones for the UXO clearance of well pads and the drill pads ready to be set up upon. Ms. Dolan requested that AMEC propose additional wells for defining plume boundaries for discussion at the 10/18 Tech meeting.
- Ms. Sullivan stated that the AMEC would revise the plume maps to reflect a version that the Guard/Corps was more comfortable with. This would include taking 90MW0054 out of the RDX plume map, moving the >2 ppb contour up (north) on the RDX map, and taking a closer look at the perchlorate map. Plus the Corps hadn't felt comfortable about extending

the L Range RDX plume further north as Ms. Dolan requested, based only on the backward particle tracks. Mr. Colby to provide revised plume maps tentatively by 10/18 Tech meeting.
- Ms. Dolan stated the she had emailed the J-1, J-3, L Range Report comments earlier today, 10/11.
- Todd Borci (EPA) indicated that Cleared Area 11, a Phase IIb site, had been moved to the J Ranges and that it needed to be addressed. Mr. Colby indicated that it was the Guard's intent to include the area within the scope of Additional Delineation Work Plan #2.

The Guard, EPA, and MADEP had a meeting on October 18 to discuss technical issues, including the following:

**MW-7/MW-80 Perchlorate Detections**
- Marc Grant (AMEC) distributed a map showing forward and backward particle tracks from MW-7 and MW-80, which had recent detections of perchlorate. Particle tracks are based on 1993 average conditions. Forward particle tracks show a travel-time of 5 to 10 years until water at MW-80 reaches sentry wells in Bourne.
- Heather Sullivan (ACE) indicated that based on this information, Bourne wells (97 series) would be sampled for perchlorate.
- Todd Borci (EPA) asked that this item be added to next week's agenda to give him time to review screen depths of wells MW-70 and MW-152, which fall on or near particle tracks.
- Discussion ensued about a possible press release. Based on Len Pinaud's (MADEP) recommendation, the team decided to wait for Bourne well data to decide if a press release was necessary. For comparison, Mr. Pinaud stated that the IRP protocol is that a press release is issued if a detection above a health advisory level occurs in a public water supply well. Mr. Pinaud stated that it was appropriate to notify the IART at the next meeting.

**J2P-11 Profile Data**
- Herb Colby (AMEC) explained that Boring 30 (J2P-11), a proposed well location immediately downgradient of the J-2 Range Melt/Pour Building, was sampled at the water table. Data show that no explosives or perchlorate were detected in these profile samples, as shown on table provided. A second well (MW-122S) that was located within 100 feet of this location, but not directly downgradient of the building, also showed no detections. Mr. Colby recommended that a well not be set at this location.
- Jane Dolan (EPA) agreed that a well was not needed at this location.

**CS-19 Update**
- Ken Gaynor (Jacobs) indicated that Jacobs would be doing a presentation on the IRP vadose zone modeling approach at CS-19 using SESOIL and VLEACH at the IRP Tech meeting Wednesday 10/24 at 9 am. Interested parties are welcome to attend.
- Borings are being completed at CS-19 next week; profile samples will be analyzed for VOCs and explosives. Forward and backward particle tracks from any detections would be used to determine screen settings for up and downgradient wells.

**J-Range Plume Maps**

Herb Colby (AMEC) distributed new draft of J-Range plume maps (RDX, HMX, perchlorate) and memo explaining rationale for drawing plumes. The new maps incorporated the following changes:
- Narrower discontinuous plumes limited by detections.
- Extraction wells added, only those that intercepted particle tracks from detections for simplification.

  - Added groundwater contours.
  - Added text stating latest data only used for plume boundaries.
- Jane Dolan (EPA) asked that X-sections of plumes be provided by 10/25 to review in conjunction with the plan view maps.
- Mike Jasinski (EPA) pointed out that based on the tentative well schedule that showed J-Range proposed wells being installed in November and December, this data could not be used to further delineate plumes for presentation to the December IART.
- Ben Gregson (IAGWSPO) preferred that in the initial presentation, the plume maps be shown only as an overhead and not provided as a handout for the IART, similar to what had been done for the Central Impact Area plume map. Plume maps would become available for public distribution when they were published in the report.
- Mark Panni (MADEP) asked why the particle tracks were not perpendicular to the groundwater contours. Mr. Colby explained that the particle tracks are based on average conditions (1993 model) whereas groundwater contours are based on the most current water level data. The closer the particle tracks are to the top of the mound the greater the disparity between the particle tracks and the groundwater contours.
- COL Bleakley (JPO) pointed out that having the capture zone for the FS-12 extraction system on the maps was confusing, since the edge of the capture zone was not a vertical plane. This gives the impression that water would be captured at one location when it isn't actually, because although the surface or shallow groundwater is captured, the deeper groundwater at the same location may not be captured. Len Pinaud (MADEP) pointed out that even if stream lines from particular wells weren't captured (such as those in vicinity of Snake Pond with RDX contamination) this doesn't mean that RDX containing water in the vicinity was not captured.
- Ben Gregson (IAGWSPO) indicated that he was in favor of removing the FS-12 capture zone. Mr. Pinaud (MADEP) indicated that there might be some use in depicting the zone.
- Ms. Dolan offered the following comments:
  - Add greater than 10 ppb contour for RDX detection at MW-164.
  - Did not like that the western HMX plume was split into northern and southern plumelets since the HMX plume should mirror the RDX plume.
  - Add greater than 10 ppb contour for perchlorate plume.
  - Draw RDX, HMX and perchlorate plumelet same length at MW-132.
  - More comments to be provided after reviewing cross-section depictions.
- In response to Ms. Dolan's inquiry as to why the western HMX plume was split into a north and south half, while RDX plume was left intact, Mr. Colby pointed out the there were no HMX detections in wells from the central part of the plume, although there were RDX detections. Mark Panni (MADEP) also stated that he preferred that the plume not be drawn in this area if there were no documented detections.
- Ben Gregson (IAGWSPO) pointed out that the perchlorate isoconcentration contour for non detect needed to be based on the reporting limit, regardless if that was greater or less than the EPA limit of 1.5 ppb. Todd Borci (EPA) agreed that that was a valid point, thought that the limit was 1.8 ppb, but has asked that it be lower, so will check on current limit.
- Dave Williams (MDPH) asked if the zones of contribution for the water supply wells intersect the northern plume on some level. Mr. Borci replied probably. Mr. Colby indicated that there was not enough information provided on the ZOCs three-dimensional shape to depict them in the cross-sections.
- Darrell Deleppo developed the following review/comment schedule for the J Range plume maps to allow them to be finalized by the December 4 IART meeting.
  - X-sections due 10/25
  - Final comments 11/8

- Comment resolution 11/15
- Hard copy for report, late Dec-early January

**BOMARC HTRW Site Scoping**

Ellen Iorio (ACE) provided a background document on potential wastes at the BOMARC site and preliminary scope of work for investigation of this anomaly.

- Nick Iaiennaro (ACE) indicated that currently he was still not certain if all hazards were adequately identified at the site. This concern was partially based on information received last week indicating that radioactive tubes may be part of the waste materials. Information was being requested from BOEING on the actual components, and at a minimum another week was needed to further evaluate the hazards. Mr. Iaiennaro indicated that he was particularly concerned about hazards posed by weapons systems, which the IRP had not encountered in their investigations. The anomaly was approximately 20 ft by 20 ft, but because of the presence of magnets, the magnetometers "rang off" from some distance away from the anomaly.
- Todd Borci (EPA) requested that instead of collecting six composite samples from the excavation base, that some of these samples be used for waste characterization. Ms. Iorio indicated that one composite sample from the base of the excavation was likely sufficient; the remaining five could be used for waste materials.
- Mr. Borci further requested that the schedule be expedited. Once Mr. Iaiennaro obtained necessary information (2 weeks time), the Workplan should be finalized. The background information and scope of work that were just distributed at the meeting were sufficient for his review prior to seeing the draft workplan. Mr. Borci would provide comments by 10/23; no major comments were envisioned as a cursory review suggested that everything looked good. The background information and scope should be consolidated into one document to serve as the Workplan. Requested that draft Workplan be provided 11/01.
- Len Pinaud (MADEP) requested a location map for the anomaly to facilitate their review. Corps to provide.

**Phase IIb Additional Workplan Delineation**

- Len Pinaud (MADEP) indicated that MADEP has prepared comments on the draft Report. However, these comments will be reviewed in association with the revised draft Report received 10/18. Ben Rice (AMEC) indicated that comments on revised draft are due 11/8.
- Discussion ensued on how the Phase IIb Report and Phase IIb Supplemental Report (report of additional tasks and areas considered as Phase IIb areas) would be handled. The original intent was to finalize the Phase IIb Report as revised in early January and draft the Phase IIb Supplemental Report as a separate document. Bill Gallagher (IAGWSPO) indicated that he thought the agreement was that the revised draft Phase IIb would remain as a draft until the ongoing activities were completed, then all the information would be redrafted as a comprehensive Phase IIb Report. Todd Borci (EPA) reasoned that that would be too large of a report and suggested that the Report be split into a Phase IIb Report and Small Arms Ranges Report.
- Mr. Rice indicated that the reconnaissance visits for the additional sites would be scheduled on eight consecutive Wednesdays, beginning 10/31. Mr. Rice to draft schedule of site visits by 10/19. Other sites could be visited first, followed by Small Arms Ranges. Mr. Borci indicated that they might want to discuss Mock Village first. The schedule/attendees should be discussed at 10/25 Tech meeting.

**Long Term Monitoring for VOCs**

Todd Borci (EPA) provided a list of well screens that EPA was requesting to be sampled for VOCs in conjunction with the December sampling round. Once these results were received, further discussion should be conducted regarding future sampling status.
Mr. Borci requested that feedback on this list be provided by the 10/25 Tech meeting. And yes he understood that some of these screens would be sampled by AFCEE in the coming weeks, but he was still requesting that the Guard's contractors sample these screens. Approximately 30 well screens were selected. Wells such as Central Impact Area Response wells MW-91, MW-93, and MW-101 were selected because of perchlorate detections.

**Draft Combined Schedule**

Todd Borci (EPA) emailed a conditional approval on the Draft Combined schedule on 10/17. This schedule included 2½ pages of modifications. Issues (Phase IIb/Gun & Mortar) could be discussed next week so that a final schedule could be resolved by 10/30.

**Demo 2/Former A Range EM61 Anomalies**

Ellen Iorio (ACE) distributed an EM61 map of Demo 2 that showed only the signal strength above 45mv. An accompanying table listed all anomalies with coordinates and the anomalies that had been excavated. Four separate dig maps for Former A Range were also distributed. These maps showed the EM61 anomalies and Tetra Tech's recommendations for excavation.

- Ellen Iorio (ACE) pointed out that Tetra Tech/ACE/EPA reviewed procedures for selecting anomalies as picks on 10/15; it is based on more than just the signal strength. At Demo 2, a 45-mv signal strength was used as a threshold value.
- Todd Borci (EPA) indicated that this information would be reviewed; EPA will look at areas that they would have liked to have had validated but were not given the opportunity to provide input. Mr. Borci preferred the maps provided at the 10/11 Tech meeting that used gray coloring to depict residual vegetative covering. Doug Lam (Tetra Tech) indicated that this information could be added to these maps.
- Mr. Lam reviewed EM61 anomaly maps of Former A Range. Four distinct grids (A-D) were surveyed at the range targets. Grid A is along the steep slope of one backstop. There has been some sloughing of material, maybe small frag toward the base. Grid B is the down slope of the backstop, near the railroad tracks. Increased signal intensity occurs near the tracks. Signal also likely represents a lot of small frag in the shallow subsurface. Grid C consists of square grids and paths through trees. This is the upper part of the second back slope, that is not as sloped as the A grid, so the same sloughing effect of small frag is not observed. Grid D is the lower portion of the second backstop, some washing effect (from runoff) is also observed in this grid. Again this is likely small frag.
- Mike Jasinski (EPA) requested a list and location/depth of emplaced (inert 2.5 inch rockets) items.
- Mr. Lam indicated that caches of rockets (two groups) were discovered in the roadway cleared for target access.
- EPA reviewed anomaly maps for each grid. For Grid D, EPA requested that trench proposed to validate anomalies 68/67 be extended south toward next magnetic anomaly.
- For Area C, Mr. Jasinski asked why anomaly 59 was selected but not larger and stronger signal anomalies south and east of anomaly 59. Mr. Lam indicated that anomaly 59 had longer decay rate, more "staying power".
- For Area B, Mr. Lam pointed out that there was a lot of surface scrap that may be masking the area. Tetra Tech was proposing to trench in the polygon area.

- For Area A, Mr. Jasinski pointed out that some proposed work was trenches while other work wasn't. Mr. Lam indicated that anomaly 59 was a broad signal and it was difficult to select specific points in such a "noisy" area. Mr. Borci requested that trench at anomaly 99 be extended or that a point of validation be added in the broader area around anomalies 59/99 into road, since the large anomaly was indicated in road. Mr. Lam indicated that shallow trenches could be extended 5 meters on either side of both anomalies.
- Mr. Borci further requested that during validation, careful notes be taken regarding frag.

**N Range Mortar Discovery**

- Nick Iaiennaro (ACE) notified the Tech team that a 81mm mortar cache had just been discovered 20 feet south of N Range firing line, coincident with AirMag anomalies 32886/32862. So far, 8 partially exposed mortars were uncovered. One was visibly marked as an M73 dummy and the fuze was exposed.
- Engineering controls were being reviewed because of the proximity of the cache to areas of public access, such as partitioning off the area with sand filled roll-off containers. Tina Dolen (IAGWSPO) was making the appropriate official notifications.
- COL Bleakley (JPO) asked if a different process could be utilized to determine if the rounds were inert, to avoid excessive precautions and associated activities. Mr. Iaiennaro indicated that purchase of a field portable Small Parcel Explosive Detection System (SP-EDS) unit using Thermal Neutron Analysis technology was being considered. But regardless, the rounds still would need to be excavated and the appropriate protocols followed.
- Jane Dolan (EPA) indicated that no more validation should proceed prior to workplan submittal/approval. AMEC should be included in comment review. Mr. Borci indicated that surface soil samples need to be collected prior to initiating excavation.
- Anomaly verification (non intrusive) was approved to be continued.
- EPA requested that the anomaly validation protocol be discussed at the 10/25 Tech meeting.

**Miscellaneous**

- Jane Dolan (EPA) requested that the Guard's attorney contact Textron's attorney to arrange the interview with Witness 19.
- Todd Borci (EPA) indicated that comments on the advertisement copy (soliciting information on Camp Edwards) for submission to military magazines were provided late last night via email. Ms. Dolan asked why the 448-character restriction was specified. Carla Buriks (Tetra Tech) indicated that the 448-character restriction was due to the price of a 1-inch ad. Corps to fax advertisement price schedule to EPA.
- Ms. Dolan requested a copy of the USGS groundwater age-dating proposal, as requested previously.
- Ms. Dolan requested that Ben Gregson (IAGWSPO) draft a written request to COL Bleakley at the Joint Program Office to provide a water supply update at the 10/25 Tech meeting. COL Bleakley had earlier requested a written request from EPA based on Ms. Dolan's request.
- Mr. Borci noted that his base pass expires on 10/31 and asked how he would get another pass.
- Demo 1 Soil Scoping Meeting was set for Tuesday 10/23 at 1 pm.
- Ms. Dolan requested an update on the number of sampling rounds per parameter for J Range area wells.
- Ellen Iorio (ACE) indicated that the MSP2 scopes of work and HUTA2 concept and statement of work had been sent to the agencies. Ms. Iorio asked if it was OK to start on the required record of actions. Mike Jasinski (EPA) indicated that work for the Gun and

Mortar sites should be held since EPA would like to see additional trails surveyed. Mr. Borci indicated that 4 of 5 sites in the HUTA2 scope were OK, but wanted to check on exact location of the 5 corners site. Ms. Iorio indicated that the Corps will notify agencies when clearing and grubbing activities commence in these areas, but will assume approval to proceed unless they hear otherwise.

- Marc Grant (AMEC) requested a date for the resolution meeting on Central Impact Area GW PSI Workplan. Mr. Jasinski indicated that a meeting wasn't needed. Only comment was a clarification to Comment Response 3 regarding adequacy of groundwater treatment. This could be discussed following Demo 1 scoping meeting on 10/23.
- Ms. Dolan asked about the status of copies of the NRC files (Archive Search Report Deliverable) that were to be provided in conjunction on 10/15.

EPA convened a meeting of the Impact Area Review Team on October 23, 2001. Topics discussed during the meeting were the AFCEE CS-19 investigation, Demo 1 Groundwater Feasibility Study, and the Small Arms Ranges. The tentative date for the next meeting is December 4, 2001.

The Guard, EPA, and MADEP had a meeting on October 25 to discuss technical issues, including the following:

**ASR Presentation**

Tom Rust (Tetra Tech) provided a demonstration of how the ASR database (that was still in the process of being developed) could be used to answer questions relative to the MMR Impact Area Groundwater Study. Currently the data is accessible using GIS software ARCVIEW. But as part of the ASR project, a web site is being developed to access this information without the use of this software. Eventually, all the data obtained through the Archive Search process and ultimately the Munitions Survey Project (produced by Tetra Tech) and Groundwater Study data (produced by AMEC) will be incorporated into the database for general access. Mr. Rust gave a demonstration (using a laptop PC projecting onto a screen) of how a specific question such as "can we select targets from specific years and determine firing positions for a specific year" could be answered by querying the database using ARCVIEW.

In response to specific questions, Mr. Rust explained that a Table of Contents of available information in the database will be provided on the web page. However, the database is still in the process of being developed and is not yet ready to be published. There are hundreds of complete data layers, but they are constantly being updated. The information has already been used internally in reports and to develop scopes of work. Maps that have been generated during the data evaluation stage, but not published will be available as an annex on the web site. Example questions (queries), that interested parties would like the web site to be able to address, would be welcomed input.

**N Range Update**

Rob Foti (ACE) provided an update on the 81mm Mortar Disposal Area recently discovered at N Range.

- 1830, 81mm Mortars, inert, fuzed and finless and 1 unfuzed mortar (total 1831) were uncovered at the N Range disposal area. Stenciling on the mortars indicated that the rounds are inert filled and dummy fuzed. The fact that the rounds are finless indicates that they were not buried with an explosive propellant charge.

- Lot numbers found on the rounds are being researched to determine origin. Ben Gregson (IAGWSPO) indicated that the rounds were from the 1970's and may provide useful information for the corrosion study.
- The excavation is 25 feet by 30 feet and 5 feet 4 inches deep (at the deepest point). The mortars and excavated soil have been stockpiled on polyethylene sheeting. Samples have been collected at the base of the excavation and from the surrounding soil. During excavation, updates were provided to select parties two times daily. The excavation has been backfilled and the area demarcated with a snow fence.
- Tetra Tech is preparing to excavate an additional anomaly 10 feet SE of the mortar disposal pit this afternoon, 10/25. A proposal will be submitted to the agencies to further investigate other areas in the adjacent woods at N Range that appear to be disturbed and are associated with lower intensity AirMag anomalies that were not included in the original pick list.

**MW-7/MW-80 Perchlorate Detections**

- Marc Grant (AMEC) distributed cross-sections of the backward particle tracks from MW-7 and MW-80, which had recent detections of perchlorate.
- The MW-80 backtrack intersects the MW-70 borehole, but does not intercept either of the two well screens. Perchlorate results from MW-70S are nondetect. Samples from this well screen were collected in August.
- The MW-7D backtrack intersects the MW-152 borehole but not any of the well screens and terminates near MW-136. All screens at these wells have been sampled for Perchlorate and there have been no detections.
- Jane Dolan (EPA) indicated that based on the termination of the backtrack from MW-7D at the interberm area on J-1 Range, proposed wells J1P-11, J1P-15 and J1P-4 should be profiled for perchlorate. Mr. Grant pointed out that the perchlorate data rush turn-around time is about 2 weeks, so these results could not be used to set well screens.
- Len Pinaud (MADEP) asked if an anomaly or other feature had been seen at the terminus of the MW-80 backtrack. Heather Sullivan (ACE) to check.
- Data for the Bourne wells should be available in 2 weeks. Tina Dolen (IAGWSPO) discussed sampling with the Bourne Selectman and members of the Senior Management Board. MW-80 and MW-7D were resampled and the results should be available today 10/25. Todd Borci (EPA) requested that this information be forwarded as soon as available.

**BA-1 Disposal Area Scope of Work**

Ellen Iorio (ACE) indicated that comments were received on the scope of work from MADEP, waiting on comments from EPA.

- No new information was received from Boeing regarding the BOMARC weapons system through an Internet Search or personal contact with a Boeing employee. Official efforts to contact Boeing had not been made. The Corps was planning to proceed with the existing information. Contingency plans have been developed for various situations/items that may be encountered in excavating the material.
- Len Pinaud (MADEP) asked if the Corps was confident that they had sufficient information to move forward. Ellen Iorio (ACE) indicated that the Corps was confident that the Tetra Tech had the appropriate experience to address various situations that might be encountered. The team member's resumes would be included in the Draft Workplan.
- Todd Borci (EPA) indicated that he had minimal comment on the background information/scope of work as long as these two documents were combined in the Draft Workplan. Would take one minute following the Tech meeting to review his comments with Ms. Iorio.

**Phase IIb Supplemental Site Investigations**

Heather Sullivan (ACE) distributed two schedules for the additional reconnaissance visits at Phase IIb sites.

- First schedule was for site visits to be conducted on consecutive Wednesdays, beginning 10/31. The second schedule was for site visits to be conducted on Wednesdays and Thursday afternoons, also beginning on 10/31 but ending before Thanksgiving. The second schedule had been requested and was preferred by EPA.
- The schedules listed sites to be visited for each day, probable attendees, and dates where Tetra Tech personnel should be included to provide input.
- First site visit to begin 8am, 10/31 meeting at Range Control. Site visits proposed to be conducted all day Wednesday, half day on Thursday.
- ACE to be notified of any requested changes to the schedule.
- Desiree Moyer (EPA) to be added to list of attendees.

**J-Range Well Sampling**

- Herb Colby (AMEC) presented a table to Jane Dolan (EPA) showing Southeast Ranges area wells, dates sampled, and sampled parameters. The table still had some glitches (extra information).
- Heather Sullivan (ACE) indicated that a revised table would be distributed by email when it was completed.

**Draft Combined Schedule**

Marc Grant (AMEC) distributed the summary of the Document Status, a table showing the 6 month Document List, and a 3-month Look-Ahead Gantt Chart for IAGWSP activities.

- HUTA1 FS – Mr. Grant inquired if the HUTA1 FS could be eliminated by rolling the UXO component of the HUTA1 FS into the Central Impact Area soil FS. Todd Borci (EPA) indicated that that would be appropriate.
- J-1/3/L Ranges Final Report, AD Workplan #1, AD Workplan #2 – Mr. Grant asked if the Final Workplan #1 Report (similar to the J-1/3/L Draft Report) could be left in draft form and all information could be combined in a Draft Final Report to be completed at the conclusion of the AD Workplan #2 Investigation. In this way there would be a single Final J-1/3/L Range Report that incorporated all the data collected. EPA indicated a single Draft Final Report was acceptable. Todd Borci (EPA) suggested that a scoping meeting be held to agree on the maps to be included prior to drafting the Final report.

**Miscellaneous**

- Jane Dolan (EPA) asked Ben Gregson (IAGWSPO) if the Guard's attorney had contacted Textron's attorney regarding scheduling an interview with Witness #19. Mr. Gregson responded yes, this contact had been made.
- Ms. Dolan asked that it be documented that the Joint Program Office had declined the EPA's request through the IAGWSPO to provide an update on the Water Supply Project at the Tech meeting. Ms. Dolan requested a copy of the monthly report that is provided to the state. Len Pinaud (MADEP) to investigate getting a copy of the latest report.
- Ms. Dolan asked Dave Hill (IAGWSPO) to provide a copy of USGS' proposal for groundwater age dating for further groundwater model calibration.
- Ms. Dolan asked the ACE if they had any comment regarding the memo she sent on the Demo 1 dyes. Ms. Sullivan indicated that the memo was still being reviewed.
- Gina Tyo (ACE) distributed copies of the last 5 ASR interviews and the revised draft advertisement copy to be submitted to the Military magazines. Len Pinaud (MADEP)

indicated that Richard Hugus (Falmouth resident) had requested copies of the interview transcripts at the 10/23 IART meeting. Ms. Dolan will edit interview summaries for references that may lead to identification of the interviewee, to provide for public distribution.

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## 2. SUMMARY OF DATA RECEIVED

Validated data were received during October for Sample Delivery Groups (SDGs) AO3011, CA3009, CMR002, CMR011, CMR015, CMR016, CMR021, CMR022, CMR023, CMR026, CMR028, CMR040, CMR041, CMR042, CMR043, CMR044, CMR046, CMR047, DMR004, MMR624, MMR629, MMR636, MMR637, MMR642, MMR644, MMR645, MMR647, MMR648, MMR649, MMR650, MMR659, MOR026, MOR495, MOR618, RMR002, SMR013 and SMR015. These SDGs contain results for 232 groundwater samples from monitoring wells; 70 groundwater profile samples from MW-120, MW-168, MW-169, MW-170, MW-171, MW-173, and MW-181; 4 soil grab and 153 grid samples from J-2, Former B, GA/GB, and Former H Ranges, GP-11, and Central Impact Area sites; 2 surface water samples from Snake Pond; 19 soil boring samples from boring B-29; 2 crater grab samples; 14 leachate samples; and 12 other samples.

Validated Data

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

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

The concentrations from these analyses are depicted in Figures 1-5 compared to Maximum Contaminant Levels (MCLs) or Health Advisories (HAs) published by EPA for drinking water. The concentrations from Perchlorate analyses are depicted in Figure 6 compared to an EPA Limit. A red circle is used to depict a well where the concentration of one or more analytes was greater than or equal to (GTE) the lowest MCL, HA, or EPA Limit for the analyte(s). A yellow circle is used to depict a well where the concentration of all analytes was less than (LT) the lowest MCL, HA, or EPA Limit. A green circle is used to depict a well where the given analytes were not detected. An open circle is used to depict an existing well where the analytes in question (for example, Explosives in Figure 1) have not yet been measured. Table 3 summarizes the detections that exceeded a MCL, HA, or EPA Limit, sorted by analytical method and analyte, since 1997.

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

The results presented in Figures 1-6 are cumulative, which provides a historical perspective on the data rather than a depiction of current conditions. Any detection at a well that equals or exceeds the MCL/HA/EPA Limit results in the well having a red symbol, regardless of later detections at lower concentrations, or later non-detects. The difference between historical and current conditions varies according to the type of analytes. There are little or no differences between historical and current exceedances of drinking water criteria for Explosives, VOCs, Pesticides, and Herbicides; the minor differences are mentioned in the following paragraphs. There are significant differences between historical and current exceedances of drinking water criteria for Metals and SVOCs, as described further below. There is no historical data available for Perchlorate.

Figure 1: Explosives in Groundwater Compared to MCLs/HAs

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

- Demo Area 1 (wells 19, 31, 34, 73, 76, 77, and 114);
- the Impact Area and CS-19 (wells 58MW0001, 0002, 0009E, 0011D, 0016B, 0016C, 0018A and 0018B; and wells 1, 2, 23, 25, 37, 38, 40, 85, 86, 87, 88, 89, 90, 91, 93, 95, 98, 99, 100, 101, 105, 107, 111, and 113); and
- J Ranges and southeast of the J Ranges (wells 58, 132, 147, 153, 163, 164, 165, 166, 171 and wells 90MW0022 and 90WT0013).

Exceedances of drinking water criteria were measured for 2,4,6-trinitrotoluene (TNT) at Demo Area 1 (wells 19S, 31S, 31M, and 31D), and for hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) at all of the locations listed above. One of the exceedance wells, 90WT0013, has had no detectable RDX in the last six sample rounds (1/99 to 05/01).

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

CS-19 is a site located in the Impact Area. Portions of CS-19 are currently under investigation by the Air Force Center for Environmental Excellence (AFCEE) under the Superfund program. Other portions of CS-19, and the remainder of the Impact Area, are under investigation by the National Guard Bureau. RDX has been measured in groundwater emanating from both CS-19 and the Impact Area. A magenta concentration contour line is used in Figure 1 and the inset to show the extent of RDX exceeding the HA in these areas. This extent is based on samples

from monitoring wells and samples collected during the drilling process ("profile" samples). This extent also considers non-validated data, where the results have been confirmed using Photo Diode Array (PDA). Additional information regarding PDA is provided below under the heading "Rush (Non-Validated) Data". Currently it appears there are multiple sources of RDX in the Impact Area, including CS-19.

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

Figure 2: Metals in Groundwater Compared to MCLs/HAs

Exceedances of drinking water criteria for metals are scattered throughout the study area. Where two or more rounds of sampling data are available, the exceedances generally have not been replicated in consecutive sampling rounds. The exceedances have been measured for antimony, arsenic, cadmium, chromium, lead, molybdenum, sodium, thallium and zinc. None of the 11 antimony exceedances were repeated in consecutive sampling rounds, and only one exceedance (well 50M1) was measured in year 2000 results. Arsenic (in well 7M1), cadmium (52M3), and chromium (7M1) each had one exceedance in a single sampling round in August-September 1999. One of three lead exceedances (ASP well) was repeated in another sampling round and neither of the other two lead exceedances (wells 2S and 7M1) was measured in year 2000 results. Thirteen of the 41 molybdenum exceedances were repeated in consecutive sampling rounds (wells 2S, 2D, 13D, 16D, 46M2, 52D, 52M3, 53M1, 53D, 54M2, 54S, 55D, and 57S). Molybdenum concentrations declined in 12 of these 13 wells. Eight molybdenum exceedances (wells 13D, 16D, 45S, 52D, 53M1, 57S, 57M2, and 81D) were observed in year 2000 results. Two molybdenum exceedances (well 16D and 52D) were observed in year 2001 results. Six of the 15 sodium exceedances were repeated in consecutive sampling rounds (wells 2S, 46S, 57M2, 57M1, 145S, and SDW261160). Five wells (90WT0010, 21S, 46S, 57M1, and 57M2) had exceedances in the year 2000 results; two wells (145S and ASP) had exceedances in the year 2001 results. Seven of the 62 thallium exceedances were repeated in consecutive sampling rounds (wells 7M1, 7M2, 47M2, 52S, 52D, 54S, and 54M1). Twenty-two wells (2D, 3D, 35S, 39M1, 45S, 46M1, 47M3, 47M2, 48M3, 48D, 49M3, 50M1, 52S, 54S, 56S, 56M3, 57M2, 58S, 64M1, 73S, 83S, and 127S) had thallium exceedances in the year 2000 results; four wells (94M2, 132S, 150S and 10D) had thallium exceedances in the year 2001 results. Zinc exceeded the HA in seven wells, all of which are constructed of galvanized (zinc-coated) steel.

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

Figure 3: VOCs in Groundwater Compared to MCLs/HAs

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

Figure 4: SVOCs in Groundwater Compared to MCLs/HAs

Exceedances of drinking water criteria for SVOCs are scattered throughout the study area. All exceedances of drinking water criteria for SVOCs were measured for bis (2-ethylhexyl) phthalate (BEHP), except for two locations in FS-12 (wells 45S and 90MW0003) which had exceedances for naphthalene, and well 41M1 which had an estimated level of 2,6-dinitrotoluene (DNT) that is equal to the HA. BEHP is believed to be largely an artifact of the investigation methods, introduced to the samples during collection or analysis. A detailed discussion of the presence of BEHP is provided in the Draft Completion of Work Report (7/98) and subsequent responses to comments. The theory that BEHP occurs as an artifact, and is not really present in the aquifer, is supported by the results of subsequent sampling rounds that show much lower levels of the chemical after additional precautions were taken to prevent cross-contamination during sample collection and analysis. Only three locations (out of 75) showed BEHP exceedances in consecutive sampling rounds: 28MW0106 (located near SD-5, a site under investigation by AFCEE), 58MW0006E (located at CS-19), and 90WT0013 (located at FS-12). Subsequent sampling rounds at each of these three locations have had results below the MCL. Three wells (49S, 57M2, and 84D) have had a BEHP exceedance in the year 2000 results. Seven wells (28M1, 142M1, 142M2, 146M1, 157D, 168M1, 168M2) have had a BEHP exceedance in the year 2001 results.

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

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

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

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

Figure 6: Perchlorate in Groundwater Compared to EPA Limit

Sampling and analysis of groundwater for perchlorate was initiated at the end of the year 2000 as part of the groundwater study program at Camp Edwards. EPA established a limit for perchlorate of 1.5 parts per billion (ppb) specific to Camp Edwards. At present, there are 36 exceedances of the limit of 1.5 ppb for perchlorate.

Exceedances of drinking water criteria for perchlorate are indicated in five general areas:

- Demo Area 1 (wells 19, 31, 34, 35, 73, 75, 76, 77, 78, 114, 129, 139, and 165);
- Central Impact Area (wells 7, 91, 93 and 101);
- J Ranges and southeast of the J Ranges (wells 125, 127, 128, 130, 132, 158, and 163, and wells 90MW0022, and 90MW0054); and
- Northwest of Impact Area (well 66).
- West of Impact Area (well 80)

Rush (Non-Validated) Data

Rush data are summarized in Table 4. These data are for analyses that are performed on a fast turnaround time, typically 1-5 days. Explosive analyses for monitoring wells, and explosive and VOC analyses for profile samples, are typically conducted in this timeframe. Other types of analyses may be rushed depending on the proposed use of the data. The rush data have not yet been validated, but are provided as an indication of the most recent preliminary results. Table 4 summarizes only detects, and does not show samples with non-detects.

The status of the detections with respect to confirmation using Photo Diode Array (PDA) spectra is indicated in Table 4. PDA is a procedure that has been implemented for the explosive analysis, to reduce the likelihood of false positive identifications. Where the PDA status is "YES" in Table 4, the detected compound is verified as properly identified. Where the status is "NO", the identification of an explosive has been determined to be a false positive. Where the status is blank, PDA has not yet been used to evaluate the detection, or PDA is not applicable because the analyte is a VOC. Most explosive detections verified by PDA are confirmed to be present upon completion of validation. Table 4 includes the following detections:

- Soil from supplemental BIP grid sample HDJ1300038SS5 had a detection of tetryl that was not confirmed by PDA spectra.

- Soil from supplemental BIP grid samples HDA10160101AA had a detection of TNT that was confirmed by PDA spectra.

- Groundwater samples from 27MW0017 had detections of 1,3-dinitrobenzene and nitroglycerin that were not confirmed by PDA. These compounds have never been valid detections in 27MW0017.

- Groundwater samples from 90WT0013 (FS-12) and 90MW0034 (FS-12) had a detection of nitroglycerin that was not confirmed by PDA spectra. Nitroglycerin has never been validated as detections in either of these wells.

- Groundwater samples from 90WT0019 (FS-12) had detections of 1,3,5-trinitrobenzene, 1,3-dinitrobenzene, and 2,6-DNT. The detection of 2,6-DNT was confirmed by PDA spectra and was similar to the previous sampling round.

- Groundwater samples from 58MW0011D (CS-19), 90MW0054 (FS-12), MW-86S, MW-86M2 (Central Impact Area), MW-89M1 (Central Impact Area), MW-90S (Central Impact Area), MW-93M1 (Central Impact Area), MW-95M1, MW-95M2 (Central Impact Area), MW-105M1, M2 (J-3 Range), MW-135M2 (Central Impact Area), MW-143M1, M3 (J-3 Range), MW-157M2 (J-3 Range), MW-161S (Demo Area 2), and MW-166M1 (J-1 Range) had detections of RDX that were confirmed by PDA spectra. The detections of RDX were similar to the previous sampling rounds.

- Groundwater samples from MW-85M1 (Central Impact Area), MW-87M1 (Central Impact Area), MW-88M2 (Central Impact Area), MW-89M2 (Central Impact Area), MW-91M1 (Central Impact Area), MW-93M2 (Central Impact Area), MW-107M2 (Central Impact Area), MW-143M2 (J-3 Range) and MW-166M2, MW-166M3 (J-1 Range) had detections of RDX and HMX that were confirmed by PDA spectra. These detections were similar to previous sampling rounds for these wells.

- Groundwater samples from MW-91S (Central Impact Area) had detections of 2A-DNT, 4A-DNT, RDX, and HMX that were confirmed by PDA spectra. The detections were similar to previous sampling rounds.

- Groundwater profile samples from MW-184 (Central Impact area) had detections of nitroglycerin (3 intervals), 2A-DNT (1 interval), and picric acid (2 intervals). The 2A-DNT detection was confirmed by PDA spectra.

- Groundwater profile samples from MW-185 (Central Impact Area) had detections of 2,4-DANT (11 intervals), 2,4-DNT (18 intervals), 1,3-dinitrobenzene (14 intervals), 1,3,5-trinitrobenzene (11 intervals), nitroglycerin (18 intervals), picric acid (9 intervals), 2-nitrotoluene (4 intervals), 3-nitrotoluene (2 intervals), 2,6-DNT (1 interval), nitrobenzene (4 intervals), PETN (1 interval) and 4-nitrotoluene (5 intervals). One detection of 1,3,5-trinitrobenzene and seven detections of 2,4-DANT were confirmed by PDA spectra. Three detections of nitrobenzene were confirmed by PDA spectra but with interference.

- Groundwater profile samples from MW-186 (Demo 1 Area) had detections of 2,4-DANT (7 intervals), nitroglycerin (6 intervals), and picric acid (10 intervals). All detections of 2,4-DANT were confirmed by PDA spectra.

## 3. DELIVERABLES SUBMITTED

Deliverables submitted during the reporting period include the following:

| | |
|---|---|
| Central Impact Area Groundwater PSI Draft Workplan | 10/02/01 |
| Draft Feasibility Study Report, Demo 1 Groundwater (Technical Memo 01-07) | 10/02/01 |
| Weekly Progress Report for September 24 - September 28, 2001 | 10/05/01 |

| | |
|---|---|
| October 2001 Progress Report | 10/09/01 |
| Weekly Progress Report for October 1 – October 5, 2001 | 10/12/01 |
| Revised Draft Phase II (b) Report (Technical Memo 01-15) | 10/17/01 |
| Weekly Progress Update, October 8 – October 12, 2001 | 10/19/01 |
| Revised Draft IAGWSP Gun and Mortar Firing Positions Report (Technical Memo 01-14) | 10/26/01 |
| Draft Gun and Mortar Positions Supplemental Work Plan | 10/26/01 |
| Weekly Progress Update, October 15 – October 19, 2001 | 10/26/01 |

## 4. SCHEDULED ACTIONS

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

- Finish Draft Final Demo 1 Soil Report
- Finish Central Impact Area Draft Targets Workplan
- Start HUTA Draft Report revision
- Finish HUTA2 Draft Workplan
- Finish Draft J-2 Range Report
- Finish J-1/J-3/L Range Revised Draft Report
- Continue J-1/J-3/L Range Additional Delineation investigation
- Start J-1/J-3/L Range Additional Delineation Report preparation
- Continue J-1/J-3 Additional Delineation Workplan #2 preparation
- Continue Gun/Mortar Revised Draft Final Report preparation
- Finish Gun/Mortar Additional Delineation Workplan
- Continue Phase II (b) Draft Report revision
- Continue Former A/K/Demo 2 Report preparation
- Continue Revised MSP Phase I Draft Report revision
- Finish AirMag Target Lists Draft Report
- Continue Demo 1 Validation Draft Report revision
- Finish Slit Trench Validation Draft Report
- Continue J-1 Range Vehicle Removal Draft Report revision
- Continue ASP Geophysics Draft Report revision
- Finish Former K Range Geophysical Draft Report
- Finish Former A Range Geophysical Draft Report revision
- Continue Succonsette Pond Geophysical Draft Report revision
- Finish Demo Area 2 Geophysical Draft Report
- Continue Groundwater Monitoring Programs
- Continue Draft Demo 1 Area Groundwater FS Report revision
- Start Demo Area 1 Soil Post-Screening Investigation Workplan preparation
- Finish Draft Demo 1 Area Groundwater Post-Screening Investigation Workplan
- Continue Draft Demo 1 Area Groundwater Feasibility Study revision
- Continue Draft UXO Feasibility Study Screening Report revision
- Start Demo Area 1 Groundwater Draft Remedy Selection Plan preparation

## 5. SUMMARY OF ACTIVITIES FOR DEMO 1

Drilling was completed for an additional downgradient well location (MW-186) on Pew Road. Analytical results from additional soil borings and geophysical anomalies validation efforts were evaluated and the Demo 1 Soil Report is being revised and will be submitted in November. Analysis of second, third and fourth round groundwater samples from newly installed wells is ongoing. The groundwater Feasibility Study was completed and submitted on October 2, 2001. Additional monitoring wells are being scoped to define the downgradient edge of the groundwater plume.

TABLE 2
SAMPLING PROGRESS
10/1/2001-10/31/2001



| OGDEN_ID | LOCID OR WELL ID | SAMPLED | SAMPLE TYPE | SBD | SED | BWTS | BWTE |
|---|---|---|---|---|---|---|---|
| P.A.2.00008.3.0 | p.2.00008.r | 10/05/2001 | CRATER | 0.66 | 0.91 | | |
| HDA09110101AA | A09110101 | 10/12/2001 | CRATER GRAB | 0.00 | 0.25 | | |
| HDA10020101AA | A10020101 | 10/12/2001 | CRATER GRAB | 0.00 | 0.25 | | |
| HDA10160101AA | A10160101 | 10/19/2001 | CRATER GRAB | 0.00 | 0.25 | | |
| HDA10170101AA | A10170101 | 10/18/2001 | CRATER GRAB | 0.00 | 0.25 | | |
| HDA10170101AA | A10170101 | 10/19/2001 | CRATER GRAB | 0.00 | 0.25 | | |
| HDA10170101AD | A10170101 | 10/19/2001 | CRATER GRAB | 0.00 | 0.25 | | |
| HDJ120034RPE1 | J120034RPE | 10/02/2001 | CRATER GRAB | 0.00 | 0.25 | | |
| HDJ120034RPE2 | J120034RPE | 10/02/2001 | CRATER GRAB | 0.00 | 0.25 | | |
| HDJ120034RPE3 | J120034RPE | 10/02/2001 | CRATER GRAB | 0.00 | 0.25 | | |
| HDJ260MMPE1 | J260MMPE | 10/02/2001 | CRATER GRAB | 0.00 | 0.25 | | |
| HDJ260MMPE2 | J260MMPE | 10/02/2001 | CRATER GRAB | 0.00 | 0.25 | | |
| HDJ260MMPE3 | J260MMPE | 10/02/2001 | CRATER GRAB | 0.00 | 0.25 | | |
| HDJ281MM2PE1 | J281MM2PE | 10/02/2001 | CRATER GRAB | 0.00 | 0.25 | | |
| HDJ281MM2PE2 | J281MM2PE | 10/02/2001 | CRATER GRAB | 0.00 | 0.25 | | |
| HDJ281MM2PE3 | J281MM2PE | 10/02/2001 | CRATER GRAB | 0.00 | 0.25 | | |
| GTR.A.2.00029.1.0 | GTR.2.00029.R | 10/19/2001 | CRATER GRID | 0.25 | 0.50 | | |
| GTR.A.2.00029.2.0 | GTR.2.00029.R | 10/19/2001 | CRATER GRID | 0.25 | 0.50 | | |
| MT.A.4.00001.4.0 | mt.4.00001.r | 10/01/2001 | CRATER GRID | 1.00 | 1.25 | | |
| MT.A.4.00003.4.0 | mt.4.00003.r | 10/01/2001 | CRATER GRID | 0.75 | 1.00 | | |
| MT.A.4.00004.4.0 | mt.4.00004.r | 10/01/2001 | CRATER GRID | 1.00 | 1.25 | | |
| MT.A.4.00006.4.0 | mt.4.00006.r | 10/01/2001 | CRATER GRID | 0.50 | 0.75 | | |
| MT.X.00AME1.4.0 | mt.4.00002.o | 10/01/2001 | CRATER GRID | 1.00 | 1.25 | | |
| MT.X.00AME1.4.D | mt.4.00002.o | 10/01/2001 | CRATER GRID | 1.00 | 1.25 | | |
| N.F.2.00002.4.0 | J2.2.32886.o | 10/24/2001 | CRATER GRID | 5.00 | 5.25 | | |
| GTR.B.2.00027.1.0 | GTR.2.00027.o | 10/05/2001 | Crater | 0.15 | 0.40 | | |
| GTR.B.2.00028.1.0 | GTR.2.00028.o | 10/05/2001 | Crater | 0.30 | 0.70 | | |
| 0.G.0.00122.0.T | TRIP BLANK 122 | 10/19/2001 | FIELDQC | 0.00 | 0.00 | | |
| 0.G.000121.0.T | | 10/05/2001 | FIELDQC | 0.00 | 0.00 | | |
| 0.G.00123.0.T | | 10/24/2001 | FIELDQC | 0.00 | 0.00 | | |
| 27MW0017E | FIELDQC | 10/01/2001 | FIELDQC | 0.00 | 0.00 | | |
| 90MW0054E | FIELDQC | 10/24/2001 | FIELDQC | 0.00 | 0.00 | | |
| 95-15CE | FIELDQC | 10/08/2001 | FIELDQC | 0.00 | 0.00 | | |
| 97-2E | FIELDQC | 10/22/2001 | FIELDQC | 0.00 | 0.00 | | |
| 97-5E | FIELDQC | 10/23/2001 | FIELDQC | 0.00 | 0.00 | | |
| G183DNE | FIELDQC | 10/01/2001 | FIELDQC | 0.00 | 0.00 | | |
| G183DPE | FIELDQC | 10/02/2001 | FIELDQC | 0.00 | 0.00 | | |
| G183DQE | FIELDQC | 10/03/2001 | FIELDQC | 0.00 | 0.00 | | |
| G183DRE | FIELDQC | 10/04/2001 | FIELDQC | 0.00 | 0.00 | | |
| G184SBE | FIELDQC | 10/03/2001 | FIELDQC | 0.00 | 0.00 | | |
| G185DAE | FIELDQC | 10/10/2001 | FIELDQC | 0.00 | 0.00 | | |
| G185DIE | FIELDQC | 10/11/2001 | FIELDQC | 0.00 | 0.00 | | |
| G185DLE | FIELDQC | 10/12/2001 | FIELDQC | 0.00 | 0.00 | | |
| G185DTE | FIELDQC | 10/15/2001 | FIELDQC | 0.00 | 0.00 | | |
| G185DUE | FIELDQC | 10/16/2001 | FIELDQC | 0.00 | 0.00 | | |
| G186DAE | FIELDQC | 10/24/2001 | FIELDQC | 0.00 | 0.00 | | |
| G186DBE | FIELDQC | 10/25/2001 | FIELDQC | 0.00 | 0.00 | | |
| G186DKE | FIELDQC | 10/26/2001 | FIELDQC | 0.00 | 0.00 | | |
| G186DSE | FIELDQC | 10/29/2001 | FIELDQC | 0.00 | 0.00 | | |

Profiling methods include: Volatiles and Explosives
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
Other Sample Types methods are variable
SBD = Sample Begin Depth, measured in feet bgs
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
10/1/2001-10/31/2001

| OGDEN_ID | LOCID OR WELL ID | SAMPLED | SAMPLE TYPE | SBD | SED | BWTS | BWTE |
|---|---|---|---|---|---|---|---|
| HC102PA1DAE | FIELDQC | 10/16/2001 | FIELDQC | 0.00 | 0.00 | | |
| HC102PB1AAE | FIELDQC | 10/11/2001 | FIELDQC | 0.00 | 0.00 | | |
| HC102UA1AAE | FIELDQC | 10/01/2001 | FIELDQC | 0.00 | 0.00 | | |
| HC102UC1AAE | FIELDQC | 10/03/2001 | FIELDQC | 0.00 | 0.00 | | |
| HC102UC1AAT | FIELDQC | 10/03/2001 | FIELDQC | 0.00 | 0.00 | | |
| HC102UD1AAT | FIELDQC | 10/01/2001 | FIELDQC | 0.00 | 0.00 | | |
| HC102UF1AAE | FIELDQC | 10/02/2001 | FIELDQC | 0.00 | 0.00 | | |
| HC102UF1AAT | FIELDQC | 10/02/2001 | FIELDQC | 0.00 | 0.00 | | |
| HC102VB1AAE | FIELDQC | 10/12/2001 | FIELDQC | 0.00 | 0.00 | | |
| HC102VC1DAE | FIELDQC | 10/15/2001 | FIELDQC | 0.00 | 0.00 | | |
| HC102VC1DAT | FIELDQC | 10/16/2001 | FIELDQC | 0.00 | 0.00 | | |
| HC103BFA1BAE | FIELDQC | 10/19/2001 | FIELDQC | 0.00 | 0.00 | | |
| HC146C1AAE | FIELDQC | 10/24/2001 | FIELDQC | 0.00 | 0.00 | | |
| HC149A1AAE | FIELDQC | 10/25/2001 | FIELDQC | 0.00 | 0.00 | | |
| HC150A1AAE | FIELDQC | 10/29/2001 | FIELDQC | 0.00 | 0.00 | | |
| HC151B1AAE | FIELDQC | 10/26/2001 | FIELDQC | 0.00 | 0.00 | | |
| HC151B1AAF | FIELDQC | 10/26/2001 | FIELDQC | 0.00 | 0.00 | | |
| HC151B1AAT | FIELDQC | 10/26/2001 | FIELDQC | 0.00 | 0.00 | | |
| HC46BB1AAE | FIELDQC | 10/23/2001 | FIELDQC | 0.00 | 0.00 | | |
| HD103BCA1AAE | FIELDQC | 10/18/2001 | FIELDQC | 0.00 | 0.00 | | |
| HD103BD5DAE | FIELDQC | 10/17/2001 | FIELDQC | 0.00 | 0.00 | | |
| HD103BG6DAE | FIELDQC | 10/22/2001 | FIELDQC | 0.00 | 0.00 | | |
| HD103BG6DAT | FIELDQC | 10/22/2001 | FIELDQC | 0.00 | 0.00 | | |
| HD149C3AAT | FIELDQC | 10/25/2001 | FIELDQC | 0.00 | 0.00 | | |
| HD150B4AAT | FIELDQC | 10/29/2001 | FIELDQC | 0.00 | 0.00 | | |
| HD23F2AAT | FIELDQC | 10/31/2001 | FIELDQC | 0.00 | 0.00 | | |
| HD23F3AAE | FIELDQC | 10/31/2001 | FIELDQC | 0.00 | 0.00 | | |
| HD46B1DAT | FIELDQC | 10/23/2001 | FIELDQC | 0.00 | 0.00 | | |
| HDA09110101AT | FIELDQC | 10/12/2001 | FIELDQC | 0.00 | 0.00 | | |
| W143M1T | FIELDQC | 10/17/2001 | FIELDQC | 0.00 | 0.00 | | |
| W144SST | FIELDQC | 10/18/2001 | FIELDQC | 0.00 | 0.00 | | |
| W145M1T | FIELDQC | 10/19/2001 | FIELDQC | 0.00 | 0.00 | | |
| W153M3T | FIELDQC | 10/24/2001 | FIELDQC | 0.00 | 0.00 | | |
| W154M1T | FIELDQC | 10/30/2001 | FIELDQC | 0.00 | 0.00 | | |
| W157M2T | FIELDQC | 10/09/2001 | FIELDQC | 0.00 | 0.00 | | |
| W158M1T | FIELDQC | 10/15/2001 | FIELDQC | 0.00 | 0.00 | | |
| W161SST | FIELDQC | 10/08/2001 | FIELDQC | 0.00 | 0.00 | | |
| W163SST | FIELDQC | 10/10/2001 | FIELDQC | 0.00 | 0.00 | | |
| W166M2T | FIELDQC | 10/04/2001 | FIELDQC | 0.00 | 0.00 | | |
| W168M1T | FIELDQC | 10/05/2001 | FIELDQC | 0.00 | 0.00 | | |
| W170M1T | FIELDQC | 10/25/2001 | FIELDQC | 0.00 | 0.00 | | |
| W170M3T | FIELDQC | 10/26/2001 | FIELDQC | 0.00 | 0.00 | | |
| W69SST | FIELDQC | 10/11/2001 | FIELDQC | 0.00 | 0.00 | | |
| GTR.B.2.00027.3.0 | GTR.2.00027.o | 10/05/2001 | GAUZE WIPE | 0.15 | 0.40 | | |
| GTR.B.2.00028.3.0 | gtr.2.00028.o | 10/05/2001 | GAUZE WIPE | 0.30 | 0.70 | | |
| 27MW0017A | 27MW0017 | 10/01/2001 | GROUNDWATER | 134.00 | 139.00 | 49.70 | 54.70 |
| 4036000-01G | 4036000-01G | 10/23/2001 | GROUNDWATER | | | 6.00 | 12.00 |
| 4036000-03G | 4036000-03G | 10/23/2001 | GROUNDWATER | | | 6.00 | 12.00 |
| 4036000-04G | 4036000-04G | 10/23/2001 | GROUNDWATER | | | 6.00 | 12.00 |

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
10/1/2001-10/31/2001

| OGDEN_ID | LOCID OR WELL ID | SAMPLED | SAMPLE TYPE | SBD | SED | BWTS | BWTE |
|---|---|---|---|---|---|---|---|
| 4036000-06G | 4036000-06G | 10/23/2001 | GROUNDWATER | | | 6.00 | 12.00 |
| 4261000-02G | 4261000-02G | 10/31/2001 | GROUNDWATER | | | 0.00 | 0.00 |
| 4261000-04G | 4261000-04G | 10/31/2001 | GROUNDWATER | | | 0.00 | 0.00 |
| 4261000-06G | 4261000-06G | 10/31/2001 | GROUNDWATER | | | 0.00 | 0.00 |
| 4261000-09G | 4261000-09G | 10/31/2001 | GROUNDWATER | | | 0.00 | 0.00 |
| 4261000-10G | 4261000-10G | 10/31/2001 | GROUNDWATER | | | 0.00 | 0.00 |
| 4261000-11D | 4261000-11G | 10/31/2001 | GROUNDWATER | | | 0.00 | 0.00 |
| 4261000-11G | 4261000-11G | 10/31/2001 | GROUNDWATER | | | 0.00 | 0.00 |
| 90MW0034 | 90MW0034 | 10/08/2001 | GROUNDWATER | 94.00 | 99.00 | 28.57 | 33.57 |
| 95-15C | 95-15C | 10/08/2001 | GROUNDWATER | 147.00 | 157.00 | 78.16 | 88.16 |
| 95-15C | 95-15C | 10/08/2001 | GROUNDWATER | 147.00 | 157.00 | 78.16 | 88.16 |
| 97-1 | 97-1 | 10/23/2001 | GROUNDWATER | 62.00 | 72.00 | 39.33 | 49.33 |
| 97-2 | 97-2 | 10/23/2001 | GROUNDWATER | 53.00 | 63.00 | 29.40 | 39.40 |
| 97-3 | 97-3 | 10/23/2001 | GROUNDWATER | 36.00 | 46.00 | 0.00 | 10.00 |
| 97-5 | 97-5 | 10/23/2001 | GROUNDWATER | 76.00 | 86.00 | 66.40 | 76.40 |
| ASPWELL | ASPWELL | 10/26/2001 | GROUNDWATER | 0.00 | 0.00 | 0.00 | 0.00 |
| CEMETERY1 | CEMETERY1 | 10/24/2001 | GROUNDWATER | | | 0.00 | 0.00 |
| CEMETERY2 | CEMETERY2 | 10/24/2001 | GROUNDWATER | | | 0.00 | 0.00 |
| PPAWSPW-1 | PPAWSPW-1 | 10/25/2001 | GROUNDWATER | 0.00 | 0.00 | 158.00 | 178.00 |
| PPAWSPW-2 | PPAWSPW-2 | 10/25/2001 | GROUNDWATER | 0.00 | 0.00 | 85.00 | 105.00 |
| RANGECON | RANGECON | 10/24/2001 | GROUNDWATER | | | 0.00 | 0.00 |
| USCGANTST | USCGANTST | 10/25/2001 | GROUNDWATER | 0.00 | 0.00 | 0.00 | 0.00 |
| W07DDA | MW-7 | 10/10/2001 | GROUNDWATER | 332.00 | 342.00 | 223.00 | 233.00 |
| W100M1A | MW-100 | 10/23/2001 | GROUNDWATER | 179.00 | 189.00 | 45.00 | 55.00 |
| W100M1D | MW-100 | 10/23/2001 | GROUNDWATER | 179.00 | 189.00 | 45.00 | 55.00 |
| W101M1A | MW-101 | 10/23/2001 | GROUNDWATER | 158.00 | 168.00 | 27.00 | 37.00 |
| W101SSA | MW-101 | 10/05/2001 | GROUNDWATER | 131.00 | 141.00 | 0.00 | 10.00 |
| W101SSA | MW-101 | 10/23/2001 | GROUNDWATER | 131.00 | 141.00 | 0.00 | 10.00 |
| W102M1A | MW-102 | 10/12/2001 | GROUNDWATER | 267.00 | 277.00 | 121.10 | 131.10 |
| W102M2A | MW-102 | 10/04/2001 | GROUNDWATER | 237.00 | 247.00 | 91.20 | 101.20 |
| W103M1A | MW-103 | 10/08/2001 | GROUNDWATER | 298.00 | 308.00 | 153.60 | 163.60 |
| W103M2A | MW-103 | 10/08/2001 | GROUNDWATER | 282.00 | 292.00 | 137.60 | 147.60 |
| W104M1A | MW-104 | 10/10/2001 | GROUNDWATER | 155.00 | 165.00 | 34.60 | 44.60 |
| W104M2A | MW-104 | 10/10/2001 | GROUNDWATER | 135.00 | 145.00 | 14.50 | 24.50 |
| W105M1A | MW-105 | 10/22/2001 | GROUNDWATER | 205.00 | 215.00 | 78.00 | 88.00 |
| W105M2A | MW-105 | 10/22/2001 | GROUNDWATER | 165.00 | 175.00 | 38.00 | 48.00 |
| W106M1A | MW-106 | 10/22/2001 | GROUNDWATER | 170.50 | 180.50 | 38.00 | 48.00 |
| W106M2A | MW-106 | 10/30/2001 | GROUNDWATER | 140.50 | 150.50 | 8.00 | 18.00 |
| W107M1A | MW-107 | 10/10/2001 | GROUNDWATER | 155.00 | 165.00 | 38.00 | 48.00 |
| W107M2A | MW-107 | 10/22/2001 | GROUNDWATER | 125.00 | 135.00 | 5.00 | 15.00 |
| W114M2A | MW-114 | 10/10/2001 | GROUNDWATER | 120.00 | 130.00 | 37.50 | 47.50 |
| W114M2D | MW-114 | 10/10/2001 | GROUNDWATER | 120.00 | 130.00 | 37.50 | 47.50 |
| W115M1A | MW-115 | 10/25/2001 | GROUNDWATER | 138.00 | 148.00 | 22.00 | 32.00 |
| W115M1D | MW-115 | 10/25/2001 | GROUNDWATER | 138.00 | 148.00 | 22.00 | 32.00 |
| W115SSA | MW-115 | 10/25/2001 | GROUNDWATER | 116.00 | 126.00 | 0.00 | 10.00 |
| W120SSA | MW-120 | 10/10/2001 | GROUNDWATER | 103.00 | 113.00 | 0.00 | 10.00 |
| W122SSA | MW-122 | 10/10/2001 | GROUNDWATER | 88.00 | 98.00 | 0.00 | 10.00 |
| W130SSA | MW-130 | 10/11/2001 | GROUNDWATER | 103.00 | 113.00 | 0.00 | 10.00 |
| W132SSA | MW-132 | 10/10/2001 | GROUNDWATER | 37.00 | 47.00 | 0.00 | 10.00 |

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
10/1/2001-10/31/2001

| OGDEN_ID | LOCID OR WELL ID | SAMPLED | SAMPLE TYPE | SBD | SED | BWTS | BWTE |
|---|---|---|---|---|---|---|---|
| W134SSA | MW-134 | 10/11/2001 | GROUNDWATER | 133.00 | 143.00 | 0.00 | 10.00 |
| W135M1A | MW-135 | 10/04/2001 | GROUNDWATER | 319.00 | 329.00 | 130.80 | 140.80 |
| W135M2A | MW-135 | 10/04/2001 | GROUNDWATER | 280.00 | 290.00 | 91.60 | 101.60 |
| W135M3A | MW-135 | 10/05/2001 | GROUNDWATER | 239.00 | 249.00 | 50.50 | 60.50 |
| W138M1A | MW-138 | 10/09/2001 | GROUNDWATER | 235.00 | 263.00 | 111.80 | 121.80 |
| W138M2A | MW-138 | 10/09/2001 | GROUNDWATER | 151.00 | 161.00 | 28.20 | 38.20 |
| W138M2D | MW-138 | 10/09/2001 | GROUNDWATER | 151.00 | 161.00 | 28.20 | 38.20 |
| W138M3A | MW-138 | 10/09/2001 | GROUNDWATER | 135.00 | 145.00 | 12.10 | 22.10 |
| W140M1A | MW-140 | 10/29/2001 | GROUNDWATER | 107.00 | 117.00 | 19.00 | 29.00 |
| W142M1A | MW-142 | 10/17/2001 | GROUNDWATER | 225.00 | 235.00 | 185.00 | 195.00 |
| W142M2A | MW-142 | 10/17/2001 | GROUNDWATER | 140.00 | 150.00 | 100.00 | 110.00 |
| W142SSA | MW-142 | 10/17/2001 | GROUNDWATER | 42.00 | 52.00 | 2.00 | 12.00 |
| W143M1A | MW-143 | 10/17/2001 | GROUNDWATER | 144.00 | 154.00 | 114.00 | 124.00 |
| W143M1D | MW-143 | 10/17/2001 | GROUNDWATER | 144.00 | 154.00 | 114.00 | 124.00 |
| W143M2A | MW-143 | 10/17/2001 | GROUNDWATER | 117.00 | 122.00 | 87.00 | 92.00 |
| W143M3A | MW-143 | 10/17/2001 | GROUNDWATER | 107.00 | 112.00 | 77.00 | 82.00 |
| W144M1A | MW-144 | 10/18/2001 | GROUNDWATER | 189.00 | 193.00 | 168.00 | 172.00 |
| W144M2A | MW-144 | 10/18/2001 | GROUNDWATER | 130.00 | 140.00 | 109.00 | 119.00 |
| W144SSA | MW-144 | 10/17/2001 | GROUNDWATER | 26.00 | 36.00 | 5.00 | 15.00 |
| W145M1A | MW-145 | 10/19/2001 | GROUNDWATER | 125.00 | 135.00 | 97.00 | 107.00 |
| W145M1D | MW-145 | 10/19/2001 | GROUNDWATER | 125.00 | 135.00 | 97.00 | 107.00 |
| W145SSA | MW-145 | 10/18/2001 | GROUNDWATER | 30.00 | 40.00 | 0.00 | 10.00 |
| W146M1A | MW-146 | 10/19/2001 | GROUNDWATER | 166.00 | 171.00 | 75.00 | 80.00 |
| W146SSA | MW-146 | 10/19/2001 | GROUNDWATER | 92.00 | 102.00 | 0.00 | 10.00 |
| W147M1A | MW-147 | 10/24/2001 | GROUNDWATER | 167.00 | 177.00 | 94.00 | 104.00 |
| W147M2A | MW-147 | 10/24/2001 | GROUNDWATER | 150.00 | 160.00 | 77.00 | 87.00 |
| W147M2A | MW-147 | 10/25/2001 | GROUNDWATER | 150.00 | 160.00 | 77.00 | 87.00 |
| W147M3A | MW-147 | 10/25/2001 | GROUNDWATER | 82.00 | 92.00 | 9.00 | 19.00 |
| W148M1A | MW-148 | 10/18/2001 | GROUNDWATER | 90.00 | 100.00 | 29.00 | 39.00 |
| W148SSA | MW-148 | 10/18/2001 | GROUNDWATER | 61.00 | 71.00 | 0.00 | 10.00 |
| W150SSA | MW-150 | 10/26/2001 | GROUNDWATER | 92.50 | 102.50 | 0.00 | 10.00 |
| W151SSA | MW-151 | 10/26/2001 | GROUNDWATER | 55.50 | 65.00 | 0.00 | 10.00 |
| W152M1A | MW-152 | 10/16/2001 | GROUNDWATER | 250.00 | 260.00 | 144.00 | 154.00 |
| W152M2A | MW-152 | 10/16/2001 | GROUNDWATER | 154.00 | 164.00 | 48.00 | 58.00 |
| W153M1A | MW-153 | 10/24/2001 | GROUNDWATER | 199.00 | 209.00 | 108.00 | 118.00 |
| W153M2A | MW-153 | 10/19/2001 | GROUNDWATER | 144.00 | 154.00 | 53.00 | 63.00 |
| W153M3A | MW-153 | 10/24/2001 | GROUNDWATER | 124.00 | 134.00 | 33.00 | 43.00 |
| W153M3D | MW-153 | 10/24/2001 | GROUNDWATER | 124.00 | 134.00 | 33.00 | 43.00 |
| W154M1A | MW-154 | 10/30/2001 | GROUNDWATER | 187.50 | 192.50 | 91.00 | 96.00 |
| W154SSA | MW-154 | 10/22/2001 | GROUNDWATER | 98.00 | 108.00 | 0.00 | 10.00 |
| W155M1A | MW-155 | 10/18/2001 | GROUNDWATER | 124.00 | 134.00 | 99.00 | 109.00 |
| W155M2A | MW-155 | 10/18/2001 | GROUNDWATER | 45.00 | 55.00 | 20.00 | 30.00 |
| W156SSA | MW-156 | 10/26/2001 | GROUNDWATER | 77.00 | 87.00 | 0.00 | 10.00 |
| W157DDA | MW-157 | 10/08/2001 | GROUNDWATER | 209.00 | 219.00 | 199.00 | 209.00 |
| W157M1A | MW-157 | 10/08/2001 | GROUNDWATER | 154.00 | 164.00 | 144.00 | 154.00 |
| W157M2A | MW-157 | 10/10/2001 | GROUNDWATER | 110.00 | 120.00 | 100.00 | 110.00 |
| W157M2D | MW-157 | 10/10/2001 | GROUNDWATER | 110.00 | 120.00 | 100.00 | 110.00 |
| W158M1A | MW-158 | 10/15/2001 | GROUNDWATER | 176.50 | 186.50 | 89.00 | 99.00 |
| W158M2A | MW-158 | 10/15/2001 | GROUNDWATER | 124.50 | 134.50 | 37.00 | 47.00 |

Profiling methods include: Volatiles and Explosives
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
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BWTS = Depth below water table, start depth, measured in feet
BWTE = Depth below water table, end depth, measured in feet

TABLE 2
SAMPLING PROGRESS
10/1/2001-10/31/2001

| OGDEN_ID | LOCID OR WELL ID | SAMPLED | SAMPLE TYPE | SBD | SED | BWTS | BWTE |
|---|---|---|---|---|---|---|---|
| W158SSA | MW-158 | 10/16/2001 | GROUNDWATER | 89.00 | 99.00 | 0.00 | 10.00 |
| W160SSA | MW-160 | 10/08/2001 | GROUNDWATER | 137.50 | 147.50 | 5.00 | 15.00 |
| W161SSA | MW-161 | 10/08/2001 | GROUNDWATER | 145.00 | 155.00 | 6.00 | 16.00 |
| W161SSA | MW-161 | 10/08/2001 | GROUNDWATER | 145.50 | 155.50 | 6.00 | 16.00 |
| W163SSA | MW-163 | 10/10/2001 | GROUNDWATER | 38.00 | 48.00 | 0.00 | 10.00 |
| W166M1A | MW-166 | 10/04/2001 | GROUNDWATER | 218.00 | 223.00 | 112.00 | 117.00 |
| W166M2A | MW-166 | 10/04/2001 | GROUNDWATER | 150.00 | 160.00 | 44.00 | 54.00 |
| W166M3A | MW-166 | 10/04/2001 | GROUNDWATER | 125.00 | 135.00 | 19.00 | 29.00 |
| W167M3A | MW-167 | 10/26/2001 | GROUNDWATER | 100.00 | 110.00 | 21.00 | 31.00 |
| W168M1A | MW-168 | 10/05/2001 | GROUNDWATER | 256.00 | 266.00 | 174.00 | 184.00 |
| W168M2A | MW-168 | 10/05/2001 | GROUNDWATER | 198.00 | 208.00 | 116.00 | 126.00 |
| W168M3A | MW-168 | 10/04/2001 | GROUNDWATER | 103.00 | 113.00 | 18.40 | 28.40 |
| W168M3A | MW-168 | 10/04/2001 | GROUNDWATER | 103.00 | 113.00 | 21.00 | 31.00 |
| W168M3D | MW-168 | 10/04/2001 | GROUNDWATER | 103.00 | 113.00 | 18.40 | 28.40 |
| W168M3D | MW-168 | 10/04/2001 | GROUNDWATER | 103.00 | 113.00 | 21.00 | 31.00 |
| W170M1A | MW-170 | 10/25/2001 | GROUNDWATER | 265.00 | 275.00 | 162.00 | 172.00 |
| W170M2A | MW-170 | 10/25/2001 | GROUNDWATER | 198.00 | 208.00 | 95.00 | 105.00 |
| W170M3A | MW-170 | 10/25/2001 | GROUNDWATER | 123.00 | 133.00 | 20.00 | 30.00 |
| W174SSA | MW-174 | 10/25/2001 | GROUNDWATER | 190.00 | 200.00 | 0.00 | 10.00 |
| W178M1A | MW-178 | 10/31/2001 | GROUNDWATER | 257.00 | 267.00 | 117.00 | 127.00 |
| W178M2A | MW-178 | 10/31/2001 | GROUNDWATER | 167.00 | 177.00 | 27.00 | 37.00 |
| W179M1A | MW-179 | 10/31/2001 | GROUNDWATER | 187.00 | 197.00 | 46.00 | 56.00 |
| W28M1A | MW-28 | 10/29/2001 | GROUNDWATER | 270.00 | 280.00 | 173.00 | 183.00 |
| W28M2A | MW-28 | 10/29/2001 | GROUNDWATER | 175.00 | 185.00 | 78.00 | 88.00 |
| W69SSA | MW-69 | 10/11/2001 | GROUNDWATER | 110.00 | 120.00 | 0.00 | 10.00 |
| W80M1A | MW-80 | 10/10/2001 | GROUNDWATER | 130.00 | 140.00 | 82.73 | 92.73 |
| W89M2A | MW-89 | 10/03/2001 | GROUNDWATER | 214.00 | 224.00 | 69.10 | 79.10 |
| W89M2D | MW-89 | 10/03/2001 | GROUNDWATER | 214.00 | 224.00 | 69.10 | 79.10 |
| W89M3A | MW-89 | 10/03/2001 | GROUNDWATER | 174.00 | 184.00 | 29.00 | 39.00 |
| W90M1A | MW-90 | 10/09/2001 | GROUNDWATER | 145.00 | 155.00 | 27.00 | 37.00 |
| W90SSA | MW-90 | 10/09/2001 | GROUNDWATER | 118.00 | 128.00 | 0.00 | 10.00 |
| W91M1A | MW-91 | 10/03/2001 | GROUNDWATER | 170.00 | 180.00 | 45.00 | 55.00 |
| W91SSA | MW-91 | 10/09/2001 | GROUNDWATER | 124.00 | 134.00 | 0.00 | 10.00 |
| W92M1A | MW-92 | 10/03/2001 | GROUNDWATER | 165.00 | 175.00 | 25.00 | 35.00 |
| W92M1D | MW-92 | 10/03/2001 | GROUNDWATER | 165.00 | 175.00 | 25.00 | 35.00 |
| W92SSA | MW-92 | 10/03/2001 | GROUNDWATER | 139.00 | 149.00 | 0.00 | 10.00 |
| W93M1A | MW-93 | 10/03/2001 | GROUNDWATER | 185.00 | 195.00 | 56.00 | 66.00 |
| W93M2A | MW-93 | 10/03/2001 | GROUNDWATER | 145.00 | 155.00 | 14.70 | 24.70 |
| W94M1A | MW-94 | 10/02/2001 | GROUNDWATER | 160.00 | 170.00 | 34.10 | 44.10 |
| W94M2A | MW-94 | 10/02/2001 | GROUNDWATER | 140.00 | 150.00 | 14.10 | 24.10 |
| W94M2A | MW-94 | 10/02/2001 | GROUNDWATER | 140.00 | 150.00 | 16.00 | 26.00 |
| W94SSA | MW-94 | 10/02/2001 | GROUNDWATER | 124.00 | 134.00 | 98.30 | 108.30 |
| W95M1A | MW-95 | 10/01/2001 | GROUNDWATER | 202.00 | 212.00 | 75.10 | 85.10 |
| W95M2A | MW-95 | 10/01/2001 | GROUNDWATER | 167.00 | 177.00 | 40.00 | 50.00 |
| W95SSA | MW-95 | 10/01/2001 | GROUNDWATER | 125.50 | 135.50 | 0.00 | 10.00 |
| W96M1A | MW-96 | 10/02/2001 | GROUNDWATER | 206.00 | 216.00 | 69.50 | 79.50 |
| W96M2A | MW-96 | 10/02/2001 | GROUNDWATER | 160.00 | 170.00 | 23.40 | 33.40 |
| W96SSA | MW-96 | 10/12/2001 | GROUNDWATER | 134.00 | 144.00 | 0.00 | 10.00 |
| W97M1A | MW-97 | 10/12/2001 | GROUNDWATER | 235.00 | 245.00 | 109.80 | 119.80 |

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TABLE 2
SAMPLING PROGRESS
10/1/2001-10/31/2001

| OGDEN_ID | LOCID OR WELL ID | SAMPLED | SAMPLE TYPE | SBD | SED | BWTS | BWTE |
|---|---|---|---|---|---|---|---|
| W97M2A | MW-97 | 10/15/2001 | GROUNDWATER | 185.00 | 195.00 | 59.80 | 69.80 |
| W97M3A | MW-97 | 10/15/2001 | GROUNDWATER | 140.00 | 150.00 | 14.80 | 24.80 |
| W98M1A | MW-98 | 10/24/2001 | GROUNDWATER | 164.00 | 174.00 | 26.00 | 36.00 |
| W98SSA | MW-98 | 10/24/2001 | GROUNDWATER | 137.00 | 147.00 | 0.00 | 10.00 |
| W99M1A | MW-99 | 10/23/2001 | GROUNDWATER | 195.00 | 205.00 | 60.00 | 70.00 |
| W99SSA | MW-99 | 10/23/2001 | GROUNDWATER | 133.00 | 143.00 | 0.00 | 10.00 |
| WSCNRA | Schooner Pass | 10/02/2001 | GROUNDWATER | | | | |
| WSCNRD | Schooner Pass | 10/02/2001 | GROUNDWATER | | | | |
| DW100101 | GAC WATER | 10/01/2001 | IDW | 0.00 | 0.00 | | |
| DW100301 | GAC WATER | 10/03/2001 | IDW | 0.00 | 0.00 | | |
| DW101101 | GAC WATER | 10/11/2001 | IDW | 0.00 | 0.00 | | |
| DW102201 | GAC WATER | 10/22/2001 | IDW | 0.00 | 0.00 | | |
| DW102401 | GAC WATER | 10/24/2001 | IDW | 0.00 | 0.00 | | |
| DW102901 | GAC WATER | 10/29/2001 | IDW | 0.00 | 0.00 | | |
| HCPPWC10221A | RRA CONTAINMEN- | 10/22/2001 | IDW | 0.00 | 0.00 | | |
| HCPPWC10221B | RRA CONTAINMEN- | 10/22/2001 | IDW | 0.00 | 0.00 | | |
| PWPPC10NO1A | RRA CONTAINMEN- | 10/11/2001 | IDW | 0.00 | 0.00 | | |
| PWPPC10NO1D | RRA CONTAINMEN- | 10/11/2001 | IDW | 0.00 | 0.00 | | |
| HCPPS1031A | RRA CONTAINMEN- | 10/03/2001 | OTHER | 0.00 | 0.00 | | |
| HCPPS1031B | RRA CONTAINMEN- | 10/03/2001 | OTHER | 0.00 | 0.00 | | |
| HCPPW10031A | RRA CONTAINMEN- | 10/03/2001 | OTHER | 0.00 | 0.00 | | |
| HCPPW10031B | RRA CONTAINMEN- | 10/03/2001 | OTHER | 0.00 | 0.00 | | |
| HCPPW10031C | RRA CONTAINMEN- | 10/03/2001 | OTHER | 0.00 | 0.00 | | |
| HCPPW10031D | RRA CONTAINMEN- | 10/03/2001 | OTHER | 0.00 | 0.00 | | |
| HCPPW10031E | RRA CONTAINMEN- | 10/03/2001 | OTHER | 0.00 | 0.00 | | |
| HCPPW1031DD | RRA CONTAINMEN- | 10/03/2001 | OTHER | 0.00 | 0.00 | | |
| FS12TSEF | FS12TSEF | 10/29/2001 | PROCESS WATEF | 0.00 | 0.00 | | |
| FS12TSIN | FS12TSIN | 10/29/2001 | PROCESS WATEF | 0.00 | 0.00 | | |
| G183DNA | MW-183 | 10/01/2001 | PROFILE | 335.00 | 335.00 | 153.90 | 153.90 |
| G183DOA | MW-183 | 10/01/2001 | PROFILE | 345.00 | 345.00 | 163.90 | 163.90 |
| G183DPA | MW-183 | 10/02/2001 | PROFILE | 355.00 | 355.00 | 173.90 | 173.90 |
| G183DQA | MW-183 | 10/03/2001 | PROFILE | 365.00 | 365.00 | 183.90 | 183.90 |
| G183DRA | MW-183 | 10/04/2001 | PROFILE | 375.00 | 375.00 | 193.90 | 193.90 |
| G183DSA | MW-183 | 10/04/2001 | PROFILE | 385.00 | 385.00 | 203.90 | 203.90 |
| G184SAA | MW-184 | 10/03/2001 | PROFILE | 135.00 | 135.00 | 9.50 | 9.50 |
| G184SBA | MW-184 | 10/03/2001 | PROFILE | 145.00 | 145.00 | 19.50 | 19.50 |
| G185DAA | MW-185 | 10/10/2001 | PROFILE | 142.00 | 142.00 | 10.00 | 10.00 |
| G185DBA | MW-185 | 10/10/2001 | PROFILE | 150.00 | 150.00 | 18.00 | 18.00 |
| G185DCA | MW-185 | 10/10/2001 | PROFILE | 160.00 | 160.00 | 28.00 | 28.00 |
| G185DDA | MW-185 | 10/10/2001 | PROFILE | 170.00 | 170.00 | 38.00 | 38.00 |
| G185DDD | MW-185 | 10/10/2001 | PROFILE | 170.00 | 170.00 | 38.00 | 38.00 |
| G185DEA | MW-185 | 10/10/2001 | PROFILE | 180.00 | 180.00 | 48.00 | 48.00 |
| G185DFA | MW-185 | 10/10/2001 | PROFILE | 190.00 | 190.00 | 58.00 | 58.00 |
| G185DGA | MW-185 | 10/10/2001 | PROFILE | 200.00 | 200.00 | 68.00 | 68.00 |
| G185DHA | MW-185 | 10/10/2001 | PROFILE | 210.00 | 210.00 | 78.00 | 78.00 |
| G185DIA | MW-185 | 10/11/2001 | PROFILE | 220.00 | 220.00 | 88.00 | 88.00 |
| G185DJA | MW-185 | 10/11/2001 | PROFILE | 230.00 | 230.00 | 98.00 | 98.00 |
| G185DKA | MW-185 | 10/11/2001 | PROFILE | 240.00 | 240.00 | 108.00 | 108.00 |
| G185DLA | MW-185 | 10/12/2001 | PROFILE | 250.00 | 250.00 | 118.00 | 118.00 |

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TABLE 2
SAMPLING PROGRESS
10/1/2001-10/31/2001

| OGDEN_ID | LOCID OR WELL ID | SAMPLED | SAMPLE TYPE | SBD | SED | BWTS | BWTE |
|---|---|---|---|---|---|---|---|
| G185DMA | MW-185 | 10/12/2001 | PROFILE | 260.00 | 260.00 | 128.00 | 128.00 |
| G185DNA | MW-185 | 10/12/2001 | PROFILE | 270.00 | 270.00 | 138.00 | 138.00 |
| G185DOA | MW-185 | 10/12/2001 | PROFILE | 280.00 | 280.00 | 148.00 | 148.00 |
| G185DPA | MW-185 | 10/12/2001 | PROFILE | 290.00 | 290.00 | 158.00 | 158.00 |
| G185DQA | MW-185 | 10/15/2001 | PROFILE | 300.00 | 300.00 | 168.00 | 168.00 |
| G185DQD | MW-185 | 10/15/2001 | PROFILE | 300.00 | 300.00 | 168.00 | 168.00 |
| G185DRA | MW-185 | 10/15/2001 | PROFILE | 310.00 | 310.00 | 178.00 | 178.00 |
| G185DSA | MW-185 | 10/15/2001 | PROFILE | 320.00 | 320.00 | 188.00 | 188.00 |
| G185DTA | MW-185 | 10/15/2001 | PROFILE | 330.00 | 330.00 | 198.00 | 198.00 |
| G185DUA | MW-185 | 10/16/2001 | PROFILE | 340.00 | 340.00 | 208.00 | 208.00 |
| G186DAA | MW-186 | 10/25/2001 | PROFILE | 130.00 | 130.00 | 8.00 | 8.00 |
| G186DAD | MW-186 | 10/25/2001 | PROFILE | 130.00 | 130.00 | 8.00 | 8.00 |
| G186DBA | MW-186 | 10/24/2001 | PROFILE | 140.00 | 140.00 | 18.00 | 18.00 |
| G186DBD | MW-186 | 10/24/2001 | PROFILE | 140.00 | 140.00 | 18.00 | 18.00 |
| G186DCA | MW-186 | 10/25/2001 | PROFILE | 150.00 | 150.00 | 28.00 | 28.00 |
| G186DDA | MW-186 | 10/25/2001 | PROFILE | 160.00 | 160.00 | 38.00 | 38.00 |
| G186DEA | MW-186 | 10/25/2001 | PROFILE | 170.00 | 170.00 | 48.00 | 48.00 |
| G186DFA | MW-186 | 10/25/2001 | PROFILE | 180.00 | 180.00 | 58.00 | 58.00 |
| G186DGA | MW-186 | 10/25/2001 | PROFILE | 190.00 | 190.00 | 68.00 | 68.00 |
| G186DHA | MW-186 | 10/25/2001 | PROFILE | 200.00 | 200.00 | 78.00 | 78.00 |
| G186DJA | MW-186 | 10/26/2001 | PROFILE | 220.00 | 220.00 | 98.00 | 98.00 |
| G186DKA | MW-186 | 10/26/2001 | PROFILE | 230.00 | 230.00 | 108.00 | 108.00 |
| G186DLA | MW-186 | 10/26/2001 | PROFILE | 240.00 | 240.00 | 118.00 | 118.00 |
| G186DMA | MW-186 | 10/26/2001 | PROFILE | 250.00 | 250.00 | 128.00 | 128.00 |
| G186DNA | MW-186 | 10/26/2001 | PROFILE | 260.00 | 260.00 | 138.00 | 138.00 |
| G186DOA | MW-186 | 10/26/2001 | PROFILE | 270.00 | 270.00 | 148.00 | 148.00 |
| G186DPA | MW-186 | 10/26/2001 | PROFILE | 280.00 | 280.00 | 158.00 | 158.00 |
| G186DQA | MW-186 | 10/29/2001 | PROFILE | 290.00 | 290.00 | 168.00 | 168.00 |
| G186DSA | MW-186 | 10/29/2001 | PROFILE | 310.00 | 310.00 | 188.00 | 188.00 |
| G186DTA | MW-186 | 10/29/2001 | PROFILE | 320.00 | 320.00 | 198.00 | 198.00 |
| GAB30A | J2P-11 | 10/10/2001 | PROFILE | 95.00 | 95.00 | 4.30 | 4.30 |
| GAB30D | J2P-11 | 10/10/2001 | PROFILE | 95.00 | 95.00 | 4.30 | 4.30 |
| GTR.B.2.00027.2.0 | gtr.2.00027.o | 10/05/2001 | SOIL BRUSHING | 0.15 | 0.40 | | |
| GTR.B.2.00028.2.0 | GTR.2.00028.o | 10/05/2001 | SOIL BRUSHING | 0.30 | 0.70 | | |
| HCJ1P14DS1A | J1P-14 | 10/15/2001 | SOIL GRAB | 0.25 | 0.50 | | |
| HCJ1P14DS2A | J1P-14 | 10/15/2001 | SOIL GRAB | 0.25 | 0.50 | | |
| HC102DA1DAA | 102DA | 10/15/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC102DB1AAA | 102DB | 10/15/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC102DB1BAA | 102DB | 10/15/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC102DB1CAA | 102DB | 10/15/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC102DB1DAA | 102DB | 10/15/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC102DC1AAA | 102DC | 10/16/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC102DC1BAA | 102DC | 10/16/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC102DC1CAA | 102DC | 10/16/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC102DC1DAA | 102DC | 10/16/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC102EB1DAA | 102EB | 10/16/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC102ED1AAA | 102ED | 10/16/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC102ED1BAA | 102ED | 10/16/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC102ED1CAA | 102ED | 10/16/2001 | SOIL GRID | 0.50 | 1.00 | | |

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SAMPLING PROGRESS
10/1/2001-10/31/2001

| OGDEN_ID | LOCID OR WELL ID | SAMPLED | SAMPLE TYPE | SBD | SED | BWTS | BWTE |
|---|---|---|---|---|---|---|---|
| HC102ED1DAA | 102ED | 10/16/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC102EE1AAA | 102EE | 10/16/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC102EE1BAA | 102EE | 10/16/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC102EE1CAA | 102EE | 10/16/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC102EE1DAA | 102EE | 10/16/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC102PA1DAA | 102PA | 10/16/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC102PB1AAA | 102PB | 10/11/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC102PB1BAA | 102PB | 10/11/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC102PB1CAA | 102PB | 10/11/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC102PB1CAD | 102PB | 10/11/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC102PC1AAA | 102PC | 10/11/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC102PC1BAA | 102PC | 10/11/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC102PC1CAA | 102PC | 10/11/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC102PC1CAD | 102PC | 10/11/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC102PD1AAA | 102PD | 10/11/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC102PD1BAA | 102PD | 10/11/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC102PD1CAA | 102PD | 10/11/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC102PE1AAA | 102PE | 10/11/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC102PE1BAA | 102PE | 10/11/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC102PE1CAA | 102PE | 10/11/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC102UA1AAA | SS102UA | 10/02/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC102UA1BAA | SS102UA | 10/02/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC102UA1CAA | SS102UA | 10/02/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC102UA1CAD | SS102UA | 10/02/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC102UA1DAA | SS102UA | 10/02/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC102UB1AAA | SS102UB | 10/02/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC102UB1BAA | SS102UB | 10/02/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC102UB1CAA | SS102UB | 10/02/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC102UB1DAA | SS102UB | 10/02/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC102UC1AAA | SS102UC | 10/03/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC102UC1BAA | SS102UC | 10/03/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC102UC1CAA | SS102UC | 10/03/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC102UC1DAA | SS102UC | 10/03/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC102UD1AAA | 102UD | 10/01/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC102UD1BAA | 102UD | 10/01/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC102UD1CAA | 102UD | 10/01/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC102UD1DAA | 102UD | 10/01/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC102UE1AAA | 102UE | 10/01/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC102UE1BAA | 102UE | 10/01/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC102UE1CAA | 102UE | 10/01/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC102UE1DAA | 102UE | 10/01/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC102UF1AAA | 102UF | 10/02/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC102UF1BAA | 102UF | 10/02/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC102UF1CAA | 102UF | 10/02/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC102UF1DAA | 102UF | 10/02/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC102UG1AAA | 102UG | 10/01/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC102UG1BAA | 102UG | 10/01/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC102UG1BAD | 102UG | 10/01/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC102UG1CAA | 102UG | 10/01/2001 | SOIL GRID | 0.50 | 1.00 | | |

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Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
Other Sample Types methods are variable
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TABLE 2
SAMPLING PROGRESS
10/1/2001-10/31/2001

| OGDEN_ID | LOCID OR WELL ID | SAMPLED | SAMPLE TYPE | SBD | SED | BWTS | BWTE |
|---|---|---|---|---|---|---|---|
| HC102UG1DAA | 102UG | 10/01/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC102UH1AAA | 102UH | 10/01/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC102UH1BAA | 102UH | 10/01/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC102UH1CAA | 102UH | 10/01/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC102UH1DAA | 102UH | 10/01/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC102UH1DAD | 102UH | 10/01/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC102UI1AAA | 102UI | 10/02/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC102UI1AAD | 102UI | 10/02/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC102UI1BAA | 102UI | 10/02/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC102UI1CAA | 102UI | 10/02/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC102UI1DAA | 102UI | 10/02/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC102VA1DAA | 102VA | 10/11/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC102VB1AAA | 102VB | 10/12/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC102VB1BAA | 102VB | 10/12/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC102VB1CAA | 102VB | 10/12/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC102VB1CAA | 102VB | 10/16/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC102VB1DAA | 102VB | 10/12/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC102VC1AAA | 102VC | 10/15/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC102VC1BAA | 102VC | 10/15/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC102VC1CAA | 102VC | 10/15/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC102VC1DAA | 102VC | 10/15/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC102VD1AAA | 102VD | 10/12/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC102VD1BAA | 102VD | 10/12/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC102VD1CAA | 102VD | 10/12/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC102VD1CAA | 102VD | 10/16/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC102VD1DAA | 102VD | 10/12/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC102VE1AAA | 102VE | 10/12/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC102VE1BAA | 102VE | 10/12/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC102VE1CAA | 102VE | 10/12/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC102VE1DAA | 102VE | 10/12/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC102VF1AAA | 102VF | 10/15/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC102VF1BAA | 102VF | 10/15/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC102VF1CAA | 102VF | 10/15/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC102VF1DAA | 102VF | 10/15/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC102VG1AAA | 102VG | 10/12/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC102VG1BAA | 102VG | 10/12/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC102VG1CAA | 102VG | 10/12/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC102VG1DAA | 102VG | 10/12/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC102VH1AAA | 102VH | 10/12/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC102VH1BAA | 102VH | 10/12/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC102VH1CAA | 102VH | 10/12/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC102VH1DAA | 102VH | 10/12/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC102VI1AAA | 102VI | 10/15/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC102VI1BAA | 102VI | 10/15/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC102VI1CAA | 102VI | 10/15/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC102VI1DAA | 102VI | 10/15/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC102VI1DAD | 102VI | 10/15/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC102VJ1AAA | 102VJ | 10/11/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC102VJ1BAA | 102VJ | 10/11/2001 | SOIL GRID | 0.25 | 0.50 | | |

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SAMPLING PROGRESS
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| OGDEN_ID | LOCID OR WELL ID | SAMPLED | SAMPLE TYPE | SBD | SED | BWTS | BWTE |
|---|---|---|---|---|---|---|---|
| HC102VJ1CAA | 102VJ | 10/11/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC102VJ1DAA | 102VJ | 10/11/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC103BB1DAA | 103BB | 10/17/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC103BB1DAD | 103BB | 10/17/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC103BBA1AAA | 103BBA | 10/17/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC103BBA1BAA | 103BBA | 10/17/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC103BBA1CAA | 103BBA | 10/17/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC103BBA1DAA | 103BBA | 10/17/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC103BC1DAA | 103BC | 10/17/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC103BCA1AAA | 103BCA | 10/18/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC103BCA1BAA | 103BCA | 10/18/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC103BCA1CAA | 103BCA | 10/18/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC103BCA1DAA | 103BCA | 10/18/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC103BD1DAA | 103BD | 10/17/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC103BDA1AAA | 103BDA | 10/18/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC103BDA1BAA | 103BDA | 10/18/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC103BDA1CAA | 103BDA | 10/18/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC103BDA1DAA | 103BDA | 10/18/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC103BEA1AAA | 103BEA | 10/18/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC103BEA1BAA | 103BEA | 10/18/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC103BFA1AAA | 103BFA | 10/18/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC103BFA1BAA | 103BFA | 10/19/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC103BG1DAA | 103BG | 10/22/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC103BGA1CAA | 103BGA | 10/19/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC103BGA1DAA | 103BGA | 10/22/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC145A1AAA | 145A | 10/25/2001 | SOIL GRID | 0.00 | 0.50 | | |
| HC146A1AAA | 146A | 10/24/2001 | SOIL GRID | 0.00 | 0.50 | | |
| HC146B1AAA | 146B | 10/24/2001 | SOIL GRID | 0.00 | 0.50 | | |
| HC146C1AAA | 146C | 10/24/2001 | SOIL GRID | 0.00 | 0.50 | | |
| HC146D1AAA | 146D | 10/24/2001 | SOIL GRID | 0.00 | 0.50 | | |
| HC146D1AAD | 146D | 10/24/2001 | SOIL GRID | 0.00 | 0.50 | | |
| HC146D1DAD | 146D | 10/24/2001 | SOIL GRID | 0.00 | 0.50 | | |
| HC146E1AAA | 146E | 10/24/2001 | SOIL GRID | 0.00 | 0.50 | | |
| HC146F1AAA | 146F | 10/24/2001 | SOIL GRID | 0.00 | 0.50 | | |
| HC146G1AAA | 146G | 10/24/2001 | SOIL GRID | 0.00 | 0.50 | | |
| HC147A1AAA | 147A | 10/25/2001 | SOIL GRID | 0.00 | 0.50 | | |
| HC148A1AAA | 148A | 10/26/2001 | SOIL GRID | 0.00 | 0.50 | | |
| HC149A1AAA | 149A | 10/25/2001 | SOIL GRID | 0.00 | 0.50 | | |
| HC149B1AAA | 149B | 10/25/2001 | SOIL GRID | 0.00 | 0.50 | | |
| HC149C1AAA | 149C | 10/25/2001 | SOIL GRID | 0.00 | 0.50 | | |
| HC149D1AAA | 149D | 10/25/2001 | SOIL GRID | 0.00 | 0.50 | | |
| HC149E1AAA | 149E | 10/25/2001 | SOIL GRID | 0.00 | 0.50 | | |
| HC150A1AAA | 150A | 10/29/2001 | SOIL GRID | 0.00 | 0.50 | | |
| HC150B1AAA | 150B | 10/29/2001 | SOIL GRID | 0.00 | 0.50 | | |
| HC151A1AAA | 151A | 10/26/2001 | SOIL GRID | 0.00 | 0.50 | | |
| HC151B1AAA | 151B | 10/26/2001 | SOIL GRID | 0.00 | 0.50 | | |
| HC151C1AAA | 151C | 10/26/2001 | SOIL GRID | 0.00 | 0.50 | | |
| HC46B1DAA | 46B | 10/22/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC46BA1AAA | 46BA | 10/23/2001 | SOIL GRID | 0.00 | 0.25 | | |

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SAMPLING PROGRESS
10/1/2001-10/31/2001

| OGDEN_ID | LOCID OR WELL ID | SAMPLED | SAMPLE TYPE | SBD | SED | BWTS | BWTE |
|---|---|---|---|---|---|---|---|
| HC46BA1BAA | 46BA | 10/23/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC46BA1CAA | 46BA | 10/23/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC46BB1AAA | 46BB | 10/23/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC46BB1BAA | 46BB | 10/23/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC46BB1CAA | 46BB | 10/23/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC46C1DAA | 46C | 10/22/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HC46CA1AAA | 46CA | 10/23/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC46CA1AAD | 46CA | 10/23/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC46CA1BAA | 46CA | 10/23/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC46CA1CAA | 46CA | 10/23/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC46CB1AAA | 46CB | 10/23/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC46CB1BAA | 46CB | 10/23/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC46CB1CAA | 46CB | 10/23/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC46DA1AAA | 46DA | 10/23/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC46DA1BAA | 46DA | 10/23/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC46DA1CAA | 46DA | 10/23/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HC46DB1AAA | 46DB | 10/22/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC46DB1AAD | 46DB | 10/22/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HC46DB1BAA | 46DB | 10/22/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HC46DB1CAA | 46DB | 10/23/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HD102N11AAA | 102N1 | 10/11/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HD102N11BAA | 102N1 | 10/11/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HD102N11CAA | 102N1 | 10/11/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HD102N21AAA | 102N2 | 10/11/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HD102N21BAA | 102N2 | 10/11/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HD102N21CAA | 102N2 | 10/11/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HD102PA1DAA | 102PA | 10/16/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BB1DAA | 103BB | 10/17/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BB3DAA | 103BB | 10/17/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BB5DAA | 103BB | 10/17/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BB7DAA | 103BB | 10/17/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BBA1AAA | 103BBA | 10/17/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HD103BBA1BAA | 103BBA | 10/17/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HD103BBA1CAA | 103BBA | 10/17/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HD103BBA1DAA | 103BBA | 10/17/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BBA1DAD | 103BBA | 10/17/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BBA3AAA | 103BBA | 10/17/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HD103BBA3BAA | 103BBA | 10/17/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HD103BBA3CAA | 103BBA | 10/17/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HD103BBA3DAA | 103BBA | 10/17/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BBA5AAA | 103BBA | 10/17/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HD103BBA5BAA | 103BBA | 10/17/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HD103BBA5CAA | 103BBA | 10/17/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HD103BBA5DAA | 103BBA | 10/17/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BBA5DAD | 103BBA | 10/17/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BBA7AAA | 103BBA | 10/17/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HD103BBA7BAA | 103BBA | 10/17/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HD103BBA7CAA | 103BBA | 10/17/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HD103BBA7DAA | 103BBA | 10/17/2001 | SOIL GRID | 1.50 | 2.00 | | |

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10/1/2001-10/31/2001

| OGDEN_ID | LOCID OR WELL ID | SAMPLED | SAMPLE TYPE | SBD | SED | BWTS | BWTE |
|---|---|---|---|---|---|---|---|
| HD103BC1DAA | 103BB | 10/17/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BC3DAA | 103BB | 10/17/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BC5DAA | 103BB | 10/17/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BC7DAA | 103BB | 10/17/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BCA1BAA | 103BCA | 10/18/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HD103BCA1CAA | 103BCA | 10/18/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HD103BCA1DAA | 103BCA | 10/18/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BCA1DAD | 103BCA | 10/18/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BCA3AAA | 103BCA | 10/18/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HD103BCA3BAA | 103BCA | 10/18/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HD103BCA3CAA | 103BCA | 10/18/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HD103BCA3DAA | 103BCA | 10/18/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BCA5AAA | 103BCA | 10/18/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HD103BCA5BAA | 103BCA | 10/18/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HD103BCA5CAA | 103BCA | 10/18/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HD103BCA5DAA | 103BCA | 10/18/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BCA5DAD | 103BCA | 10/18/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BCA7AAA | 103BCA | 10/18/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HD103BCA7BAA | 103BCA | 10/18/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HD103BCA7CAA | 103BCA | 10/18/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HD103BCA7DAA | 103BCA | 10/18/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BD1DAA | 103BD | 10/17/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BD3DAA | 103BD | 10/17/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BD5DAA | 103BD | 10/17/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BD7DAA | 103BD | 10/17/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BD7DAD | 103BD | 10/17/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BDA1AAA | 103BDA | 10/18/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HD103BDA1BAA | 103BDA | 10/18/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HD103BDA1CAA | 103BDA | 10/18/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HD103BDA1DAA | 103BDA | 10/18/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BDA1DAD | 103BDA | 10/18/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BDA3AAA | 103BDA | 10/18/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HD103BDA3BAA | 103BDA | 10/18/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HD103BDA3DAA | 103BDA | 10/18/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BDA5AAA | 103BDA | 10/18/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HD103BDA5BAA | 103BDA | 10/18/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HD103BDA5CAA | 103BDA | 10/18/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HD103BDA5DAA | 103BDA | 10/18/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BDA5DAD | 103BDA | 10/18/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BDA7AAA | 103BDA | 10/18/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HD103BDA7BAA | 103BDA | 10/18/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HD103BDA7CAA | 103BDA | 10/18/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HD103BEA1AAA | 103BEA | 10/18/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HD103BEA1BAA | 103BEA | 10/18/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HD103BEA3AAA | 103BEA | 10/18/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HD103BEA3BAA | 103BEA | 10/18/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HD103BEA5AAA | 103BEA | 10/18/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HD103BEA5BAA | 103BEA | 10/18/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HD103BEA7AAA | 103BEA | 10/18/2001 | SOIL GRID | 0.00 | 0.25 | | |

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
10/1/2001-10/31/2001

| OGDEN_ID | LOCID OR WELL ID | SAMPLED | SAMPLE TYPE | SBD | SED | BWTS | BWTE |
|---|---|---|---|---|---|---|---|
| HD103BEA7BAA | 103BEA | 10/18/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HD103BFA1AAA | 103BFA | 10/18/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HD103BFA1BAA | 103BFA | 10/19/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HD103BFA3AAA | 103BFA | 10/18/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HD103BFA3BAA | 103BFA | 10/19/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HD103BFA4BAA | 103BFA | 10/19/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HD103BFA5AAA | 103BFA | 10/18/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HD103BFA5BAA | 103BFA | 10/19/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HD103BFA6BAA | 103BFA | 10/19/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HD103BFA7AAA | 103BFA | 10/18/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HD103BFA7BAA | 103BFA | 10/19/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HD103BG1DAA | 103BG | 10/22/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BG3DAA | 103BG | 10/22/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BG5DAA | 103BG | 10/22/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BG6DAA | 103BG | 10/22/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BG7DAA | 103BG | 10/22/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BG8DAA | 103BG | 10/22/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BGA1AAA | 103BGA | 10/19/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HD103BGA1BAA | 103BGA | 10/19/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HD103BGA1CAA | 103BGA | 10/19/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HD103BGA1DAA | 103BGA | 10/22/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BGA1DAD | 103BGA | 10/22/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BGA3AAA | 103BGA | 10/19/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HD103BGA3BAA | 103BGA | 10/19/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HD103BGA3CAA | 103BGA | 10/19/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HD103BGA3DAA | 103BGA | 10/22/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BGA4DAA | 103BGA | 10/22/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BGA5AAA | 103BGA | 10/19/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HD103BGA5BAA | 103BGA | 10/19/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HD103BGA5CAA | 103BGA | 10/19/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HD103BGA5DAA | 103BGA | 10/22/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BGA5DAD | 103BGA | 10/22/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BGA6DAA | 103BGA | 10/22/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD103BGA7AAA | 103BGA | 10/19/2001 | SOIL GRID | 0.00 | 0.25 | | |
| HD103BGA7BAA | 103BGA | 10/19/2001 | SOIL GRID | 0.25 | 0.50 | | |
| HD103BGA7CAA | 103BGA | 10/19/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HD103BGA7DAA | 103BGA | 10/22/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD146D9AAA | 146D | 10/24/2001 | SOIL GRID | 0.00 | 0.50 | | |
| HD149C3AAA | 149C | 10/25/2001 | SOIL GRID | 0.00 | 0.50 | | |
| HD149E9AAA | 149E | 10/25/2001 | SOIL GRID | 0.00 | 0.50 | | |
| HD150B4AAA | 150B | 10/29/2001 | SOIL GRID | 0.00 | 0.50 | | |
| HD23F2AAA | 23F | 10/31/2001 | SOIL GRID | 0.00 | 0.50 | | |
| HD46B1DAA | 46B | 10/22/2001 | SOIL GRID | 1.50 | 2.00 | | |
| HD46CB2BAA | 46CB | 10/23/2001 | SOIL GRID | 0.50 | 1.00 | | |
| HD46DB1CAA | 46DB | 10/23/2001 | SOIL GRID | 0.50 | 1.00 | | |
| J2.F.2.32862.1.0 | J2.2.32862.O | 10/26/2001 | SOIL GRID | 0.00 | 0.25 | | |
| J2.F.2.32862.2.0 | J2.2.32862.O | 10/26/2001 | SOIL GRID | 8.00 | 8.25 | | |
| MT.F.4.000R1.4.0 | MT.4.000R1 | 10/01/2001 | SOIL GRID | 0.00 | 0.25 | | |
| MT.F.4.000R2.4.0 | MT.4.000R2 | 10/01/2001 | SOIL GRID | 0.00 | 0.25 | | |

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
10/1/2001-10/31/2001

| OGDEN_ID | LOCID OR WELL ID | SAMPLED | SAMPLE TYPE | SBD | SED | BWTS | BWTE |
|---|---|---|---|---|---|---|---|
| MT.F.4.000R3.4.0 | MT.4.000R3 | 10/01/2001 | SOIL GRID | 0.00 | 0.25 | | |
| MT.F.4.000R4.4.0 | MT.4.000R4 | 10/01/2001 | SOIL GRID | 0.00 | 0.25 | | |
| MT.F.4.000R5.4.0 | MT.4.000R5 | 10/01/2001 | SOIL GRID | 0.00 | 0.25 | | |
| N.F.2.00001.4.0 | J2.2.32886.o | 10/24/2001 | SOIL GRID | 0.00 | 0.25 | | |

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

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



| LOCID/WELL ID | OGDEN_ID | SAMPLED | METHOD | OGDEN_ANALYTE | CONC. | FLAG | UNITS | BWTS | BWTE | DW LIMIT | >DW LIMIT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ECMWSNP02 | ECMWSNP02D | 09/13/1999 | 504 | 1,2-DIBROMOETHANE (ETHYI | 110.00 | | NG/L | 79.90 | 84.90 | 50.00 | X |
| MW-41 | W41M1A | 05/18/2000 | 8151 | PENTACHLOROPHENOL | 1.80 | J | UG/L | 108.00 | 118.00 | 1.00 | X |
| MW-19 | W19SSA | 03/05/1998 | 8330N | 2,4,6-TRINITROTOLUENE | 10.00 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-19 | W19S2A | 07/20/1998 | 8330N | 2,4,6-TRINITROTOLUENE | 16.00 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-19 | W19S2D | 07/20/1998 | 8330N | 2,4,6-TRINITROTOLUENE | 16.00 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-19 | W19SSA | 02/12/1999 | 8330N | 2,4,6-TRINITROTOLUENE | 7.20 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-19 | W19SSA | 09/10/1999 | 8330N | 2,4,6-TRINITROTOLUENE | 2.60 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-19 | W19SSA | 05/12/2000 | 8330N | 2,4,6-TRINITROTOLUENE | 3.70 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-19 | W19SSA | 05/23/2000 | 8330N | 2,4,6-TRINITROTOLUENE | 3.90 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-19 | W19SSA | 08/08/2000 | 8330N | 2,4,6-TRINITROTOLUENE | 2.00 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-19 | W19SSA | 12/08/2000 | 8330N | 2,4,6-TRINITROTOLUENE | 2.30 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-31 | W31SSA | 05/15/2000 | 8330N | 2,4,6-TRINITROTOLUENE | 3.30 | | UG/L | 13.00 | 18.00 | 2.00 | X |
| MW-31 | W31SSA | 08/09/2000 | 8330N | 2,4,6-TRINITROTOLUENE | 3.90 | J | UG/L | 13.00 | 18.00 | 2.00 | X |
| MW-31 | W31SSA | 12/08/2000 | 8330N | 2,4,6-TRINITROTOLUENE | 5.20 | J | UG/L | 13.00 | 18.00 | 2.00 | X |
| MW-31 | W31SSA | 05/02/2001 | 8330N | 2,4,6-TRINITROTOLUENE | 5.20 | | UG/L | 13.00 | 18.00 | 2.00 | X |
| MW-31 | W31MMA | 05/23/2001 | 8330N | 2,4,6-TRINITROTOLUENE | 5.20 | | UG/L | 28.00 | 38.00 | 2.00 | X |
| MW-31 | W31DDA | 08/09/2000 | 8330N | 2,4,6-TRINITROTOLUENE | 3.90 | J | UG/L | 48.00 | 53.00 | 2.00 | X |
| 58MW0001 | 58MW0001 | 05/29/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 3.80 | | UG/L | 3.60 | 8.60 | 2.00 | X |
| 58MW0002 | 58MW0002 | 05/23/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 13.00 | | UG/L | 2.90 | 7.90 | 2.00 | X |
| 58MW0002 | WC2XXA | 02/26/1998 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 19.00 | | UG/L | 4.00 | 9.00 | 2.00 | X |
| 58MW0002 | WC2XXA | 01/14/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 20.00 | | UG/L | 4.00 | 9.00 | 2.00 | X |
| 58MW0002 | WC2XXA | 10/08/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 8.80 | | UG/L | 4.00 | 9.00 | 2.00 | X |
| 58MW0009E | WC9EXA | 10/02/1997 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 7.70 | | UG/L | 6.50 | 11.50 | 2.00 | X |
| 58MW0009E | WC9EXA | 01/26/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 17.00 | | UG/L | 6.50 | 11.50 | 2.00 | X |
| 58MW0009E | WC9EXA | 09/28/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 18.00 | | UG/L | 6.50 | 11.50 | 2.00 | X |
| 58MW0009E | WC9EXD | 09/28/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 18.00 | | UG/L | 6.50 | 11.50 | 2.00 | X |
| 58MW0009E | 58MW0009E | 05/23/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 8.40 | | UG/L | 6.50 | 11.50 | 2.00 | X |
| 58MW0011D | 58MW0011D | 05/24/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 7.30 | | UG/L | 49.50 | 54.50 | 2.00 | X |
| 90MW0022 | WF22XA | 01/26/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 3.80 | | UG/L | 72.79 | 77.79 | 2.00 | X |
| 90MW0022 | WF22XA | 02/16/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 5.40 | | UG/L | 72.79 | 77.79 | 2.00 | X |
| 90MW0022 | WF22XA | 09/30/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 5.20 | | UG/L | 72.79 | 77.79 | 2.00 | X |
| 90WT0013 | WF13XA | 01/16/1998 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 5.20 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-1 | W01SSA | 09/30/1997 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.50 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-1 | W01SSD | 09/30/1997 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.40 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-1 | W01SSA | 02/22/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.80 | | UG/L | 0.00 | 10.00 | 2.00 | X |

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

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



| LOCID/WELL ID | OGDEN_ID | SAMPLED | METHOD | OGDEN_ANALYTE | CONC. | FLAG | UNITS | BWTS | BWTE | DW LIMIT | >DW LIMIT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 | W01SSA | 09/07/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.50 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-1 | W01SSA | 05/31/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 3.10 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-1 | W01SSA | 07/31/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 3.80 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-1 | W01SSA | 11/18/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 5.20 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-1 | W01SSA | 12/12/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 6.10 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-1 | W01SSD | 12/12/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 5.40 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-1 | W01MMA | 09/29/1997 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 4.60 | | UG/L | 44.00 | 49.00 | 2.00 | X |
| MW-1 | W01M2A | 03/01/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.20 | | UG/L | 44.00 | 49.00 | 2.00 | X |
| MW-1 | W01M2A | 05/10/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 3.90 | | UG/L | 44.00 | 49.00 | 2.00 | X |
| MW-1 | W01M2A | 07/31/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 3.40 | J | UG/L | 44.00 | 49.00 | 2.00 | X |
| MW-1 | W01M2A | 11/18/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 8.10 | | UG/L | 44.00 | 49.00 | 2.00 | X |
| MW-1 | W01M2D | 11/18/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 8.00 | | UG/L | 44.00 | 49.00 | 2.00 | X |
| MW-1 | W1M2A | 05/01/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 7.80 | | UG/L | 44.00 | 49.00 | 2.00 | X |
| MW-100 | W100M1A | 06/06/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 4.30 | | UG/L | 45.00 | 55.00 | 2.00 | X |
| MW-100 | W100M1D | 06/06/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 4.30 | | UG/L | 45.00 | 55.00 | 2.00 | X |
| MW-100 | W100M1A | 10/02/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 3.90 | | UG/L | 45.00 | 55.00 | 2.00 | X |
| MW-100 | W100M1A | 01/27/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 3.90 | | UG/L | 45.00 | 55.00 | 2.00 | X |
| MW-101 | W101M1A | 06/06/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.50 | | UG/L | 27.00 | 37.00 | 2.00 | X |
| MW-105 | W105M1A | 06/21/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 5.90 | | UG/L | 78.00 | 88.00 | 2.00 | X |
| MW-105 | W105M1A | 11/07/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 3.90 | | UG/L | 78.00 | 88.00 | 2.00 | X |
| MW-105 | W105M1A | 01/27/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 3.30 | | UG/L | 78.00 | 88.00 | 2.00 | X |
| MW-107 | W107M2A | 06/21/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 4.00 | | UG/L | 5.00 | 15.00 | 2.00 | X |
| MW-107 | W107M2A | 11/07/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 3.10 | | UG/L | 5.00 | 15.00 | 2.00 | X |
| MW-111 | W111M3A | 10/10/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.20 | | UG/L | 33.00 | 43.00 | 2.00 | X |
| MW-113 | W113M2A | 09/26/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 9.20 | | UG/L | 48.00 | 58.00 | 2.00 | X |
| MW-113 | W113M2A | 01/15/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 11.00 | | UG/L | 48.00 | 58.00 | 2.00 | X |
| MW-113 | W113M2A | 04/30/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 15.00 | | UG/L | 48.00 | 58.00 | 2.00 | X |
| MW-114 | W114M2A | 10/24/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 140.00 | | UG/L | 39.00 | 49.00 | 2.00 | X |
| MW-114 | W114M2D | 10/24/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 140.00 | | UG/L | 39.00 | 49.00 | 2.00 | X |
| MW-114 | W114M2A | 03/14/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 120.00 | J | UG/L | 39.00 | 49.00 | 2.00 | X |
| MW-114 | W114M1A | 03/14/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.00 | J | UG/L | 96.00 | 106.00 | 2.00 | X |
| MW-132 | W132SSA | 11/09/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.50 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-132 | W132SSA | 02/16/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 4.40 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-147 | W147M2A | 02/23/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 3.00 | | UG/L | 77.00 | 87.00 | 2.00 | X |
| MW-147 | W147M1A | 02/23/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.70 | | UG/L | 94.00 | 104.00 | 2.00 | X |

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

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



| LOCID/WELL ID | OGDEN_ID | SAMPLED | METHOD | OGDEN_ANALYTE | CONC. | FLAG | UNITS | BWTS | BWTE | DW LIMIT | >DW LIMIT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-153 | W153M1A | 03/23/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 9.20 | | UG/L | 108.00 | 118.00 | 2.00 | X |
| MW-163 | W163SSA | 06/14/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 5.70 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-164 | W164M2A | 05/25/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 12.00 | | UG/L | 119.00 | 129.00 | 2.00 | X |
| MW-165 | W165M2A | 05/08/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 60.00 | | UG/L | 46.00 | 56.00 | 2.00 | X |
| MW-166 | W166M3A | 06/01/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 3.30 | | UG/L | 19.00 | 29.00 | 2.00 | X |
| MW-166 | W166M1A | 05/31/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 4.70 | | UG/L | 112.00 | 117.00 | 2.00 | X |
| MW-171 | W171M2A | 05/31/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 4.10 | | UG/L | 83.00 | 88.00 | 2.00 | X |
| MW-19 | W19SSA | 03/05/1998 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 190.00 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-19 | W19S2A | 07/20/1998 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 260.00 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-19 | W19S2D | 07/20/1998 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 260.00 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-19 | W19SSA | 02/12/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 250.00 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-19 | W19SSA | 09/10/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 240.00 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-19 | W19SSA | 05/12/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 150.00 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-19 | W19SSA | 05/23/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 160.00 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-19 | W19SSA | 08/08/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 290.00 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-19 | W19SSA | 12/08/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 200.00 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-19 | W19SSA | 06/18/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 200.00 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-19 | W19SSA | 06/18/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 210.00 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-2 | W02M2A | 01/20/1998 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 13.00 | | UG/L | 33.00 | 38.00 | 2.00 | X |
| MW-2 | W02M2A | 02/03/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 6.80 | | UG/L | 33.00 | 38.00 | 2.00 | X |
| MW-2 | W02M2A | 09/03/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 5.80 | | UG/L | 33.00 | 38.00 | 2.00 | X |
| MW-2 | W02M2A | 05/11/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 3.30 | J | UG/L | 33.00 | 38.00 | 2.00 | X |
| MW-2 | W02M2A | 08/02/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 4.10 | | UG/L | 33.00 | 38.00 | 2.00 | X |
| MW-2 | W02M2A | 11/27/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 4.10 | | UG/L | 33.00 | 38.00 | 2.00 | X |
| MW-2 | W2M2A | 05/03/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 3.10 | | UG/L | 33.00 | 38.00 | 2.00 | X |
| MW-2 | W02M1A | 08/02/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 4.10 | | UG/L | 75.00 | 80.00 | 2.00 | X |
| MW-23 | W23M1A | 11/07/1997 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.30 | J | UG/L | 103.00 | 113.00 | 2.00 | X |
| MW-23 | W23M1A | 03/18/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 4.40 | | UG/L | 103.00 | 113.00 | 2.00 | X |
| MW-23 | W23M1D | 03/18/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 4.70 | | UG/L | 103.00 | 113.00 | 2.00 | X |
| MW-23 | W23M1A | 09/13/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 6.10 | | UG/L | 103.00 | 113.00 | 2.00 | X |
| MW-23 | W23M1A | 05/12/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 6.60 | J | UG/L | 103.00 | 113.00 | 2.00 | X |
| MW-23 | W23M1A | 08/08/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 6.30 | | UG/L | 103.00 | 113.00 | 2.00 | X |
| MW-23 | W23M1A | 12/04/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 6.00 | | UG/L | 103.00 | 113.00 | 2.00 | X |
| MW-23 | W23M1D | 12/04/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 6.20 | | UG/L | 103.00 | 113.00 | 2.00 | X |
| MW-23 | W23M1A | 04/27/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 5.90 | | UG/L | 103.00 | 113.00 | 2.00 | X |

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

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



| LOCID/WELL ID | OGDEN_ID | SAMPLED | METHOD | OGDEN_ANALYTE | CONC. | FLAG | UNITS | BWTS | BWTE | DW LIMIT | >DW LIMIT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-23 | W23M1A | 07/30/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 5.30 | | UG/L | 103.00 | 113.00 | 2.00 | X |
| MW-25 | W25SSA | 10/16/1997 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.00 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-25 | W25SSA | 03/17/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 4.10 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-31 | W31SSA | 07/15/1998 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 64.00 | | UG/L | 13.00 | 18.00 | 2.00 | X |
| MW-31 | W31SSA | 02/01/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 210.00 | | UG/L | 13.00 | 18.00 | 2.00 | X |
| MW-31 | W31SSA | 09/15/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 50.00 | | UG/L | 13.00 | 18.00 | 2.00 | X |
| MW-31 | W31SSA | 05/15/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 110.00 | | UG/L | 13.00 | 18.00 | 2.00 | X |
| MW-31 | W31SSA | 08/09/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 140.00 | | UG/L | 13.00 | 18.00 | 2.00 | X |
| MW-31 | W31SSA | 12/08/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 120.00 | | UG/L | 13.00 | 18.00 | 2.00 | X |
| MW-31 | W31SSA | 05/02/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 81.00 | | UG/L | 13.00 | 18.00 | 2.00 | X |
| MW-31 | W31MMA | 07/15/1998 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 280.00 | | UG/L | 28.00 | 38.00 | 2.00 | X |
| MW-31 | W31MMA | 02/02/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 370.00 | | UG/L | 28.00 | 38.00 | 2.00 | X |
| MW-31 | W31MMA | 09/15/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 29.00 | | UG/L | 28.00 | 38.00 | 2.00 | X |
| MW-31 | W31M1A | 05/15/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 19.00 | | UG/L | 28.00 | 38.00 | 2.00 | X |
| MW-31 | W31M1A | 08/09/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 14.00 | | UG/L | 28.00 | 38.00 | 2.00 | X |
| MW-31 | W31MMA | 05/23/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 70.00 | | UG/L | 28.00 | 38.00 | 2.00 | X |
| MW-31 | W31DDA | 08/09/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 150.00 | | UG/L | 48.00 | 53.00 | 2.00 | X |
| MW-34 | W34M2A | 02/19/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 6.20 | | UG/L | 53.00 | 63.00 | 2.00 | X |
| MW-34 | W34M2A | 05/18/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 4.70 | | UG/L | 53.00 | 63.00 | 2.00 | X |
| MW-34 | W34M2A | 08/10/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 3.10 | | UG/L | 53.00 | 63.00 | 2.00 | X |
| MW-34 | W34M2A | 11/17/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.50 | | UG/L | 53.00 | 63.00 | 2.00 | X |
| MW-34 | W34M1A | 05/17/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.20 | | UG/L | 73.00 | 83.00 | 2.00 | X |
| MW-34 | W34M1A | 08/11/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 5.00 | | UG/L | 73.00 | 83.00 | 2.00 | X |
| MW-34 | W34M1A | 11/17/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 4.50 | | UG/L | 73.00 | 83.00 | 2.00 | X |
| MW-37 | W37M2A | 09/29/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.90 | | UG/L | 26.00 | 36.00 | 2.00 | X |
| MW-37 | W37M2A | 12/29/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 3.60 | | UG/L | 26.00 | 36.00 | 2.00 | X |
| MW-37 | W37M2A | 03/27/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 3.10 | | UG/L | 26.00 | 36.00 | 2.00 | X |
| MW-37 | W37M2A | 08/31/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.80 | J | UG/L | 26.00 | 36.00 | 2.00 | X |
| MW-37 | W37M2A | 11/27/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.40 | | UG/L | 26.00 | 36.00 | 2.00 | X |
| MW-37 | W37M2D | 11/27/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.40 | | UG/L | 26.00 | 36.00 | 2.00 | X |
| MW-38 | W38M3A | 05/06/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.50 | | UG/L | 52.00 | 62.00 | 2.00 | X |
| MW-38 | W38M3A | 08/18/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.60 | | UG/L | 52.00 | 62.00 | 2.00 | X |
| MW-38 | W38M3A | 11/10/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 3.00 | | UG/L | 52.00 | 62.00 | 2.00 | X |
| MW-38 | W38M3A | 05/16/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.90 | J | UG/L | 52.00 | 62.00 | 2.00 | X |
| MW-38 | W38M3A | 08/11/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.60 | | UG/L | 52.00 | 62.00 | 2.00 | X |

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

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



| LOCID/WELL ID | OGDEN_ID | SAMPLED | METHOD | OGDEN_ANALYTE | CONC. | FLAG | UNITS | BWTS | BWTE | DW LIMIT | >DW LIMIT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-38 | W38M3A | 11/20/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.40 | | UG/L | 52.00 | 62.00 | 2.00 | X |
| MW-38 | W38M3A | 04/30/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.30 | J | UG/L | 52.00 | 62.00 | 2.00 | X |
| MW-40 | W40M1A | 09/21/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.80 | | UG/L | 13.00 | 23.00 | 2.00 | X |
| MW-40 | W40M1D | 09/21/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.60 | | UG/L | 13.00 | 23.00 | 2.00 | X |
| MW-40 | W40M1A | 12/30/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 3.00 | J | UG/L | 13.00 | 23.00 | 2.00 | X |
| MW-40 | W40M1A | 04/14/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.00 | J | UG/L | 13.00 | 23.00 | 2.00 | X |
| MW-40 | W40M1A | 09/01/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.40 | J | UG/L | 13.00 | 23.00 | 2.00 | X |
| MW-40 | W40M1A | 11/27/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.50 | | UG/L | 13.00 | 23.00 | 2.00 | X |
| MW-40 | W40M1A | 06/02/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.10 | | UG/L | 13.00 | 23.00 | 2.00 | X |
| MW-58 | W58SSA | 11/23/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 3.70 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-58 | W58SSA | 02/15/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 6.00 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-58 | W58SSA | 05/11/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 7.40 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-58 | W58SSA | 09/05/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 6.10 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-58 | W58SSA | 12/20/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 5.10 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-58 | W58SSA | 06/14/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 5.30 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-73 | W73SSA | 07/09/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 50.00 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-73 | W73SSA | 09/16/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 63.00 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-73 | W73SSA | 11/02/1999 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 57.00 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-73 | W73SSA | 06/02/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 44.00 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-73 | W73SSA | 09/05/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 29.00 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-73 | W73SSA | 11/14/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 28.00 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-73 | W73SSD | 11/14/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 29.00 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-73 | W73SSA | 06/14/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 22.00 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-76 | W76SSA | 01/20/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 11.00 | | UG/L | 18.00 | 28.00 | 2.00 | X |
| MW-76 | W76SSA | 05/02/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 7.50 | J | UG/L | 18.00 | 28.00 | 2.00 | X |
| MW-76 | W76SSA | 08/01/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 4.10 | | UG/L | 18.00 | 28.00 | 2.00 | X |
| MW-76 | W76SSA | 05/07/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.10 | | UG/L | 18.00 | 28.00 | 2.00 | X |
| MW-76 | W76M2A | 01/24/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 31.00 | | UG/L | 38.00 | 48.00 | 2.00 | X |
| MW-76 | W76M2D | 01/24/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 29.00 | | UG/L | 38.00 | 48.00 | 2.00 | X |
| MW-76 | W76M2A | 05/02/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 37.00 | J | UG/L | 38.00 | 48.00 | 2.00 | X |
| MW-76 | W76M2A | 08/02/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 31.00 | | UG/L | 38.00 | 48.00 | 2.00 | X |
| MW-76 | W76M2A | 12/07/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 46.00 | | UG/L | 38.00 | 48.00 | 2.00 | X |
| MW-76 | W76M2A | 05/07/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 56.00 | | UG/L | 38.00 | 48.00 | 2.00 | X |
| MW-76 | W76M1A | 12/07/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 5.30 | | UG/L | 58.00 | 68.00 | 2.00 | X |
| MW-76 | W76M1A | 05/07/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 28.00 | | UG/L | 58.00 | 68.00 | 2.00 | X |

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

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



| LOCID/WELL ID | OGDEN_ID | SAMPLED | METHOD | OGDEN_ANALYTE | CONC. | FLAG | UNITS | BWTS | BWTE | DW LIMIT | >DW LIMIT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-77 | W77M2A | 01/25/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 150.00 | | UG/L | 38.00 | 48.00 | 2.00 | X |
| MW-77 | W77M2A | 05/02/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 100.00 | J | UG/L | 38.00 | 48.00 | 2.00 | X |
| MW-77 | W77M2A | 08/01/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 97.00 | J | UG/L | 38.00 | 48.00 | 2.00 | X |
| MW-77 | W77M2A | 12/07/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 93.00 | | UG/L | 38.00 | 48.00 | 2.00 | X |
| MW-77 | W77M2A | 05/10/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 39.00 | | UG/L | 38.00 | 48.00 | 2.00 | X |
| MW-85 | W85M1A | 05/22/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 29.00 | | UG/L | 22.00 | 32.00 | 2.00 | X |
| MW-85 | W85M1A | 02/10/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 24.00 | | UG/L | 22.00 | 32.00 | 2.00 | X |
| MW-86 | W86SSA | 04/28/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.50 | J | UG/L | 1.00 | 11.00 | 2.00 | X |
| MW-87 | W87M1A | 04/28/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 6.50 | J | UG/L | 62.00 | 72.00 | 2.00 | X |
| MW-87 | W87M1A | 09/14/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 5.00 | | UG/L | 62.00 | 72.00 | 2.00 | X |
| MW-87 | W87M1A | 01/10/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 4.60 | | UG/L | 62.00 | 72.00 | 2.00 | X |
| MW-88 | W88M2A | 05/24/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 7.00 | | UG/L | 72.00 | 82.00 | 2.00 | X |
| MW-88 | W88M2A | 09/21/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 7.70 | | UG/L | 72.00 | 82.00 | 2.00 | X |
| MW-88 | W88M2A | 01/10/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 6.80 | | UG/L | 72.00 | 82.00 | 2.00 | X |
| MW-89 | W89M2A | 05/26/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 8.30 | | UG/L | 72.00 | 82.00 | 2.00 | X |
| MW-89 | W89M2A | 09/21/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 8.30 | | UG/L | 72.00 | 82.00 | 2.00 | X |
| MW-89 | W89M2A | 01/11/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 7.50 | | UG/L | 72.00 | 82.00 | 2.00 | X |
| MW-90 | W90SSA | 05/19/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 3.40 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-90 | W90M1A | 10/11/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.40 | | UG/L | 27.00 | 37.00 | 2.00 | X |
| MW-91 | W91SSA | 05/19/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 12.00 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-91 | W91SSA | 11/07/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 13.00 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-91 | W91SSA | 01/20/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 12.00 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-91 | W91M1A | 05/22/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 18.00 | | UG/L | 45.00 | 55.00 | 2.00 | X |
| MW-91 | W91M1A | 11/07/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 11.00 | | UG/L | 45.00 | 55.00 | 2.00 | X |
| MW-91 | W91M1D | 11/07/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 11.00 | | UG/L | 45.00 | 55.00 | 2.00 | X |
| MW-91 | W91M1A | 01/20/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 12.00 | | UG/L | 45.00 | 55.00 | 2.00 | X |
| MW-93 | W93M2A | 05/26/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 5.20 | | UG/L | 16.00 | 26.00 | 2.00 | X |
| MW-93 | W93M2A | 11/07/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 4.20 | | UG/L | 16.00 | 26.00 | 2.00 | X |
| MW-93 | W93M2A | 01/20/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 4.10 | J | UG/L | 16.00 | 26.00 | 2.00 | X |
| MW-93 | W93M1A | 05/26/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.20 | J | UG/L | 56.00 | 66.00 | 2.00 | X |
| MW-93 | W93M1A | 11/07/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.50 | | UG/L | 56.00 | 66.00 | 2.00 | X |
| MW-93 | W93M1A | 01/22/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.40 | J | UG/L | 56.00 | 66.00 | 2.00 | X |
| MW-93 | W93M1D | 01/22/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.40 | | UG/L | 56.00 | 66.00 | 2.00 | X |
| MW-95 | W95M1A | 05/25/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.20 | | UG/L | 78.00 | 88.00 | 2.00 | X |
| MW-98 | W98M1A | 05/25/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 2.10 | | UG/L | 26.00 | 36.00 | 2.00 | X |

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

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



| LOCID/WELL ID | OGDEN_ID | SAMPLED | METHOD | OGDEN_ANALYTE | CONC. | FLAG | UNITS | BWTS | BWTE | DW LIMIT | >DW LIMIT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-99 | W99M1A | 05/25/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 6.90 | | UG/L | 60.00 | 70.00 | 2.00 | X |
| MW-99 | W99M1D | 05/25/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 6.90 | | UG/L | 60.00 | 70.00 | 2.00 | X |
| MW-99 | W99M1A | 09/29/2000 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 5.00 | | UG/L | 60.00 | 70.00 | 2.00 | X |
| MW-99 | W99M1A | 01/13/2001 | 8330N | HEXAHYDRO-1,3,5-TRINITRO | 3.20 | | UG/L | 60.00 | 70.00 | 2.00 | X |
| ASPWELL | ASPWELL | 07/20/1999 | E200.8 | LEAD | 53.00 | | UG/L | 0.00 | 0.00 | 15.00 | X |
| 90MW0022 | 90MW0022 | 05/19/2001 | E314.0 | PERCHLORATE | 2.00 | J | UG/L | 72.79 | 77.79 | 1.50 | X |
| 90MW0054 | 90MW0054AA | 01/30/2001 | E314.0 | PERCHLORATE | 9.00 | | UG/L | 91.83 | 96.83 | 1.50 | X |
| 90MW0054 | 90MW0054AD | 01/30/2001 | E314.0 | PERCHLORATE | 10.00 | | UG/L | 91.83 | 96.83 | 1.50 | X |
| MW-101 | W101M1A | 01/20/2001 | E314.0 | PERCHLORATE | 3.00 | J | UG/L | 27.00 | 37.00 | 1.50 | X |
| MW-114 | W114M2A | 12/29/2000 | E314.0 | PERCHLORATE | 300.00 | | UG/L | 39.00 | 49.00 | 1.50 | X |
| MW-114 | W114M2A | 03/14/2001 | E314.0 | PERCHLORATE | 260.00 | | UG/L | 39.00 | 49.00 | 1.50 | X |
| MW-114 | W114M1A | 12/28/2000 | E314.0 | PERCHLORATE | 11.00 | | UG/L | 96.00 | 106.00 | 1.50 | X |
| MW-114 | W114M1A | 03/14/2001 | E314.0 | PERCHLORATE | 13.00 | | UG/L | 96.00 | 106.00 | 1.50 | X |
| MW-114 | W114M1A | 06/18/2001 | E314.0 | PERCHLORATE | 10.00 | | UG/L | 96.00 | 106.00 | 1.50 | X |
| MW-125 | W125M1A | 02/20/2001 | E314.0 | PERCHLORATE | 3.00 | J | UG/L | 182.00 | 192.00 | 1.50 | X |
| MW-127 | W127SSA | 02/14/2001 | E314.0 | PERCHLORATE | 4.00 | J | UG/L | 0.00 | 10.00 | 1.50 | X |
| MW-128 | W128SSA | 02/14/2001 | E314.0 | PERCHLORATE | 3.00 | J | UG/L | 0.00 | 10.00 | 1.50 | X |
| MW-129 | W129M2A | 03/14/2001 | E314.0 | PERCHLORATE | 6.00 | | UG/L | 46.00 | 56.00 | 1.50 | X |
| MW-129 | W129M1A | 01/02/2001 | E314.0 | PERCHLORATE | 10.00 | | UG/L | 66.00 | 76.00 | 1.50 | X |
| MW-129 | W129M1A | 03/14/2001 | E314.0 | PERCHLORATE | 9.00 | | UG/L | 66.00 | 76.00 | 1.50 | X |
| MW-130 | W130SSA | 02/14/2001 | E314.0 | PERCHLORATE | 3.00 | J | UG/L | 0.00 | 10.00 | 1.50 | X |
| MW-130 | W130SSA | 06/14/2001 | E314.0 | PERCHLORATE | 3.00 | J | UG/L | 0.00 | 10.00 | 1.50 | X |
| MW-130 | W130SSD | 06/14/2001 | E314.0 | PERCHLORATE | 3.00 | J | UG/L | 0.00 | 10.00 | 1.50 | X |
| MW-132 | W132SSA | 11/09/2000 | E314.0 | PERCHLORATE | 39.00 | J | UG/L | 0.00 | 10.00 | 1.50 | X |
| MW-132 | W132SSA | 02/16/2001 | E314.0 | PERCHLORATE | 65.00 | | UG/L | 0.00 | 10.00 | 1.50 | X |
| MW-132 | W132SSA | 06/15/2001 | E314.0 | PERCHLORATE | 75.00 | | UG/L | 0.00 | 10.00 | 1.50 | X |
| MW-139 | W139M2A | 12/29/2000 | E314.0 | PERCHLORATE | 8.00 | | UG/L | 70.00 | 80.00 | 1.50 | X |
| MW-139 | W139M2A | 03/15/2001 | E314.0 | PERCHLORATE | 11.00 | J | UG/L | 70.00 | 80.00 | 1.50 | X |
| MW-158 | W158SSA | 06/12/2001 | E314.0 | PERCHLORATE | 2.00 | J | UG/L | 2.00 | 12.00 | 1.50 | X |
| MW-163 | W163SSA | 06/14/2001 | E314.0 | PERCHLORATE | 67.00 | | UG/L | 0.00 | 10.00 | 1.50 | X |
| MW-165 | W165M2A | 05/08/2001 | E314.0 | PERCHLORATE | 122.00 | J | UG/L | 46.00 | 56.00 | 1.50 | X |
| MW-19 | W19SSA | 08/08/2000 | E314.0 | PERCHLORATE | 5.00 | J | UG/L | 0.00 | 10.00 | 1.50 | X |
| MW-19 | W19SSA | 12/08/2000 | E314.0 | PERCHLORATE | 12.00 | | UG/L | 0.00 | 10.00 | 1.50 | X |
| MW-19 | W19SSA | 06/18/2001 | E314.0 | PERCHLORATE | 41.00 | | UG/L | 0.00 | 10.00 | 1.50 | X |
| MW-31 | W31SSA | 08/09/2000 | E314.0 | PERCHLORATE | 40.00 | J | UG/L | 13.00 | 18.00 | 1.50 | X |

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

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



| LOCID/WELL ID | OGDEN_ID | SAMPLED | METHOD | OGDEN_ANALYTE | CONC. | FLAG | UNITS | BWTS | BWTE | DW LIMIT | >DW LIMIT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-31 | W31SSA | 12/08/2000 | E314.0 | PERCHLORATE | 30.00 | | UG/L | 13.00 | 18.00 | 1.50 | X |
| MW-31 | W31SSA | 05/02/2001 | E314.0 | PERCHLORATE | 20.00 | J | UG/L | 13.00 | 18.00 | 1.50 | X |
| MW-31 | W31M1A | 08/09/2000 | E314.0 | PERCHLORATE | 50.00 | J | UG/L | 28.00 | 38.00 | 1.50 | X |
| MW-31 | W31MMA | 05/23/2001 | E314.0 | PERCHLORATE | 19.00 | | UG/L | 28.00 | 38.00 | 1.50 | X |
| MW-34 | W34M2A | 08/10/2000 | E314.0 | PERCHLORATE | 60.00 | J | UG/L | 53.00 | 63.00 | 1.50 | X |
| MW-34 | W34M2A | 12/18/2000 | E314.0 | PERCHLORATE | 34.00 | | UG/L | 53.00 | 63.00 | 1.50 | X |
| MW-34 | W34M2A | 05/01/2001 | E314.0 | PERCHLORATE | 28.00 | J | UG/L | 53.00 | 63.00 | 1.50 | X |
| MW-34 | W34M1A | 12/18/2000 | E314.0 | PERCHLORATE | 109.00 | | UG/L | 73.00 | 83.00 | 1.50 | X |
| MW-34 | W34M1A | 05/05/2001 | E314.0 | PERCHLORATE | 46.00 | | UG/L | 73.00 | 83.00 | 1.50 | X |
| MW-35 | W35M1A | 05/04/2001 | E314.0 | PERCHLORATE | 4.00 | J | UG/L | 68.00 | 78.00 | 1.50 | X |
| MW-35 | W35M1A | 08/03/2001 | E314.0 | PERCHLORATE | 5.40 | | UG/L | 68.00 | 78.00 | 1.50 | X |
| MW-66 | W66SSA | 08/13/2001 | E314.0 | PERCHLORATE | 1.90 | J | UG/L | 1.00 | 11.00 | 1.50 | X |
| MW-7 | W7DDA | 08/20/2001 | E314.0 | PERCHLORATE | 29.50 | | UG/L | 223.50 | 233.50 | 1.50 | X |
| MW-73 | W73SSD | 12/19/2000 | E314.0 | PERCHLORATE | 6.00 | | UG/L | 0.00 | 10.00 | 1.50 | X |
| MW-73 | W73SSA | 06/14/2001 | E314.0 | PERCHLORATE | 10.00 | | UG/L | 0.00 | 10.00 | 1.50 | X |
| MW-75 | W75M2A | 05/09/2001 | E314.0 | PERCHLORATE | 9.00 | J | UG/L | 34.00 | 44.00 | 1.50 | X |
| MW-75 | W75M2D | 05/09/2001 | E314.0 | PERCHLORATE | 9.00 | J | UG/L | 34.00 | 44.00 | 1.50 | X |
| MW-76 | W76SSA | 12/07/2000 | E314.0 | PERCHLORATE | 5.00 | | UG/L | 18.00 | 28.00 | 1.50 | X |
| MW-76 | W76SSA | 05/07/2001 | E314.0 | PERCHLORATE | 7.00 | | UG/L | 18.00 | 28.00 | 1.50 | X |
| MW-76 | W76M2A | 12/06/2000 | E314.0 | PERCHLORATE | 11.00 | | UG/L | 38.00 | 48.00 | 1.50 | X |
| MW-76 | W76M2A | 05/07/2001 | E314.0 | PERCHLORATE | 17.00 | | UG/L | 38.00 | 48.00 | 1.50 | X |
| MW-76 | W76M1A | 05/07/2001 | E314.0 | PERCHLORATE | 8.00 | | UG/L | 58.00 | 68.00 | 1.50 | X |
| MW-77 | W77M2A | 12/06/2000 | E314.0 | PERCHLORATE | 28.00 | | UG/L | 38.00 | 48.00 | 1.50 | X |
| MW-77 | W77M2A | 05/10/2001 | E314.0 | PERCHLORATE | 16.00 | J | UG/L | 38.00 | 48.00 | 1.50 | X |
| MW-78 | W78M2A | 12/06/2000 | E314.0 | PERCHLORATE | 19.00 | | UG/L | 38.00 | 48.00 | 1.50 | X |
| MW-78 | W78M2A | 05/10/2001 | E314.0 | PERCHLORATE | 9.00 | J | UG/L | 38.00 | 48.00 | 1.50 | X |
| MW-78 | W78M2A | 08/15/2001 | E314.0 | PERCHLORATE | 11.40 | | UG/L | 38.00 | 48.00 | 1.50 | X |
| MW-80 | W80M1A | 08/20/2001 | E314.0 | PERCHLORATE | 1.70 | J | UG/L | 86.00 | 96.00 | 1.50 | X |
| MW-91 | W91SSA | 01/20/2001 | E314.0 | PERCHLORATE | 5.00 | J | UG/L | 0.00 | 10.00 | 1.50 | X |
| MW-93 | W93M2A | 01/20/2001 | E314.0 | PERCHLORATE | 2.00 | J | UG/L | 16.00 | 26.00 | 1.50 | X |
| MW-93 | W93M1A | 01/20/2001 | E314.0 | PERCHLORATE | 3.00 | J | UG/L | 56.00 | 66.00 | 1.50 | X |
| MW-93 | W93M1D | 01/20/2001 | E314.0 | PERCHLORATE | 2.00 | J | UG/L | 56.00 | 66.00 | 1.50 | X |
| MW-1 | W01SSA | 09/07/1999 | IM40MB | ANTIMONY | 6.70 | J | UG/L | 0.00 | 10.00 | 6.00 | X |
| MW-3 | W03DDL | 03/06/1998 | IM40MB | ANTIMONY | 13.80 | J | UG/L | 219.00 | 224.00 | 6.00 | X |
| MW-34 | W34M2A | 08/16/1999 | IM40MB | ANTIMONY | 6.60 | J | UG/L | 53.00 | 63.00 | 6.00 | X |

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

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



| LOCID/WELL ID | OGDEN_ID | SAMPLED | METHOD | OGDEN_ANALYTE | CONC. | FLAG | UNITS | BWTS | BWTE | DW LIMIT | >DW LIMIT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-35 | W35SSA | 08/19/1999 | IM40MB | ANTIMONY | 6.90 | J | UG/L | 0.00 | 10.00 | 6.00 | X |
| MW-35 | W35SSD | 08/19/1999 | IM40MB | ANTIMONY | 13.80 | J | UG/L | 0.00 | 10.00 | 6.00 | X |
| MW-36 | W36SSA | 08/17/1999 | IM40MB | ANTIMONY | 6.70 | J | UG/L | 0.00 | 10.00 | 6.00 | X |
| MW-38 | W38SSA | 08/18/1999 | IM40MB | ANTIMONY | 7.40 | | UG/L | 0.00 | 10.00 | 6.00 | X |
| MW-38 | W38M3A | 08/18/1999 | IM40MB | ANTIMONY | 6.60 | J | UG/L | 52.00 | 62.00 | 6.00 | X |
| MW-38 | W38DDA | 08/17/1999 | IM40MB | ANTIMONY | 6.90 | J | UG/L | 124.00 | 134.00 | 6.00 | X |
| MW-39 | W39M1A | 08/18/1999 | IM40MB | ANTIMONY | 7.50 | | UG/L | 84.00 | 94.00 | 6.00 | X |
| MW-50 | W50M1A | 05/15/2000 | IM40MB | ANTIMONY | 9.50 | | UG/L | 89.00 | 99.00 | 6.00 | X |
| PPAWSMW-3 | PPAWSMW-3 | 08/12/1999 | IM40MB | ANTIMONY | 6.00 | J | UG/L | 0.00 | 10.00 | 6.00 | X |
| MW-7 | W07M1A | 09/07/1999 | IM40MB | ARSENIC | 52.80 | | UG/L | 135.00 | 140.00 | 50.00 | X |
| MW-52 | W52M3L | 08/27/1999 | IM40MB | CADMIUM | 12.20 | | UG/L | 59.00 | 64.00 | 5.00 | X |
| MW-7 | W07M1A | 09/07/1999 | IM40MB | CHROMIUM, TOTAL | 114.00 | | UG/L | 135.00 | 140.00 | 100.00 | X |
| ASPWELL | ASPWELL | 12/12/2000 | IM40MB | LEAD | 20.90 | | UG/L | 0.00 | 0.00 | 15.00 | X |
| ASPWELL | ASPWELL | 05/24/2001 | IM40MB | LEAD | 30.40 | | UG/L | 0.00 | 0.00 | 15.00 | X |
| MW-2 | W02SSA | 02/23/1998 | IM40MB | LEAD | 20.10 | | UG/L | 0.00 | 10.00 | 15.00 | X |
| MW-7 | W07M1A | 09/07/1999 | IM40MB | LEAD | 40.20 | | UG/L | 135.00 | 140.00 | 15.00 | X |
| MW-7 | W07M1D | 09/07/1999 | IM40MB | LEAD | 18.30 | | UG/L | 135.00 | 140.00 | 15.00 | X |
| MW-13 | W13SSA | 01/27/1998 | IM40MB | MOLYBDENUM | 11.20 | | UG/L | 0.00 | 10.00 | 10.00 | X |
| MW-13 | W13SSL | 01/27/1998 | IM40MB | MOLYBDENUM | 10.40 | J | UG/L | 0.00 | 10.00 | 10.00 | X |
| MW-13 | W13DDA | 01/26/1998 | IM40MB | MOLYBDENUM | 26.60 | | UG/L | 145.00 | 150.00 | 10.00 | X |
| MW-13 | W13DDL | 01/26/1998 | IM40MB | MOLYBDENUM | 30.40 | | UG/L | 145.00 | 150.00 | 10.00 | X |
| MW-13 | W13DDA | 03/11/1999 | IM40MB | MOLYBDENUM | 11.00 | | UG/L | 145.00 | 150.00 | 10.00 | X |
| MW-13 | W13DDD | 03/11/1999 | IM40MB | MOLYBDENUM | 12.10 | J | UG/L | 145.00 | 150.00 | 10.00 | X |
| MW-13 | W13DDA | 09/09/1999 | IM40MB | MOLYBDENUM | 17.30 | | UG/L | 145.00 | 150.00 | 10.00 | X |
| MW-13 | W13DDA | 05/17/2000 | IM40MB | MOLYBDENUM | 17.00 | | UG/L | 145.00 | 150.00 | 10.00 | X |
| MW-13 | W13DDD | 05/17/2000 | IM40MB | MOLYBDENUM | 16.80 | | UG/L | 145.00 | 150.00 | 10.00 | X |
| MW-13 | W13DDA | 12/15/2000 | IM40MB | MOLYBDENUM | 11.70 | | UG/L | 145.00 | 150.00 | 10.00 | X |
| MW-16 | W16SSA | 03/10/1999 | IM40MB | MOLYBDENUM | 21.00 | J | UG/L | 0.00 | 10.00 | 10.00 | X |
| MW-16 | W16DDA | 03/09/1999 | IM40MB | MOLYBDENUM | 22.20 | | UG/L | 223.00 | 228.00 | 10.00 | X |
| MW-16 | W16DDD | 03/09/1999 | IM40MB | MOLYBDENUM | 23.20 | | UG/L | 223.00 | 228.00 | 10.00 | X |
| MW-16 | W16DDA | 09/09/1999 | IM40MB | MOLYBDENUM | 18.00 | J | UG/L | 223.00 | 228.00 | 10.00 | X |
| MW-16 | W16DDA | 05/17/2000 | IM40MB | MOLYBDENUM | 12.20 | | UG/L | 223.00 | 228.00 | 10.00 | X |
| MW-16 | W16DDA | 08/03/2000 | IM40MB | MOLYBDENUM | 12.40 | | UG/L | 223.00 | 228.00 | 10.00 | X |
| MW-16 | W16DDA | 11/16/2000 | IM40MB | MOLYBDENUM | 16.80 | | UG/L | 223.00 | 228.00 | 10.00 | X |
| MW-16 | W16DDA | 05/18/2001 | IM40MB | MOLYBDENUM | 15.00 | | UG/L | 223.00 | 228.00 | 10.00 | X |

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

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



| LOCID/WELL ID | OGDEN_ID | SAMPLED | METHOD | OGDEN_ANALYTE | CONC. | FLAG | UNITS | BWTS | BWTE | DW LIMIT | >DW LIMIT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-17 | W17M1L | 05/18/1999 | IM40MB | MOLYBDENUM | 12.60 | | UG/L | 96.00 | 106.00 | 10.00 | X |
| MW-2 | W02SSA | 02/23/1998 | IM40MB | MOLYBDENUM | 72.10 | | UG/L | 0.00 | 10.00 | 10.00 | X |
| MW-2 | W02SSL | 02/23/1998 | IM40MB | MOLYBDENUM | 63.30 | | UG/L | 0.00 | 10.00 | 10.00 | X |
| MW-2 | W02SSA | 02/01/1999 | IM40MB | MOLYBDENUM | 26.10 | J | UG/L | 0.00 | 10.00 | 10.00 | X |
| MW-2 | W02SSL | 02/01/1999 | IM40MB | MOLYBDENUM | 34.00 | | UG/L | 0.00 | 10.00 | 10.00 | X |
| MW-2 | W02SSA | 09/02/1999 | IM40MB | MOLYBDENUM | 29.00 | | UG/L | 0.00 | 10.00 | 10.00 | X |
| MW-2 | W02SSL | 09/02/1999 | IM40MB | MOLYBDENUM | 27.10 | | UG/L | 0.00 | 10.00 | 10.00 | X |
| MW-2 | W02DDA | 02/02/1999 | IM40MB | MOLYBDENUM | 25.60 | | UG/L | 218.00 | 223.00 | 10.00 | X |
| MW-2 | W02DDL | 02/02/1999 | IM40MB | MOLYBDENUM | 26.30 | J | UG/L | 218.00 | 223.00 | 10.00 | X |
| MW-2 | W02DDA | 09/03/1999 | IM40MB | MOLYBDENUM | 12.80 | | UG/L | 218.00 | 223.00 | 10.00 | X |
| MW-45 | W45SSA | 05/29/2000 | IM40MB | MOLYBDENUM | 10.40 | | UG/L | 0.00 | 10.00 | 10.00 | X |
| MW-45 | W45SSA | 12/27/2000 | IM40MB | MOLYBDENUM | 10.30 | | UG/L | 0.00 | 10.00 | 10.00 | X |
| MW-46 | W46M2A | 03/30/1999 | IM40MB | MOLYBDENUM | 48.90 | | UG/L | 56.00 | 66.00 | 10.00 | X |
| MW-46 | W46M2L | 03/30/1999 | IM40MB | MOLYBDENUM | 51.00 | | UG/L | 56.00 | 66.00 | 10.00 | X |
| MW-46 | W46M2A | 08/24/1999 | IM40MB | MOLYBDENUM | 17.40 | | UG/L | 56.00 | 66.00 | 10.00 | X |
| MW-46 | W46M1A | 03/29/1999 | IM40MB | MOLYBDENUM | 32.80 | | UG/L | 103.00 | 113.00 | 10.00 | X |
| MW-46 | W46DDA | 04/01/1999 | IM40MB | MOLYBDENUM | 17.20 | | UG/L | 136.00 | 146.00 | 10.00 | X |
| MW-47 | W47M3A | 03/29/1999 | IM40MB | MOLYBDENUM | 43.10 | | UG/L | 21.00 | 31.00 | 10.00 | X |
| MW-47 | W47M3L | 03/29/1999 | IM40MB | MOLYBDENUM | 40.50 | | UG/L | 21.00 | 31.00 | 10.00 | X |
| MW-47 | W47M2A | 03/26/1999 | IM40MB | MOLYBDENUM | 11.00 | | UG/L | 38.00 | 48.00 | 10.00 | X |
| MW-48 | W48M1A | 11/23/1999 | IM40MB | MOLYBDENUM | 17.90 | | UG/L | 91.00 | 101.00 | 10.00 | X |
| MW-5 | W05DDA | 02/13/1998 | IM40MB | MOLYBDENUM | 28.30 | | UG/L | 223.00 | 228.00 | 10.00 | X |
| MW-5 | W05DDL | 02/13/1998 | IM40MB | MOLYBDENUM | 26.60 | | UG/L | 223.00 | 228.00 | 10.00 | X |
| MW-50 | W50M2A | 04/26/1999 | IM40MB | MOLYBDENUM | 20.60 | | UG/L | 59.00 | 69.00 | 10.00 | X |
| MW-50 | W50M1A | 04/27/1999 | IM40MB | MOLYBDENUM | 11.80 | | UG/L | 89.00 | 99.00 | 10.00 | X |
| MW-52 | W52M3A | 04/07/1999 | IM40MB | MOLYBDENUM | 72.60 | | UG/L | 59.00 | 64.00 | 10.00 | X |
| MW-52 | W52M3L | 04/07/1999 | IM40MB | MOLYBDENUM | 67.60 | | UG/L | 59.00 | 64.00 | 10.00 | X |
| MW-52 | W52M3A | 08/27/1999 | IM40MB | MOLYBDENUM | 23.40 | | UG/L | 59.00 | 64.00 | 10.00 | X |
| MW-52 | W52M3L | 08/27/1999 | IM40MB | MOLYBDENUM | 23.10 | | UG/L | 59.00 | 64.00 | 10.00 | X |
| MW-52 | W52M3L | 11/08/1999 | IM40MB | MOLYBDENUM | 10.50 | | UG/L | 59.00 | 64.00 | 10.00 | X |
| MW-52 | W52M2A | 04/29/1999 | IM40MB | MOLYBDENUM | 15.30 | | UG/L | 74.00 | 84.00 | 10.00 | X |
| MW-52 | W52M2L | 04/29/1999 | IM40MB | MOLYBDENUM | 18.50 | | UG/L | 74.00 | 84.00 | 10.00 | X |
| MW-52 | W52DDA | 04/02/1999 | IM40MB | MOLYBDENUM | 51.10 | | UG/L | 218.00 | 228.00 | 10.00 | X |
| MW-52 | W52DDL | 04/02/1999 | IM40MB | MOLYBDENUM | 48.90 | | UG/L | 218.00 | 228.00 | 10.00 | X |
| MW-52 | W52DDA | 08/30/1999 | IM40MB | MOLYBDENUM | 28.30 | | UG/L | 218.00 | 228.00 | 10.00 | X |

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

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



| LOCID/WELL ID | OGDEN_ID | SAMPLED | METHOD | OGDEN_ANALYTE | CONC. | FLAG | UNITS | BWTS | BWTE | DW LIMIT | >DW LIMIT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-52 | W52DDL | 08/30/1999 | IM40MB | MOLYBDENUM | 26.80 | | UG/L | 218.00 | 228.00 | 10.00 | X |
| MW-52 | W52DDA | 11/09/1999 | IM40MB | MOLYBDENUM | 22.70 | | UG/L | 218.00 | 228.00 | 10.00 | X |
| MW-52 | W52DDA | 05/22/2000 | IM40MB | MOLYBDENUM | 12.20 | | UG/L | 218.00 | 228.00 | 10.00 | X |
| MW-52 | W52DDA | 08/17/2000 | IM40MB | MOLYBDENUM | 10.10 | | UG/L | 218.00 | 228.00 | 10.00 | X |
| MW-52 | W52DDA | 05/21/2001 | IM40MB | MOLYBDENUM | 10.60 | | UG/L | 218.00 | 228.00 | 10.00 | X |
| MW-53 | W53SSA | 02/17/1999 | IM40MB | MOLYBDENUM | 24.90 | | UG/L | 0.00 | 10.00 | 10.00 | X |
| MW-53 | W53SSL | 02/17/1999 | IM40MB | MOLYBDENUM | 27.60 | | UG/L | 0.00 | 10.00 | 10.00 | X |
| MW-53 | W53M1A | 05/03/1999 | IM40MB | MOLYBDENUM | 122.00 | | UG/L | 99.00 | 109.00 | 10.00 | X |
| MW-53 | W53M1L | 05/03/1999 | IM40MB | MOLYBDENUM | 132.00 | | UG/L | 99.00 | 109.00 | 10.00 | X |
| MW-53 | W53M1A | 08/30/1999 | IM40MB | MOLYBDENUM | 55.20 | | UG/L | 99.00 | 109.00 | 10.00 | X |
| MW-53 | W53M1L | 08/30/1999 | IM40MB | MOLYBDENUM | 54.10 | | UG/L | 99.00 | 109.00 | 10.00 | X |
| MW-53 | W53M1A | 11/05/1999 | IM40MB | MOLYBDENUM | 41.20 | | UG/L | 99.00 | 109.00 | 10.00 | X |
| MW-53 | W53M1L | 11/05/1999 | IM40MB | MOLYBDENUM | 38.20 | | UG/L | 99.00 | 109.00 | 10.00 | X |
| MW-53 | W53M1A | 06/01/2000 | IM40MB | MOLYBDENUM | 10.30 | J | UG/L | 99.00 | 109.00 | 10.00 | X |
| MW-53 | W53DDA | 02/18/1999 | IM40MB | MOLYBDENUM | 15.90 | | UG/L | 158.00 | 168.00 | 10.00 | X |
| MW-53 | W53DDL | 02/18/1999 | IM40MB | MOLYBDENUM | 17.40 | | UG/L | 158.00 | 168.00 | 10.00 | X |
| MW-53 | W53DDA | 08/30/1999 | IM40MB | MOLYBDENUM | 11.50 | | UG/L | 158.00 | 168.00 | 10.00 | X |
| MW-54 | W54SSA | 04/30/1999 | IM40MB | MOLYBDENUM | 56.70 | | UG/L | 0.00 | 10.00 | 10.00 | X |
| MW-54 | W54SSL | 04/30/1999 | IM40MB | MOLYBDENUM | 66.20 | | UG/L | 0.00 | 10.00 | 10.00 | X |
| MW-54 | W54SSA | 08/27/1999 | IM40MB | MOLYBDENUM | 61.40 | | UG/L | 0.00 | 10.00 | 10.00 | X |
| MW-54 | W54SSA | 11/08/1999 | IM40MB | MOLYBDENUM | 25.50 | | UG/L | 0.00 | 10.00 | 10.00 | X |
| MW-54 | W54M2A | 05/04/1999 | IM40MB | MOLYBDENUM | 11.20 | | UG/L | 59.00 | 69.00 | 10.00 | X |
| MW-54 | W54M2L | 05/04/1999 | IM40MB | MOLYBDENUM | 13.10 | | UG/L | 59.00 | 69.00 | 10.00 | X |
| MW-54 | W54M2A | 08/27/1999 | IM40MB | MOLYBDENUM | 43.70 | | UG/L | 59.00 | 69.00 | 10.00 | X |
| MW-54 | W54M2L | 08/27/1999 | IM40MB | MOLYBDENUM | 43.20 | | UG/L | 59.00 | 69.00 | 10.00 | X |
| MW-54 | W54M2A | 11/08/1999 | IM40MB | MOLYBDENUM | 14.50 | | UG/L | 59.00 | 69.00 | 10.00 | X |
| MW-54 | W54M1A | 04/30/1999 | IM40MB | MOLYBDENUM | 11.80 | | UG/L | 79.00 | 89.00 | 10.00 | X |
| MW-54 | W54DDA | 05/05/1999 | IM40MB | MOLYBDENUM | 17.50 | | UG/L | 127.00 | 137.00 | 10.00 | X |
| MW-55 | W55SSA | 05/17/1999 | IM40MB | MOLYBDENUM | 15.90 | | UG/L | 0.00 | 10.00 | 10.00 | X |
| MW-55 | W55M2A | 05/14/1999 | IM40MB | MOLYBDENUM | 21.80 | | UG/L | 59.00 | 69.00 | 10.00 | X |
| MW-55 | W55M1A | 05/13/1999 | IM40MB | MOLYBDENUM | 12.50 | | UG/L | 89.00 | 99.00 | 10.00 | X |
| MW-55 | W55DDA | 05/13/1999 | IM40MB | MOLYBDENUM | 22.60 | | UG/L | 119.00 | 129.00 | 10.00 | X |
| MW-55 | W55DDA | 08/30/1999 | IM40MB | MOLYBDENUM | 14.20 | | UG/L | 119.00 | 129.00 | 10.00 | X |
| MW-55 | W55DDA | 11/08/1999 | IM40MB | MOLYBDENUM | 11.00 | | UG/L | 119.00 | 129.00 | 10.00 | X |
| MW-57 | W57SSA | 12/21/1999 | IM40MB | MOLYBDENUM | 15.20 | | UG/L | 0.00 | 10.00 | 10.00 | X |

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

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



| LOCID/WELL ID | OGDEN_ID | SAMPLED | METHOD | OGDEN_ANALYTE | CONC. | FLAG | UNITS | BWTS | BWTE | DW LIMIT | >DW LIMIT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-57 | W57SSD | 12/21/1999 | IM40MB | MOLYBDENUM | 16.30 | | UG/L | 0.00 | 10.00 | 10.00 | X |
| MW-57 | W57SSA | 03/22/2000 | IM40MB | MOLYBDENUM | 10.30 | J | UG/L | 0.00 | 10.00 | 10.00 | X |
| MW-57 | W57SSD | 03/22/2000 | IM40MB | MOLYBDENUM | 10.10 | J | UG/L | 0.00 | 10.00 | 10.00 | X |
| MW-57 | W57M3A | 12/13/1999 | IM40MB | MOLYBDENUM | 21.90 | | UG/L | 31.00 | 41.00 | 10.00 | X |
| MW-57 | W57M2A | 03/22/2000 | IM40MB | MOLYBDENUM | 10.80 | J | UG/L | 62.00 | 72.00 | 10.00 | X |
| MW-57 | W57DDA | 12/13/1999 | IM40MB | MOLYBDENUM | 18.60 | | UG/L | 127.00 | 137.00 | 10.00 | X |
| MW-57 | W57DDL | 12/13/1999 | IM40MB | MOLYBDENUM | 17.80 | | UG/L | 127.00 | 137.00 | 10.00 | X |
| MW-63 | W63SSA | 09/21/1999 | IM40MB | MOLYBDENUM | 12.70 | | UG/L | 0.00 | 10.00 | 10.00 | X |
| MW-63 | W63SSL | 09/21/1999 | IM40MB | MOLYBDENUM | 11.10 | | UG/L | 0.00 | 10.00 | 10.00 | X |
| MW-7 | W07M1A | 09/07/1999 | IM40MB | MOLYBDENUM | 10.20 | | UG/L | 135.00 | 140.00 | 10.00 | X |
| MW-81 | W81M1A | 10/13/1999 | IM40MB | MOLYBDENUM | 24.30 | | UG/L | 100.00 | 110.00 | 10.00 | X |
| MW-81 | W81M1L | 10/13/1999 | IM40MB | MOLYBDENUM | 22.10 | | UG/L | 100.00 | 110.00 | 10.00 | X |
| MW-81 | W81DDA | 08/17/2000 | IM40MB | MOLYBDENUM | 10.10 | | UG/L | 156.00 | 166.00 | 10.00 | X |
| MW-82 | W82DDA | 10/13/1999 | IM40MB | MOLYBDENUM | 15.40 | | UG/L | 97.00 | 107.00 | 10.00 | X |
| MW-82 | W82DDL | 10/13/1999 | IM40MB | MOLYBDENUM | 14.40 | | UG/L | 97.00 | 107.00 | 10.00 | X |
| MW-83 | W83DDA | 10/12/1999 | IM40MB | MOLYBDENUM | 13.40 | | UG/L | 109.00 | 119.00 | 10.00 | X |
| 15MW0002 | 15MW0002 | 04/08/1999 | IM40MB | SODIUM | 37,600.00 | | UG/L | 0.00 | 10.00 | 20,000.00 | X |
| 90WT0010 | 90WT0010 | 06/05/2000 | IM40MB | SODIUM | 23,600.00 | | UG/L | 2.00 | 12.00 | 20,000.00 | X |
| 90WT0010 | 90WT0010-L | 06/05/2000 | IM40MB | SODIUM | 24,200.00 | | UG/L | 2.00 | 12.00 | 20,000.00 | X |
| 90WT0015 | 90WT0015 | 04/23/1999 | IM40MB | SODIUM | 34,300.00 | | UG/L | 0.00 | 10.00 | 20,000.00 | X |
| ASPWELL | ASPWELL | 05/24/2001 | IM40MB | SODIUM | 24,900.00 | | UG/L | 0.00 | 0.00 | 20,000.00 | X |
| MW-145 | W145SSA | 02/12/2001 | IM40MB | SODIUM | 37,000.00 | | UG/L | 97.00 | 107.00 | 20,000.00 | X |
| MW-145 | W145SSA | 06/20/2001 | IM40MB | SODIUM | 73,600.00 | | UG/L | 97.00 | 107.00 | 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 | 02/23/1998 | IM40MB | SODIUM | 27,200.00 | | UG/L | 0.00 | 10.00 | 20,000.00 | X |
| MW-2 | W02SSL | 02/23/1998 | IM40MB | SODIUM | 26,300.00 | | UG/L | 0.00 | 10.00 | 20,000.00 | X |
| MW-2 | W02SSA | 02/01/1999 | IM40MB | SODIUM | 20,300.00 | | UG/L | 0.00 | 10.00 | 20,000.00 | X |
| MW-2 | W02SSL | 02/01/1999 | IM40MB | SODIUM | 20,100.00 | | UG/L | 0.00 | 10.00 | 20,000.00 | X |
| MW-2 | W02DDA | 11/19/1997 | IM40MB | SODIUM | 21,500.00 | | UG/L | 218.00 | 223.00 | 20,000.00 | X |
| MW-2 | W02DDL | 11/19/1997 | IM40MB | SODIUM | 22,600.00 | | UG/L | 218.00 | 223.00 | 20,000.00 | X |
| MW-21 | W21SSA | 10/24/1997 | IM40MB | SODIUM | 24,000.00 | | UG/L | 0.00 | 10.00 | 20,000.00 | X |
| MW-21 | W21SSL | 10/24/1997 | IM40MB | SODIUM | 24,200.00 | | UG/L | 0.00 | 10.00 | 20,000.00 | X |
| MW-21 | W21SSA | 11/15/2000 | IM40MB | SODIUM | 22,500.00 | | UG/L | 0.00 | 10.00 | 20,000.00 | X |
| MW-46 | W46SSA | 08/25/1999 | IM40MB | SODIUM | 20,600.00 | | UG/L | 0.00 | 10.00 | 20,000.00 | X |

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

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



| LOCID/WELL ID | OGDEN_ID | SAMPLED | METHOD | OGDEN_ANALYTE | CONC. | FLAG | UNITS | BWTS | BWTE | DW LIMIT | >DW LIMIT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-46 | W46SSA | 06/15/2000 | IM40MB | SODIUM | 32,200.00 | | UG/L | 0.00 | 10.00 | 20,000.00 | X |
| MW-46 | W46SSA | 09/12/2000 | IM40MB | SODIUM | 31,300.00 | | UG/L | 0.00 | 10.00 | 20,000.00 | X |
| MW-46 | W46SSA | 11/17/2000 | IM40MB | SODIUM | 22,500.00 | J | UG/L | 0.00 | 10.00 | 20,000.00 | X |
| MW-46 | W46M2A | 03/30/1999 | IM40MB | SODIUM | 23,300.00 | | UG/L | 56.00 | 66.00 | 20,000.00 | X |
| MW-46 | W46M2L | 03/30/1999 | IM40MB | SODIUM | 24,400.00 | | UG/L | 56.00 | 66.00 | 20,000.00 | X |
| MW-54 | W54SSA | 08/27/1999 | IM40MB | SODIUM | 33,300.00 | | UG/L | 0.00 | 10.00 | 20,000.00 | X |
| MW-57 | W57M2A | 12/21/1999 | IM40MB | SODIUM | 23,500.00 | | UG/L | 62.00 | 72.00 | 20,000.00 | X |
| MW-57 | W57M2A | 03/22/2000 | IM40MB | SODIUM | 24,500.00 | | UG/L | 62.00 | 72.00 | 20,000.00 | X |
| MW-57 | W57M2A | 06/30/2000 | IM40MB | SODIUM | 25,900.00 | | UG/L | 62.00 | 72.00 | 20,000.00 | X |
| MW-57 | W57M2A | 08/29/2000 | IM40MB | SODIUM | 23,200.00 | | UG/L | 62.00 | 72.00 | 20,000.00 | X |
| MW-57 | W57M1A | 12/14/1999 | IM40MB | SODIUM | 23,700.00 | | UG/L | 102.00 | 112.00 | 20,000.00 | X |
| MW-57 | W57M1A | 03/07/2000 | IM40MB | SODIUM | 20,900.00 | | UG/L | 102.00 | 112.00 | 20,000.00 | X |
| MW-57 | W57M1A | 07/05/2000 | IM40MB | SODIUM | 22,200.00 | | UG/L | 102.00 | 112.00 | 20,000.00 | X |
| MW-57 | W57M1A | 08/29/2000 | IM40MB | SODIUM | 20,100.00 | | UG/L | 102.00 | 112.00 | 20,000.00 | X |
| SDW261160 | WG160L | 01/07/1998 | IM40MB | SODIUM | 20,600.00 | | UG/L | 10.00 | 20.00 | 20,000.00 | X |
| SDW261160 | WG160A | 01/13/1999 | IM40MB | SODIUM | 27,200.00 | | UG/L | 10.00 | 20.00 | 20,000.00 | X |
| SDW261160 | WG160L | 01/13/1999 | IM40MB | SODIUM | 28,200.00 | | UG/L | 10.00 | 20.00 | 20,000.00 | X |
| 03MW0006 | 03MW0006 | 04/15/1999 | IM40MB | THALLIUM | 2.60 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| 03MW0022A | 03MW0022A | 04/16/1999 | IM40MB | THALLIUM | 3.90 | | UG/L | 71.00 | 76.00 | 2.00 | X |
| 03MW0027A | 03MW0027A | 04/14/1999 | IM40MB | THALLIUM | 2.00 | J | UG/L | 64.00 | 69.00 | 2.00 | X |
| 11MW0004 | 11MW0004 | 04/16/1999 | IM40MB | THALLIUM | 2.30 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| 27MW0020Z | 27MW0020Z | 04/16/1999 | IM40MB | THALLIUM | 2.70 | J | UG/L | 98.00 | 103.00 | 2.00 | X |
| 90MW0038 | 90MW0038 | 04/21/1999 | IM40MB | THALLIUM | 4.40 | J | UG/L | 29.00 | 34.00 | 2.00 | X |
| 90WT0010 | WF10XA | 01/16/1998 | IM40MB | THALLIUM | 6.50 | J | UG/L | 2.00 | 12.00 | 2.00 | X |
| LRWS1-4 | WL14XA | 01/07/1999 | IM40MB | THALLIUM | 5.20 | J | UG/L | 107.00 | 117.00 | 2.00 | X |
| MW-1 | W01SSA | 09/07/1999 | IM40MB | THALLIUM | 2.90 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-10 | W10DDA | 07/25/2001 | IM40MB | THALLIUM | 6.50 | J | UG/L | 204.00 | 214.00 | 2.00 | X |
| MW-127 | W127SSA | 11/15/2000 | IM40MB | THALLIUM | 2.40 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-13 | W13DDA | 07/26/2001 | IM40MB | THALLIUM | 3.40 | J | UG/L | 145.00 | 150.00 | 2.00 | X |
| MW-132 | W132SSA | 02/16/2001 | IM40MB | THALLIUM | 2.10 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-150 | W150SSA | 03/07/2001 | IM40MB | THALLIUM | 2.20 | J | UG/L | 1.00 | 11.00 | 2.00 | X |
| MW-18 | W18SSA | 03/12/1999 | IM40MB | THALLIUM | 2.30 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-19 | W19SSA | 09/10/1999 | IM40MB | THALLIUM | 3.80 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-19 | W19DDL | 02/11/1999 | IM40MB | THALLIUM | 3.10 | J | UG/L | 254.00 | 259.00 | 2.00 | X |
| MW-2 | W02DDD | 08/02/2000 | IM40MB | THALLIUM | 4.90 | J | UG/L | 218.00 | 223.00 | 2.00 | X |

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

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



| LOCID/WELL ID | OGDEN_ID | SAMPLED | METHOD | OGDEN_ANALYTE | CONC. | FLAG | UNITS | BWTS | BWTE | DW LIMIT | >DW LIMIT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-21 | W21SSA | 10/24/1997 | IM40MB | THALLIUM | 6.90 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-21 | W21M2A | 11/01/1999 | IM40MB | THALLIUM | 4.00 | J | UG/L | 58.00 | 68.00 | 2.00 | X |
| MW-23 | W23SSA | 09/14/1999 | IM40MB | THALLIUM | 4.70 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-25 | W25SSA | 09/14/1999 | IM40MB | THALLIUM | 5.30 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-3 | W03DDA | 12/20/2000 | IM40MB | THALLIUM | 3.30 | | UG/L | 219.00 | 224.00 | 2.00 | X |
| MW-35 | W35SSA | 12/18/2000 | IM40MB | THALLIUM | 2.90 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-37 | W37M2A | 12/29/1999 | IM40MB | THALLIUM | 4.90 | J | UG/L | 26.00 | 36.00 | 2.00 | X |
| MW-38 | W38M4A | 08/18/1999 | IM40MB | THALLIUM | 2.80 | J | UG/L | 14.00 | 24.00 | 2.00 | X |
| MW-38 | W38M2A | 05/11/1999 | IM40MB | THALLIUM | 4.90 | J | UG/L | 69.00 | 79.00 | 2.00 | X |
| MW-39 | W39M1A | 12/21/2000 | IM40MB | THALLIUM | 4.00 | | UG/L | 84.00 | 94.00 | 2.00 | X |
| MW-41 | W41M2A | 04/02/1999 | IM40MB | THALLIUM | 2.50 | J | UG/L | 67.00 | 77.00 | 2.00 | X |
| MW-42 | W42M2A | 11/19/1999 | IM40MB | THALLIUM | 4.00 | J | UG/L | 118.00 | 128.00 | 2.00 | X |
| MW-45 | W45SSA | 05/26/1999 | IM40MB | THALLIUM | 3.00 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-45 | W45SSA | 08/31/2000 | IM40MB | THALLIUM | 4.40 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-46 | W46M1A | 05/16/2000 | IM40MB | THALLIUM | 5.30 | J | UG/L | 103.00 | 113.00 | 2.00 | X |
| MW-46 | W46DDA | 11/02/1999 | IM40MB | THALLIUM | 5.10 | J | UG/L | 136.00 | 146.00 | 2.00 | X |
| MW-47 | W47M3A | 08/25/1999 | IM40MB | THALLIUM | 3.20 | J | UG/L | 21.00 | 31.00 | 2.00 | X |
| MW-47 | W47M3A | 05/31/2000 | IM40MB | THALLIUM | 5.00 | J | UG/L | 21.00 | 31.00 | 2.00 | X |
| MW-47 | W47M2A | 03/26/1999 | IM40MB | THALLIUM | 3.20 | J | UG/L | 38.00 | 48.00 | 2.00 | X |
| MW-47 | W47M2A | 08/25/1999 | IM40MB | THALLIUM | 4.00 | J | UG/L | 38.00 | 48.00 | 2.00 | X |
| MW-47 | W47M2A | 05/30/2000 | IM40MB | THALLIUM | 4.50 | J | UG/L | 38.00 | 48.00 | 2.00 | X |
| MW-47 | W47M1A | 08/24/1999 | IM40MB | THALLIUM | 2.60 | J | UG/L | 75.00 | 85.00 | 2.00 | X |
| MW-48 | W48M3A | 02/28/2000 | IM40MB | THALLIUM | 4.20 | J | UG/L | 31.00 | 41.00 | 2.00 | X |
| MW-48 | W48DAA | 06/26/2000 | IM40MB | THALLIUM | 4.70 | J | UG/L | 121.00 | 131.00 | 2.00 | X |
| MW-49 | W49SSA | 11/19/1999 | IM40MB | THALLIUM | 4.70 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-49 | W49M3D | 06/27/2000 | IM40MB | THALLIUM | 4.30 | J | UG/L | 31.00 | 41.00 | 2.00 | X |
| MW-50 | W50M1A | 05/15/2000 | IM40MB | THALLIUM | 6.20 | J | UG/L | 89.00 | 99.00 | 2.00 | X |
| MW-51 | W51M3A | 08/25/1999 | IM40MB | THALLIUM | 4.30 | J | UG/L | 28.00 | 38.00 | 2.00 | X |
| MW-52 | W52SSA | 08/26/1999 | IM40MB | THALLIUM | 3.60 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-52 | W52SSA | 11/18/1999 | IM40MB | THALLIUM | 4.30 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-52 | W52SSA | 05/23/2000 | IM40MB | THALLIUM | 4.70 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-52 | W52M3L | 04/07/1999 | IM40MB | THALLIUM | 3.60 | J | UG/L | 59.00 | 64.00 | 2.00 | X |
| MW-52 | W52DDA | 04/02/1999 | IM40MB | THALLIUM | 2.80 | J | UG/L | 218.00 | 228.00 | 2.00 | X |
| MW-52 | W52DDL | 04/02/1999 | IM40MB | THALLIUM | 2.60 | J | UG/L | 218.00 | 228.00 | 2.00 | X |
| MW-52 | W52DDA | 08/30/1999 | IM40MB | THALLIUM | 3.80 | J | UG/L | 218.00 | 228.00 | 2.00 | X |

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

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



| LOCID/WELL ID | OGDEN_ID | SAMPLED | METHOD | OGDEN_ANALYTE | CONC. | FLAG | UNITS | BWTS | BWTE | DW LIMIT | >DW LIMIT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-53 | W53M1A | 11/05/1999 | IM40MB | THALLIUM | 3.40 | J | UG/L | 99.00 | 109.00 | 2.00 | X |
| MW-54 | W54SSA | 11/08/1999 | IM40MB | THALLIUM | 7.40 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-54 | W54SSA | 06/06/2000 | IM40MB | THALLIUM | 4.60 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-54 | W54SSA | 11/15/2000 | IM40MB | THALLIUM | 3.10 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-54 | W54M1A | 08/30/1999 | IM40MB | THALLIUM | 2.80 | J | UG/L | 79.00 | 89.00 | 2.00 | X |
| MW-54 | W54M1A | 11/05/1999 | IM40MB | THALLIUM | 3.90 | J | UG/L | 79.00 | 89.00 | 2.00 | X |
| MW-55 | W55M1A | 08/31/1999 | IM40MB | THALLIUM | 2.50 | J | UG/L | 89.00 | 99.00 | 2.00 | X |
| MW-56 | W56SSA | 09/05/2000 | IM40MB | THALLIUM | 4.00 | J | UG/L | 1.00 | 11.00 | 2.00 | X |
| MW-56 | W56M3A | 09/05/2000 | IM40MB | THALLIUM | 6.10 | J | UG/L | 31.00 | 41.00 | 2.00 | X |
| MW-56 | W56M3D | 09/05/2000 | IM40MB | THALLIUM | 4.40 | J | UG/L | 31.00 | 41.00 | 2.00 | X |
| MW-57 | W57M2A | 03/22/2000 | IM40MB | THALLIUM | 4.10 | J | UG/L | 62.00 | 72.00 | 2.00 | X |
| MW-58 | W58SSA | 05/11/2000 | IM40MB | THALLIUM | 7.30 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-58 | W58SSA | 12/20/2000 | IM40MB | THALLIUM | 2.00 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-64 | W64M1A | 02/07/2000 | IM40MB | THALLIUM | 4.10 | J | UG/L | 38.00 | 48.00 | 2.00 | X |
| MW-7 | W07M2L | 02/05/1998 | IM40MB | THALLIUM | 6.60 | J | UG/L | 65.00 | 70.00 | 2.00 | X |
| MW-7 | W07M2A | 02/24/1999 | IM40MB | THALLIUM | 4.40 | J | UG/L | 65.00 | 70.00 | 2.00 | X |
| MW-7 | W07MMA | 02/23/1999 | IM40MB | THALLIUM | 4.10 | J | UG/L | 135.00 | 140.00 | 2.00 | X |
| MW-7 | W07M1A | 09/07/1999 | IM40MB | THALLIUM | 26.20 | | UG/L | 135.00 | 140.00 | 2.00 | X |
| MW-7 | W07M1D | 09/07/1999 | IM40MB | THALLIUM | 12.70 | | UG/L | 135.00 | 140.00 | 2.00 | X |
| MW-72 | W72SSA | 05/27/1999 | IM40MB | THALLIUM | 4.00 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-73 | W73SSA | 12/19/2000 | IM40MB | THALLIUM | 4.30 | | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-73 | W73SSD | 12/19/2000 | IM40MB | THALLIUM | 2.00 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-83 | W83SSA | 01/13/2000 | IM40MB | THALLIUM | 3.60 | J | UG/L | 0.00 | 10.00 | 2.00 | X |
| MW-84 | W84SSA | 10/21/1999 | IM40MB | THALLIUM | 3.20 | J | UG/L | 17.00 | 27.00 | 2.00 | X |
| MW-94 | W94M2A | 01/11/2001 | IM40MB | THALLIUM | 2.00 | J | UG/L | 16.00 | 26.00 | 2.00 | X |
| PPAWSMW-1 | PPAWSMW-1 | 06/22/1999 | IM40MB | THALLIUM | 3.10 | J | UG/L | 10.00 | 20.00 | 2.00 | X |
| SMR-2 | WSMR2A | 03/25/1999 | IM40MB | THALLIUM | 2.00 | J | UG/L | 19.00 | 29.00 | 2.00 | X |
| 95-14 | W9514A | 09/28/1999 | IM40MB | ZINC | 2,430.00 | | UG/L | 90.00 | 120.00 | 2,000.00 | X |
| 95-15 | W9515A | 10/17/1997 | IM40MB | ZINC | 7,210.00 | | UG/L | 80.00 | 92.00 | 2,000.00 | X |
| 95-15 | W9515L | 10/17/1997 | IM40MB | ZINC | 4,620.00 | | UG/L | 80.00 | 92.00 | 2,000.00 | X |
| LRMW0003 | WL31XA | 10/21/1997 | IM40MB | ZINC | 2,480.00 | | UG/L | 102.00 | 117.00 | 2,000.00 | X |
| LRMW0003 | 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 |

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

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



| LOCID/WELL ID | OGDEN_ID | SAMPLED | METHOD | OGDEN_ANALYTE | CONC. | FLAG | UNITS | BWTS | BWTE | DW LIMIT | >DW LIMIT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LRWS5-1 | WL51XA | 11/25/1997 | IM40MB | ZINC | 4,510.00 | | UG/L | 66.00 | 91.00 | 2,000.00 | X |
| LRWS5-1 | WL51XD | 11/25/1997 | IM40MB | ZINC | 4,390.00 | | UG/L | 66.00 | 91.00 | 2,000.00 | X |
| LRWS5-1 | WL51XL | 11/25/1997 | IM40MB | ZINC | 3,900.00 | | UG/L | 66.00 | 91.00 | 2,000.00 | X |
| LRWS5-1 | WL51XA | 01/25/1999 | IM40MB | ZINC | 3,980.00 | | UG/L | 66.00 | 91.00 | 2,000.00 | X |
| LRWS5-1 | WL51XL | 01/25/1999 | IM40MB | ZINC | 3,770.00 | | UG/L | 66.00 | 91.00 | 2,000.00 | X |
| LRWS6-1 | WL61XA | 11/17/1997 | IM40MB | ZINC | 3,480.00 | | UG/L | 184.00 | 199.00 | 2,000.00 | X |
| LRWS6-1 | WL61XL | 11/17/1997 | IM40MB | ZINC | 2,600.00 | | UG/L | 184.00 | 199.00 | 2,000.00 | X |
| LRWS6-1 | WL61XA | 01/28/1999 | IM40MB | ZINC | 2,240.00 | | UG/L | 184.00 | 199.00 | 2,000.00 | X |
| LRWS6-1 | WL61XL | 01/28/1999 | IM40MB | ZINC | 2,200.00 | | UG/L | 184.00 | 199.00 | 2,000.00 | X |
| LRWS7-1 | WL71XA | 11/21/1997 | IM40MB | ZINC | 4,320.00 | | UG/L | 186.00 | 201.00 | 2,000.00 | X |
| LRWS7-1 | WL71XL | 11/21/1997 | IM40MB | ZINC | 3,750.00 | | UG/L | 186.00 | 201.00 | 2,000.00 | X |
| LRWS7-1 | WL71XA | 01/22/1999 | IM40MB | ZINC | 4,160.00 | | UG/L | 186.00 | 201.00 | 2,000.00 | X |
| LRWS7-1 | WL71XL | 01/22/1999 | IM40MB | ZINC | 4,100.00 | | UG/L | 186.00 | 201.00 | 2,000.00 | X |
| MW-41 | W41M1A | 08/19/1999 | OC21B | 2,6-DINITROTOLUENE | 5.00 | J | UG/L | 108.00 | 118.00 | 5.00 | X |
| 03MW0122A | WS122A | 09/30/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 12.00 | | UG/L | 1.00 | 11.00 | 6.00 | X |
| 11MW0003 | WF143A | 02/25/1998 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 9.00 | | UG/L | 0.00 | 0.00 | 6.00 | X |
| 11MW0003 | WF143A | 09/30/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 24.00 | | UG/L | 0.00 | 0.00 | 6.00 | X |
| 15MW0004 | 15MW0004 | 04/09/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 6.00 | | UG/L | 0.00 | 10.00 | 6.00 | X |
| 15MW0008 | 15MW0008D | 04/12/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 25.00 | J | UG/L | 0.00 | 0.00 | 6.00 | X |
| 28MW0106 | WL28XA | 02/19/1998 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 18.00 | J | UG/L | 0.00 | 10.00 | 6.00 | X |
| 28MW0106 | WL28XA | 03/23/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 26.00 | | UG/L | 0.00 | 10.00 | 6.00 | X |
| 58MW0002 | WC2XXA | 02/26/1998 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 36.00 | | UG/L | 4.00 | 9.00 | 6.00 | X |
| 58MW0005E | WC5EXA | 09/27/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 8.00 | | UG/L | 0.00 | 10.00 | 6.00 | X |
| 58MW0006E | WC6EXA | 10/03/1997 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 59.00 | | UG/L | 0.00 | 10.00 | 6.00 | X |
| 58MW0006E | WC6EXD | 10/03/1997 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 57.00 | | UG/L | 0.00 | 10.00 | 6.00 | X |
| 58MW0006E | WC6EXA | 01/29/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 6.00 | | UG/L | 0.00 | 10.00 | 6.00 | X |
| 58MW0007C | WC7CXA | 09/28/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 13.00 | | UG/L | 24.00 | 29.00 | 6.00 | X |
| 90MW0054 | WF12XA | 10/04/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 13.00 | J | UG/L | 91.83 | 96.83 | 6.00 | X |
| 90WT0003 | WF03XA | 09/30/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 58.00 | | UG/L | 0.00 | 10.00 | 6.00 | X |
| 90WT0005 | WF05XA | 01/13/1998 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 47.00 | | UG/L | 0.00 | 10.00 | 6.00 | X |
| 90WT0013 | WF13XA | 01/16/1998 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 34.00 | | UG/L | 0.00 | 10.00 | 6.00 | X |
| 90WT0013 | WF13XA | 01/14/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 16.00 | | UG/L | 0.00 | 10.00 | 6.00 | X |
| 95-14 | W9514A | 09/28/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 22.00 | | UG/L | 90.00 | 120.00 | 6.00 | X |
| 97-1 | W9701A | 11/19/1997 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 54.00 | J | UG/L | 62.00 | 72.00 | 6.00 | X |
| 97-1 | W9701D | 11/19/1997 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 28.00 | J | UG/L | 62.00 | 72.00 | 6.00 | X |

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

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



| LOCID/WELL ID | OGDEN_ID | SAMPLED | METHOD | OGDEN_ANALYTE | CONC. | FLAG | UNITS | BWTS | BWTE | DW LIMIT | >DW LIMIT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 97-2 | W9702A | 11/20/1997 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 7.00 | | UG/L | 53.00 | 63.00 | 6.00 | X |
| 97-3 | W9703A | 11/21/1997 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 73.00 | J | UG/L | 36.00 | 46.00 | 6.00 | X |
| 97-5 | W9705A | 11/20/1997 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 15.00 | | UG/L | 76.00 | 86.00 | 6.00 | X |
| BHW215083 | WG083A | 11/26/1997 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 13.00 | | UG/L | 16.95 | 26.95 | 6.00 | X |
| LRWS1-4 | WL14XA | 10/06/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 78.00 | J | UG/L | 107.00 | 117.00 | 6.00 | X |
| LRWS2-3 | WL23XA | 11/21/1997 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 20.00 | J | UG/L | 68.00 | 83.00 | 6.00 | X |
| LRWS2-6 | WL26XA | 10/20/1997 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 21.00 | | UG/L | 75.00 | 90.00 | 6.00 | X |
| LRWS2-6 | WL26XA | 10/04/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 9.00 | J | UG/L | 75.00 | 90.00 | 6.00 | X |
| LRWS4-1 | WL41XA | 11/24/1997 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 100.00 | | UG/L | 66.00 | 91.00 | 6.00 | X |
| LRWS5-1 | WL51XA | 11/25/1997 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 7.00 | | UG/L | 66.00 | 91.00 | 6.00 | X |
| MW-10 | W10SSA | 09/16/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 39.00 | | UG/L | 0.00 | 10.00 | 6.00 | X |
| MW-11 | W11SSA | 11/06/1997 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 33.00 | J | UG/L | 0.00 | 10.00 | 6.00 | X |
| MW-11 | W11SSD | 11/06/1997 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 23.00 | J | UG/L | 0.00 | 10.00 | 6.00 | X |
| MW-12 | W12SSA | 11/06/1997 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 28.00 | | UG/L | 0.00 | 10.00 | 6.00 | X |
| MW-14 | W14SSA | 11/04/1997 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 14.00 | | UG/L | 0.00 | 10.00 | 6.00 | X |
| MW-16 | W16SSA | 11/17/1997 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 28.00 | | UG/L | 0.00 | 10.00 | 6.00 | X |
| MW-16 | W16DDA | 11/17/1997 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 43.00 | | UG/L | 223.00 | 228.00 | 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 | 196.00 | 206.00 | 6.00 | X |
| MW-18 | W18SSA | 10/10/1997 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 36.00 | | UG/L | 0.00 | 10.00 | 6.00 | X |
| MW-18 | W18DDA | 09/10/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 11.00 | | UG/L | 222.00 | 232.00 | 6.00 | X |
| MW-19 | W19DDA | 03/04/1998 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 7.00 | | UG/L | 254.00 | 259.00 | 6.00 | X |
| MW-2 | W02M2A | 01/20/1998 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 24.00 | | UG/L | 33.00 | 38.00 | 6.00 | X |
| MW-2 | W02M1A | 01/21/1998 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 10.00 | J | UG/L | 75.00 | 80.00 | 6.00 | X |
| MW-2 | W02DDA | 02/02/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 9.00 | | UG/L | 218.00 | 223.00 | 6.00 | X |
| MW-20 | W20SSA | 11/07/1997 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 280.00 | | UG/L | 0.00 | 10.00 | 6.00 | X |
| MW-21 | W21M2A | 04/01/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 8.00 | | UG/L | 58.00 | 68.00 | 6.00 | X |
| MW-22 | W22SSA | 11/24/1997 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 96.00 | | UG/L | 0.00 | 10.00 | 6.00 | X |
| MW-22 | W22SSA | 09/20/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 18.00 | | UG/L | 0.00 | 10.00 | 6.00 | X |
| MW-23 | W23SSA | 10/27/1997 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 24.00 | | UG/L | 0.00 | 10.00 | 6.00 | X |
| MW-23 | W23M3A | 11/13/1997 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 10.00 | | UG/L | 34.00 | 39.00 | 6.00 | X |
| MW-23 | W23M3D | 11/13/1997 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 13.00 | | UG/L | 34.00 | 39.00 | 6.00 | X |
| MW-24 | W24SSA | 11/14/1997 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 8.00 | | UG/L | 0.00 | 10.00 | 6.00 | X |
| MW-27 | W27SSA | 09/17/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 9.00 | | UG/L | 0.00 | 10.00 | 6.00 | X |
| MW-28 | W28SSA | 11/03/1997 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 11.00 | | UG/L | 0.00 | 10.00 | 6.00 | X |

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

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



| LOCID/WELL ID | OGDEN_ID | SAMPLED | METHOD | OGDEN_ANALYTE | CONC. | FLAG | UNITS | BWTS | BWTE | DW LIMIT | >DW LIMIT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-28 | W28SSA | 09/17/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 150.00 | J | UG/L | 0.00 | 10.00 | 6.00 | X |
| MW-29 | W29SSA | 11/03/1997 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 16.00 | | UG/L | 0.00 | 10.00 | 6.00 | X |
| MW-29 | W29SSA | 09/17/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 20.00 | | UG/L | 0.00 | 10.00 | 6.00 | X |
| MW-36 | W36M2A | 08/17/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 8.00 | | UG/L | 54.00 | 64.00 | 6.00 | X |
| MW-38 | W38M3A | 05/06/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 15.00 | | UG/L | 52.00 | 62.00 | 6.00 | X |
| MW-4 | W04SSA | 11/04/1997 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 30.00 | | UG/L | 0.00 | 10.00 | 6.00 | X |
| MW-41 | W41M2A | 11/12/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 7.00 | | UG/L | 67.00 | 77.00 | 6.00 | X |
| MW-43 | W43M1A | 05/26/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 6.00 | | UG/L | 90.00 | 100.00 | 6.00 | X |
| MW-44 | W44M1A | 09/20/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 14.00 | | UG/L | 53.00 | 63.00 | 6.00 | X |
| MW-45 | W45M1A | 05/24/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 37.00 | | UG/L | 98.00 | 108.00 | 6.00 | X |
| MW-46 | W46M1A | 11/01/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 6.00 | J | UG/L | 103.00 | 113.00 | 6.00 | X |
| MW-46 | W46DDA | 11/02/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 14.00 | J | UG/L | 136.00 | 146.00 | 6.00 | X |
| MW-47 | W47M1A | 08/24/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 14.00 | | UG/L | 75.00 | 85.00 | 6.00 | X |
| MW-47 | W47DDA | 08/24/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 16.00 | | UG/L | 100.00 | 110.00 | 6.00 | X |
| MW-49 | W49SSA | 03/01/2000 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 290.00 | | UG/L | 0.00 | 10.00 | 6.00 | X |
| MW-5 | W05DDA | 02/13/1998 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 9.00 | J | UG/L | 223.00 | 228.00 | 6.00 | X |
| MW-52 | W52M3A | 08/27/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 7.00 | J | UG/L | 59.00 | 64.00 | 6.00 | X |
| MW-53 | W53M1A | 08/30/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 31.00 | | UG/L | 99.00 | 109.00 | 6.00 | X |
| MW-53 | W53DDA | 02/18/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 18.00 | | UG/L | 158.00 | 168.00 | 6.00 | X |
| MW-55 | W55DDA | 05/13/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 8.00 | | UG/L | 119.00 | 129.00 | 6.00 | X |
| MW-57 | W57SSA | 12/21/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 3,300.00 | J | UG/L | 0.00 | 10.00 | 6.00 | X |
| MW-57 | W57M2A | 06/30/2000 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 7.00 | | UG/L | 62.00 | 72.00 | 6.00 | X |
| MW-57 | W57DDA | 12/13/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 95.00 | | UG/L | 127.00 | 137.00 | 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 | 129.00 | 139.00 | 6.00 | X |
| MW-84 | W84DDA | 03/03/2000 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 30.00 | | UG/L | 153.00 | 163.00 | 6.00 | X |
| RW-1 | WRW1XA | 02/18/1998 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 59.00 | | UG/L | 0.00 | 9.00 | 6.00 | X |
| RW-1 | WRW1XD | 10/06/1999 | OC21B | BIS(2-ETHYLHEXYL) PHTHAL | 11.00 | J | UG/L | 0.00 | 9.00 | 6.00 | X |
| 90MW0003 | WF03MA | 10/07/1999 | OC21B | NAPHTHALENE | 33.00 | | UG/L | 52.11 | 57.11 | 20.00 | X |
| MW-45 | W45SSA | 05/26/1999 | OC21B | NAPHTHALENE | 24.00 | | UG/L | 0.00 | 10.00 | 20.00 | X |
| MW-45 | W45SSA | 11/16/1999 | OC21B | NAPHTHALENE | 27.00 | | UG/L | 0.00 | 10.00 | 20.00 | X |
| 90MW0003 | WF03MA | 10/07/1999 | OC21V | 1,2-DICHLOROETHANE | 5.00 | | UG/L | 52.11 | 57.11 | 5.00 | X |
| 03MW0007A | 03MW0007A | 04/13/1999 | OC21V | TETRACHLOROETHYLENE(P | 6.00 | | UG/L | 21.00 | 26.00 | 5.00 | X |
| 03MW0014A | 03MW0014A | 04/13/1999 | OC21V | TETRACHLOROETHYLENE(P | 8.00 | | UG/L | 38.00 | 43.00 | 5.00 | X |
| 03MW0020 | 03MW0020 | 04/14/1999 | OC21V | TETRACHLOROETHYLENE(P | 12.00 | | UG/L | 36.00 | 41.00 | 5.00 | X |

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

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



| LOCID/WELL ID | OGDEN_ID | SAMPLED | METHOD | OGDEN_ANALYTE | CONC. | FLAG | UNITS | BWTS | BWTE | DW LIMIT | >DW LIMIT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-45 | W45SSA | 11/16/1999 | OC21V | TOLUENE | 1,000.00 | | UG/L | 0.00 | 10.00 | 1,000.00 | X |
| MW-45 | W45SSA | 05/29/2000 | OC21V | TOLUENE | 1,100.00 | | UG/L | 0.00 | 10.00 | 1,000.00 | X |
| MW-45 | W45SSA | 12/27/2000 | OC21V | TOLUENE | 1,300.00 | | UG/L | 0.00 | 10.00 | 1,000.00 | X |
| 27MW0017B | 27MW0017B | 04/30/1999 | OC21V | VINYL CHLORIDE | 2.00 | | UG/L | 21.00 | 26.00 | 2.00 | X |
| PPAWSMW-1 | PPAWSMW-1 | 06/22/1999 | OL21P | DIELDRIN | 3.00 | | UG/L | 10.00 | 20.00 | 0.50 | X |
| MW-142 | W142M1A | 01/29/2001 | SW8270 | BIS(2-ETHYLHEXYL) PHTHAL | 20.00 | | UG/L | 100.00 | 110.00 | 6.00 | X |
| MW-142 | W142M2A | 01/29/2001 | SW8270 | BIS(2-ETHYLHEXYL) PHTHAL | 11.00 | | UG/L | 100.00 | 110.00 | 6.00 | X |
| MW-146 | W146M1A | 02/23/2001 | SW8270 | BIS(2-ETHYLHEXYL) PHTHAL | 8.40 | | UG/L | 75.00 | 80.00 | 6.00 | X |
| MW-157 | W157DDA | 05/03/2001 | SW8270 | BIS(2-ETHYLHEXYL) PHTHAL | 8.10 | | UG/L | 199.00 | 209.00 | 6.00 | X |
| MW-168 | W168M2A | 06/05/2001 | SW8270 | BIS(2-ETHYLHEXYL) PHTHAL | 9.00 | | UG/L | 116.00 | 126.00 | 6.00 | X |
| MW-168 | W168M1A | 06/04/2001 | SW8270 | BIS(2-ETHYLHEXYL) PHTHAL | 6.70 | | UG/L | 174.00 | 184.00 | 6.00 | X |
| MW-28 | W28M1A | 01/12/2001 | SW8270 | BIS(2-ETHYLHEXYL) PHTHAL | 9.70 | | UG/L | 173.00 | 183.00 | 6.00 | X |

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

TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 9/16/01-10/31/01



| OGDEN_ID | LOCID OR WELL ID | SAMPLED | SAMP_TYPE | SBD | SED | BWTS | BWTE | METHOD | OGDEN_ANALYTE | PDA |
|---|---|---|---|---|---|---|---|---|---|---|
| HDA10160101AA | A10160101 | 10/19/2001 | CRATER GRAB | 0.00 | 0.25 | | | 8330N | 2,4,6-TRINITROTOLUENE | YES |
| HDJ1300038SS5 | J1300038S | 09/26/2001 | CRATER GRID | 0.00 | 0.25 | | | 8330N | TETRYL | NO* |
| 27MW0017A | 27MW0017 | 10/01/2001 | GROUNDWATER | 134.00 | L39.00 | 49.70 | 54.70 | 8330N | 1,3-DINITROBENZENE | NO |
| 27MW0017A | 27MW0017 | 10/01/2001 | GROUNDWATER | 134.00 | L39.00 | 49.70 | 54.70 | 8330N | NITROGLYCERIN | NO |
| 58MW0011D | 58MW0011 | 09/26/2001 | GROUNDWATER | 175.40 | L80.40 | 49.50 | 54.50 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1,3, | YES |
| 90MW0034 | 90MW0034 | 10/08/2001 | GROUNDWATER | 94.00 | 99.00 | 28.57 | 33.57 | 8330N | NITROGLYCERIN | NO |
| 90MW0054 | 90MW0054 | 09/25/2001 | GROUNDWATER | 107.00 | L12.00 | 91.10 | 96.10 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1,3, | YES |
| 90WT0013 | 90WT0013 | 09/25/2001 | GROUNDWATER | 92.00 | L02.00 | 0.00 | 10.00 | 8330N | NITROGLYCERIN | NO |
| 90WT0019 | 90WT0019 | 09/26/2001 | GROUNDWATER | 96.00 | L06.00 | 0.00 | 10.00 | 8330N | 1,3,5-TRINITROBENZENE | NO |
| 90WT0019 | 90WT0019 | 09/26/2001 | GROUNDWATER | 96.00 | L06.00 | 0.00 | 10.00 | 8330N | 1,3-DINITROBENZENE | NO |
| 90WT0019 | 90WT0019 | 09/26/2001 | GROUNDWATER | 96.00 | L06.00 | 0.00 | 10.00 | 8330N | 2,6-DINITROTOLUENE | YES* |
| W105M1A | MW-105 | 10/22/2001 | GROUNDWATER | 205.00 | 215.00 | 78.00 | 88.00 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1,3, | YES |
| W105M2A | MW-105 | 10/22/2001 | GROUNDWATER | 165.00 | L75.00 | 38.00 | 48.00 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1,3, | YES |
| W107M2A | MW-107 | 10/22/2001 | GROUNDWATER | 125.00 | L35.00 | 5.00 | 15.00 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1,3, | YES |
| W107M2A | MW-107 | 10/22/2001 | GROUNDWATER | 125.00 | L35.00 | 5.00 | 15.00 | 8330N | OCTAHYDRO-1,3,5,7-TETRANITR | YES |
| W135M2A | MW-135 | 10/04/2001 | GROUNDWATER | 280.00 | 290.00 | 91.60 | 101.60 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1,3, | YES |
| W143M1A | MW-143 | 10/17/2001 | GROUNDWATER | 144.00 | L54.00 | 114.00 | 124.00 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1,3, | YES |
| W143M1D | MW-143 | 10/17/2001 | GROUNDWATER | 144.00 | L54.00 | 114.00 | 124.00 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1,3, | YES |
| W143M2A | MW-143 | 10/17/2001 | GROUNDWATER | 117.00 | L22.00 | 87.00 | 92.00 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1,3, | YES |
| W143M2A | MW-143 | 10/17/2001 | GROUNDWATER | 117.00 | L22.00 | 87.00 | 92.00 | 8330N | OCTAHYDRO-1,3,5,7-TETRANITR | YES |
| W143M3A | MW-143 | 10/17/2001 | GROUNDWATER | 107.00 | L12.00 | 77.00 | 82.00 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1,3, | YES |
| W144SSA | MW-144 | 10/17/2001 | GROUNDWATER | 26.00 | 36.00 | 5.00 | 15.00 | 8330N | OCTAHYDRO-1,3,5,7-TETRANITR | YES |
| W157M2A | MW-157 | 10/10/2001 | GROUNDWATER | 110.00 | L20.00 | 100.00 | 110.00 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1,3, | YES |
| W157M2D | MW-157 | 10/10/2001 | GROUNDWATER | 110.00 | L20.00 | 100.00 | 110.00 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1,3, | YES |
| W161SSA | MW-161 | 10/08/2001 | GROUNDWATER | 145.00 | L55.00 | 0.00 | 10.00 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1,3, | YES |
| W166M1A | MW-166 | 10/04/2001 | GROUNDWATER | 218.00 | 223.00 | 112.00 | 117.00 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1,3, | YES |
| W166M2A | MW-166 | 10/04/2001 | GROUNDWATER | 150.00 | L60.00 | 44.00 | 54.00 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1,3, | YES |
| W166M2A | MW-166 | 10/04/2001 | GROUNDWATER | 150.00 | L60.00 | 44.00 | 54.00 | 8330N | OCTAHYDRO-1,3,5,7-TETRANITR | YES |
| W166M3A | MW-166 | 10/04/2001 | GROUNDWATER | 125.00 | L35.00 | 19.00 | 29.00 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1,3, | YES |
| W166M3A | MW-166 | 10/04/2001 | GROUNDWATER | 125.00 | L35.00 | 19.00 | 29.00 | 8330N | OCTAHYDRO-1,3,5,7-TETRANITR | YES |
| W85M1A | MW-85 | 09/26/2001 | GROUNDWATER | 137.50 | L47.50 | 19.00 | 29.00 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1,3, | YES |

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

TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 9/16/01-10/31/01



| OGDEN_ID | LOCID OR WELL ID | SAMPLED | SAMP_TYPE | SBD | SED | BWTS | BWTE | METHOD | OGDEN_ANALYTE | PDA |
|---|---|---|---|---|---|---|---|---|---|---|
| W85M1A | MW-85 | 09/26/2001 | GROUNDWATER | 137.50 | 147.50 | 19.00 | 29.00 | 8330N | OCTAHYDRO-1,3,5,7-TETRANITR | YES |
| W86M2A | MW-86 | 09/27/2001 | GROUNDWATER | 158.00 | 168.00 | 12.20 | 22.20 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1,3, | YES |
| W86SSA | MW-86 | 09/27/2001 | GROUNDWATER | 143.00 | 153.00 | 0.00 | 10.00 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1,3, | YES |
| W87M1A | MW-87 | 09/27/2001 | GROUNDWATER | 194.00 | 204.00 | 119.60 | 129.60 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1,3, | YES |
| W87M1A | MW-87 | 09/27/2001 | GROUNDWATER | 194.00 | 204.00 | 119.60 | 129.60 | 8330N | OCTAHYDRO-1,3,5,7-TETRANITR | YES |
| W88M2A | MW-88 | 09/28/2001 | GROUNDWATER | 213.00 | 223.00 | 72.00 | 82.00 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1,3, | YES |
| W88M2A | MW-88 | 09/28/2001 | GROUNDWATER | 213.00 | 223.00 | 72.00 | 82.00 | 8330N | OCTAHYDRO-1,3,5,7-TETRANITR | YES |
| W89M1A | MW-89 | 09/28/2001 | GROUNDWATER | 234.00 | 244.00 | 92.00 | 102.00 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1,3, | YES |
| W89M2A | MW-89 | 10/03/2001 | GROUNDWATER | 214.00 | 224.00 | 69.10 | 79.10 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1,3, | YES |
| W89M2A | MW-89 | 10/03/2001 | GROUNDWATER | 214.00 | 224.00 | 69.10 | 79.10 | 8330N | OCTAHYDRO-1,3,5,7-TETRANITR | YES |
| W89M2D | MW-89 | 10/03/2001 | GROUNDWATER | 214.00 | 224.00 | 69.10 | 79.10 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1,3, | YES |
| W89M2D | MW-89 | 10/03/2001 | GROUNDWATER | 214.00 | 224.00 | 69.10 | 79.10 | 8330N | OCTAHYDRO-1,3,5,7-TETRANITR | YES |
| W90SSA | MW-90 | 10/09/2001 | GROUNDWATER | 118.00 | 128.00 | 0.00 | 10.00 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1,3, | YES |
| W91M1A | MW-91 | 10/03/2001 | GROUNDWATER | 170.00 | 180.00 | 45.00 | 55.00 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1,3, | YES |
| W91M1A | MW-91 | 10/03/2001 | GROUNDWATER | 170.00 | 180.00 | 45.00 | 55.00 | 8330N | OCTAHYDRO-1,3,5,7-TETRANITR | YES |
| W91SSA | MW-91 | 10/09/2001 | GROUNDWATER | 124.00 | 134.00 | 0.00 | 10.00 | 8330N | 2-AMINO-4,6-DINITROTOLUENE | YES |
| W91SSA | MW-91 | 10/09/2001 | GROUNDWATER | 124.00 | 134.00 | 0.00 | 10.00 | 8330N | 4-AMINO-2,6-DINITROTOLUENE | YES |
| W91SSA | MW-91 | 10/09/2001 | GROUNDWATER | 124.00 | 134.00 | 0.00 | 10.00 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1,3, | YES |
| W91SSA | MW-91 | 10/09/2001 | GROUNDWATER | 124.00 | 134.00 | 0.00 | 10.00 | 8330N | OCTAHYDRO-1,3,5,7-TETRANITR | YES |
| W93M1A | MW-93 | 10/03/2001 | GROUNDWATER | 185.00 | 195.00 | 56.00 | 66.00 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1,3, | YES |
| W93M2A | MW-93 | 10/03/2001 | GROUNDWATER | 145.00 | 155.00 | 14.70 | 24.70 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1,3, | YES |
| W93M2A | MW-93 | 10/03/2001 | GROUNDWATER | 145.00 | 155.00 | 14.70 | 24.70 | 8330N | OCTAHYDRO-1,3,5,7-TETRANITR | YES |
| W95M1A | MW-95 | 10/01/2001 | GROUNDWATER | 202.00 | 212.00 | 75.10 | 85.10 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1,3, | YES |
| W95M2A | MW-95 | 10/01/2001 | GROUNDWATER | 167.00 | 177.00 | 40.00 | 50.00 | 8330N | HEXAHYDRO-1,3,5-TRINITRO-1,3, | YES |
| G184DMA | MW-184 | 09/27/2001 | PROFILE | 270.00 | 270.00 | 144.50 | 144.50 | 8330N | NITROGLYCERIN | NO |
| G184SAA | MW-184 | 10/03/2001 | PROFILE | 135.00 | 135.00 | 9.50 | 9.50 | 8330N | 2-AMINO-4,6-DINITROTOLUENE | YES+ |
| G184SAA | MW-184 | 10/03/2001 | PROFILE | 135.00 | 135.00 | 9.50 | 9.50 | 8330N | NITROGLYCERIN | NO |
| G184SAA | MW-184 | 10/03/2001 | PROFILE | 135.00 | 135.00 | 9.50 | 9.50 | 8330N | PICRIC ACID | NO |
| G184SBA | MW-184 | 10/03/2001 | PROFILE | 145.00 | 145.00 | 19.50 | 19.50 | 8330N | NITROGLYCERIN | NO |
| G184SBA | MW-184 | 10/03/2001 | PROFILE | 145.00 | 145.00 | 19.50 | 19.50 | 8330N | PICRIC ACID | NO |
| G185DAA | MW-185 | 10/10/2001 | PROFILE | 142.00 | 142.00 | 10.00 | 10.00 | 8330N | 2,4-DINITROTOLUENE | NO |

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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
* = Interference in sample

TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 9/16/01-10/31/01



| OGDEN_ID | LOCID OR WELL ID | SAMPLED | SAMP_TYPE | SBD | SED | BWTS | BWTE | METHOD | OGDEN_ANALYTE | PDA |
|---|---|---|---|---|---|---|---|---|---|---|
| G185DAA | MW-185 | 10/10/2001 | PROFILE | 142.00 | 142.00 | 10.00 | 10.00 | 8330N | NITROGLYCERIN | NO |
| G185DAA | MW-185 | 10/10/2001 | PROFILE | 142.00 | 142.00 | 10.00 | 10.00 | 8330N | PICRIC ACID | NO |
| G185DBA | MW-185 | 10/10/2001 | PROFILE | 150.00 | 150.00 | 18.00 | 18.00 | 8330N | 2,4-DIAMINO-6-NITROTOLUENE | NO |
| G185DBA | MW-185 | 10/10/2001 | PROFILE | 150.00 | 150.00 | 18.00 | 18.00 | 8330N | 2,4-DINITROTOLUENE | NO |
| G185DBA | MW-185 | 10/10/2001 | PROFILE | 150.00 | 150.00 | 18.00 | 18.00 | 8330N | NITROGLYCERIN | NO |
| G185DCA | MW-185 | 10/10/2001 | PROFILE | 160.00 | 160.00 | 28.00 | 28.00 | 8330N | 2,4-DIAMINO-6-NITROTOLUENE | NO |
| G185DCA | MW-185 | 10/10/2001 | PROFILE | 160.00 | 160.00 | 28.00 | 28.00 | 8330N | 2,4-DINITROTOLUENE | NO |
| G185DCA | MW-185 | 10/10/2001 | PROFILE | 160.00 | 160.00 | 28.00 | 28.00 | 8330N | NITROGLYCERIN | NO |
| G185DDA | MW-185 | 10/10/2001 | PROFILE | 170.00 | 170.00 | 38.00 | 38.00 | 8330N | 2,4-DIAMINO-6-NITROTOLUENE | NO |
| G185DDA | MW-185 | 10/10/2001 | PROFILE | 170.00 | 170.00 | 38.00 | 38.00 | 8330N | 2,4-DINITROTOLUENE | NO |
| G185DDA | MW-185 | 10/10/2001 | PROFILE | 170.00 | 170.00 | 38.00 | 38.00 | 8330N | NITROGLYCERIN | NO |
| G185DDD | MW-185 | 10/10/2001 | PROFILE | 170.00 | 170.00 | 38.00 | 38.00 | 8330N | 1,3,5-TRINITROBENZENE | NO |
| G185DDD | MW-185 | 10/10/2001 | PROFILE | 170.00 | 170.00 | 38.00 | 38.00 | 8330N | 1,3-DINITROBENZENE | NO |
| G185DDD | MW-185 | 10/10/2001 | PROFILE | 170.00 | 170.00 | 38.00 | 38.00 | 8330N | 2,4-DIAMINO-6-NITROTOLUENE | NO |
| G185DDD | MW-185 | 10/10/2001 | PROFILE | 170.00 | 170.00 | 38.00 | 38.00 | 8330N | 2,4-DINITROTOLUENE | NO |
| G185DDD | MW-185 | 10/10/2001 | PROFILE | 170.00 | 170.00 | 38.00 | 38.00 | 8330N | NITROGLYCERIN | NO |
| G185DEA | MW-185 | 10/10/2001 | PROFILE | 180.00 | 180.00 | 48.00 | 48.00 | 8330N | 2,4-DIAMINO-6-NITROTOLUENE | YES |
| G185DEA | MW-185 | 10/10/2001 | PROFILE | 180.00 | 180.00 | 48.00 | 48.00 | 8330N | NITROGLYCERIN | NO |
| G185DFA | MW-185 | 10/10/2001 | PROFILE | 190.00 | 190.00 | 58.00 | 58.00 | 8330N | 1,3,5-TRINITROBENZENE | NO |
| G185DFA | MW-185 | 10/10/2001 | PROFILE | 190.00 | 190.00 | 58.00 | 58.00 | 8330N | 1,3-DINITROBENZENE | NO |
| G185DFA | MW-185 | 10/10/2001 | PROFILE | 190.00 | 190.00 | 58.00 | 58.00 | 8330N | 2,4-DIAMINO-6-NITROTOLUENE | YES |
| G185DFA | MW-185 | 10/10/2001 | PROFILE | 190.00 | 190.00 | 58.00 | 58.00 | 8330N | 2,4-DINITROTOLUENE | NO |
| G185DGA | MW-185 | 10/10/2001 | PROFILE | 200.00 | 200.00 | 68.00 | 68.00 | 8330N | 1,3-DINITROBENZENE | NO |
| G185DGA | MW-185 | 10/10/2001 | PROFILE | 200.00 | 200.00 | 68.00 | 68.00 | 8330N | 2,4-DIAMINO-6-NITROTOLUENE | YES |
| G185DGA | MW-185 | 10/10/2001 | PROFILE | 200.00 | 200.00 | 68.00 | 68.00 | 8330N | 2,4-DINITROTOLUENE | NO |
| G185DHA | MW-185 | 10/10/2001 | PROFILE | 210.00 | 210.00 | 78.00 | 78.00 | 8330N | 1,3,5-TRINITROBENZENE | NO |
| G185DHA | MW-185 | 10/10/2001 | PROFILE | 210.00 | 210.00 | 78.00 | 78.00 | 8330N | 1,3-DINITROBENZENE | NO |
| G185DHA | MW-185 | 10/10/2001 | PROFILE | 210.00 | 210.00 | 78.00 | 78.00 | 8330N | 2,4-DIAMINO-6-NITROTOLUENE | YES |
| G185DHA | MW-185 | 10/10/2001 | PROFILE | 210.00 | 210.00 | 78.00 | 78.00 | 8330N | 2,4-DINITROTOLUENE | NO |
| G185DHA | MW-185 | 10/10/2001 | PROFILE | 210.00 | 210.00 | 78.00 | 78.00 | 8330N | NITROGLYCERIN | NO |
| G185DIA | MW-185 | 10/11/2001 | PROFILE | 220.00 | 220.00 | 88.00 | 88.00 | 8330N | 1,3,5-TRINITROBENZENE | NO |

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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
* = Interference in sample

TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 9/16/01-10/31/01



| OGDEN_ID | LOCID OR WELL ID | SAMPLED | SAMP_TYPE | SBD | SED | BWTS | BWTE | METHOD | OGDEN_ANALYTE | PDA |
|---|---|---|---|---|---|---|---|---|---|---|
| G185DIA | MW-185 | 10/11/2001 | PROFILE | 220.00 | 220.00 | 88.00 | 88.00 | 8330N | 1,3-DINITROBENZENE | NO |
| G185DIA | MW-185 | 10/11/2001 | PROFILE | 220.00 | 220.00 | 88.00 | 88.00 | 8330N | 2,4-DIAMINO-6-NITROTOLUENE | YES |
| G185DIA | MW-185 | 10/11/2001 | PROFILE | 220.00 | 220.00 | 88.00 | 88.00 | 8330N | 2,4-DINITROTOLUENE | NO |
| G185DIA | MW-185 | 10/11/2001 | PROFILE | 220.00 | 220.00 | 88.00 | 88.00 | 8330N | 2-NITROTOLUENE | NO |
| G185DIA | MW-185 | 10/11/2001 | PROFILE | 220.00 | 220.00 | 88.00 | 88.00 | 8330N | 3-NITROTOLUENE | NO |
| G185DIA | MW-185 | 10/11/2001 | PROFILE | 220.00 | 220.00 | 88.00 | 88.00 | 8330N | 4-NITROTOLUENE | NO |
| G185DIA | MW-185 | 10/11/2001 | PROFILE | 220.00 | 220.00 | 88.00 | 88.00 | 8330N | NITROGLYCERIN | NO |
| G185DIA | MW-185 | 10/11/2001 | PROFILE | 220.00 | 220.00 | 88.00 | 88.00 | 8330N | PICRIC ACID | NO |
| G185DJA | MW-185 | 10/11/2001 | PROFILE | 230.00 | 230.00 | 98.00 | 98.00 | 8330N | 1,3,5-TRINITROBENZENE | NO |
| G185DJA | MW-185 | 10/11/2001 | PROFILE | 230.00 | 230.00 | 98.00 | 98.00 | 8330N | 1,3-DINITROBENZENE | NO |
| G185DJA | MW-185 | 10/11/2001 | PROFILE | 230.00 | 230.00 | 98.00 | 98.00 | 8330N | 2,4-DIAMINO-6-NITROTOLUENE | YES |
| G185DJA | MW-185 | 10/11/2001 | PROFILE | 230.00 | 230.00 | 98.00 | 98.00 | 8330N | 2,4-DINITROTOLUENE | NO |
| G185DJA | MW-185 | 10/11/2001 | PROFILE | 230.00 | 230.00 | 98.00 | 98.00 | 8330N | NITROGLYCERIN | NO |
| G185DJA | MW-185 | 10/11/2001 | PROFILE | 230.00 | 230.00 | 98.00 | 98.00 | 8330N | PICRIC ACID | NO |
| G185DKA | MW-185 | 10/11/2001 | PROFILE | 240.00 | 240.00 | 108.00 | 108.00 | 8330N | 2,4-DINITROTOLUENE | NO |
| G185DKA | MW-185 | 10/11/2001 | PROFILE | 240.00 | 240.00 | 108.00 | 108.00 | 8330N | NITROGLYCERIN | NO |
| G185DKA | MW-185 | 10/11/2001 | PROFILE | 240.00 | 240.00 | 108.00 | 108.00 | 8330N | PICRIC ACID | NO |
| G185DLA | MW-185 | 10/12/2001 | PROFILE | 250.00 | 250.00 | 118.00 | 118.00 | 8330N | 1,3,5-TRINITROBENZENE | NO |
| G185DLA | MW-185 | 10/12/2001 | PROFILE | 250.00 | 250.00 | 118.00 | 118.00 | 8330N | 1,3-DINITROBENZENE | NO |
| G185DLA | MW-185 | 10/12/2001 | PROFILE | 250.00 | 250.00 | 118.00 | 118.00 | 8330N | 2,4-DIAMINO-6-NITROTOLUENE | YES |
| G185DLA | MW-185 | 10/12/2001 | PROFILE | 250.00 | 250.00 | 118.00 | 118.00 | 8330N | 2,4-DINITROTOLUENE | NO |
| G185DLA | MW-185 | 10/12/2001 | PROFILE | 250.00 | 250.00 | 118.00 | 118.00 | 8330N | 2-NITROTOLUENE | NO |
| G185DLA | MW-185 | 10/12/2001 | PROFILE | 250.00 | 250.00 | 118.00 | 118.00 | 8330N | 3-NITROTOLUENE | NO |
| G185DLA | MW-185 | 10/12/2001 | PROFILE | 250.00 | 250.00 | 118.00 | 118.00 | 8330N | 4-NITROTOLUENE | NO |
| G185DLA | MW-185 | 10/12/2001 | PROFILE | 250.00 | 250.00 | 118.00 | 118.00 | 8330N | NITROBENZENE | YES* |
| G185DLA | MW-185 | 10/12/2001 | PROFILE | 250.00 | 250.00 | 118.00 | 118.00 | 8330N | NITROGLYCERIN | NO |
| G185DLA | MW-185 | 10/12/2001 | PROFILE | 250.00 | 250.00 | 118.00 | 118.00 | 8330N | PENTAERYTHRITOL TETRANITR/ | NO |
| G185DLA | MW-185 | 10/12/2001 | PROFILE | 250.00 | 250.00 | 118.00 | 118.00 | 8330N | PICRIC ACID | NO |
| G185DNA | MW-185 | 10/12/2001 | PROFILE | 270.00 | 270.00 | 138.00 | 138.00 | 8330N | 2,4-DIAMINO-6-NITROTOLUENE | NO |
| G185DNA | MW-185 | 10/12/2001 | PROFILE | 270.00 | 270.00 | 138.00 | 138.00 | 8330N | 2,4-DINITROTOLUENE | NO |
| G185DNA | MW-185 | 10/12/2001 | PROFILE | 270.00 | 270.00 | 138.00 | 138.00 | 8330N | 4-NITROTOLUENE | NO |

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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
* = Interference in sample

TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 9/16/01-10/31/01



| OGDEN_ID | LOCID OR WELL ID | SAMPLED | SAMP_TYPE | SBD | SED | BWTS | BWTE | METHOD | OGDEN_ANALYTE | PDA |
|---|---|---|---|---|---|---|---|---|---|---|
| G185DNA | MW-185 | 10/12/2001 | PROFILE | 270.00 | 270.00 | 138.00 | 138.00 | 8330N | NITROBENZENE | YES* |
| G185DNA | MW-185 | 10/12/2001 | PROFILE | 270.00 | 270.00 | 138.00 | 138.00 | 8330N | NITROGLYCERIN | NO |
| G185DNA | MW-185 | 10/12/2001 | PROFILE | 270.00 | 270.00 | 138.00 | 138.00 | 8330N | PICRIC ACID | NO |
| G185DOA | MW-185 | 10/12/2001 | PROFILE | 280.00 | 280.00 | 148.00 | 148.00 | 8330N | 1,3,5-TRINITROBENZENE | NO |
| G185DOA | MW-185 | 10/12/2001 | PROFILE | 280.00 | 280.00 | 148.00 | 148.00 | 8330N | 1,3-DINITROBENZENE | NO |
| G185DOA | MW-185 | 10/12/2001 | PROFILE | 280.00 | 280.00 | 148.00 | 148.00 | 8330N | 2,4-DINITROTOLUENE | NO |
| G185DOA | MW-185 | 10/12/2001 | PROFILE | 280.00 | 280.00 | 148.00 | 148.00 | 8330N | 2-NITROTOLUENE | NO |
| G185DOA | MW-185 | 10/12/2001 | PROFILE | 280.00 | 280.00 | 148.00 | 148.00 | 8330N | 4-NITROTOLUENE | NO |
| G185DOA | MW-185 | 10/12/2001 | PROFILE | 280.00 | 280.00 | 148.00 | 148.00 | 8330N | NITROGLYCERIN | NO |
| G185DOA | MW-185 | 10/12/2001 | PROFILE | 280.00 | 280.00 | 148.00 | 148.00 | 8330N | PICRIC ACID | NO |
| G185DPA | MW-185 | 10/12/2001 | PROFILE | 290.00 | 290.00 | 158.00 | 158.00 | 8330N | 1,3-DINITROBENZENE | NO |
| G185DPA | MW-185 | 10/12/2001 | PROFILE | 290.00 | 290.00 | 158.00 | 158.00 | 8330N | 2,4-DINITROTOLUENE | NO |
| G185DPA | MW-185 | 10/12/2001 | PROFILE | 290.00 | 290.00 | 158.00 | 158.00 | 8330N | 2-NITROTOLUENE | NO |
| G185DPA | MW-185 | 10/12/2001 | PROFILE | 290.00 | 290.00 | 158.00 | 158.00 | 8330N | 4-NITROTOLUENE | NO |
| G185DPA | MW-185 | 10/12/2001 | PROFILE | 290.00 | 290.00 | 158.00 | 158.00 | 8330N | NITROGLYCERIN | NO |
| G185DPA | MW-185 | 10/12/2001 | PROFILE | 290.00 | 290.00 | 158.00 | 158.00 | 8330N | PICRIC ACID | NO |
| G185DQA | MW-185 | 10/15/2001 | PROFILE | 300.00 | 300.00 | 168.00 | 168.00 | 8330N | 2,4-DINITROTOLUENE | NO |
| G185DQA | MW-185 | 10/15/2001 | PROFILE | 300.00 | 300.00 | 168.00 | 168.00 | 8330N | 2,6-DINITROTOLUENE | NO |
| G185DQA | MW-185 | 10/15/2001 | PROFILE | 300.00 | 300.00 | 168.00 | 168.00 | 8330N | NITROBENZENE | NO* |
| G185DQA | MW-185 | 10/15/2001 | PROFILE | 300.00 | 300.00 | 168.00 | 168.00 | 8330N | NITROGLYCERIN | NO |
| G185DQA | MW-185 | 10/15/2001 | PROFILE | 300.00 | 300.00 | 168.00 | 168.00 | 8330N | PICRIC ACID | NO |
| G185DQD | MW-185 | 10/15/2001 | PROFILE | 300.00 | 300.00 | 168.00 | 168.00 | 8330N | 1,3,5-TRINITROBENZENE | NO |
| G185DQD | MW-185 | 10/15/2001 | PROFILE | 300.00 | 300.00 | 168.00 | 168.00 | 8330N | 1,3-DINITROBENZENE | NO |
| G185DQD | MW-185 | 10/15/2001 | PROFILE | 300.00 | 300.00 | 168.00 | 168.00 | 8330N | NITROBENZENE | NO* |
| G185DQD | MW-185 | 10/15/2001 | PROFILE | 300.00 | 300.00 | 168.00 | 168.00 | 8330N | NITROGLYCERIN | NO |
| G185DRA | MW-185 | 10/15/2001 | PROFILE | 310.00 | 310.00 | 178.00 | 178.00 | 8330N | 1,3,5-TRINITROBENZENE | NO |
| G185DRA | MW-185 | 10/15/2001 | PROFILE | 310.00 | 310.00 | 178.00 | 178.00 | 8330N | 1,3-DINITROBENZENE | NO |
| G185DRA | MW-185 | 10/15/2001 | PROFILE | 310.00 | 310.00 | 178.00 | 178.00 | 8330N | NITROBENZENE | YES* |
| G185DRA | MW-185 | 10/15/2001 | PROFILE | 310.00 | 310.00 | 178.00 | 178.00 | 8330N | NITROGLYCERIN | NO |
| G185DSA | MW-185 | 10/15/2001 | PROFILE | 320.00 | 320.00 | 188.00 | 188.00 | 8330N | 1,3-DINITROBENZENE | NO |
| G185DSA | MW-185 | 10/15/2001 | PROFILE | 320.00 | 320.00 | 188.00 | 188.00 | 8330N | 2,4-DINITROTOLUENE | NO |

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* = Interference in sample

TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 9/16/01-10/31/01



| OGDEN_ID | LOCID OR WELL ID | SAMPLED | SAMP_TYPE | SBD | SED | BWTS | BWTE | METHOD | OGDEN_ANALYTE | PDA |
|---|---|---|---|---|---|---|---|---|---|---|
| G185DSA | MW-185 | 10/15/2001 | PROFILE | 320.00 | 320.00 | 188.00 | 188.00 | 8330N | NITROGLYCERIN | NO |
| G185DTA | MW-185 | 10/15/2001 | PROFILE | 330.00 | 330.00 | 198.00 | 198.00 | 8330N | 1,3,5-TRINITROBENZENE | NO |
| G185DTA | MW-185 | 10/15/2001 | PROFILE | 330.00 | 330.00 | 198.00 | 198.00 | 8330N | 1,3-DINITROBENZENE | NO |
| G185DTA | MW-185 | 10/15/2001 | PROFILE | 330.00 | 330.00 | 198.00 | 198.00 | 8330N | 2,4-DINITROTOLUENE | NO |
| G185DTA | MW-185 | 10/15/2001 | PROFILE | 330.00 | 330.00 | 198.00 | 198.00 | 8330N | NITROGLYCERIN | NO |
| G185DUA | MW-185 | 10/16/2001 | PROFILE | 340.00 | 340.00 | 208.00 | 208.00 | 8330N | 1,3,5-TRINITROBENZENE | YES |
| G185DUA | MW-185 | 10/16/2001 | PROFILE | 340.00 | 340.00 | 208.00 | 208.00 | 8330N | 1,3-DINITROBENZENE | NO |
| G185DUA | MW-185 | 10/16/2001 | PROFILE | 340.00 | 340.00 | 208.00 | 208.00 | 8330N | 2,4-DINITROTOLUENE | NO |
| G185DUA | MW-185 | 10/16/2001 | PROFILE | 340.00 | 340.00 | 208.00 | 208.00 | 8330N | NITROGLYCERIN | NO |
| G186DAA | MW-186 | 10/25/2001 | PROFILE | 130.00 | 130.00 | 8.00 | 8.00 | 8330N | NITROGLYCERIN | NO |
| G186DAD | MW-186 | 10/25/2001 | PROFILE | 130.00 | 130.00 | 8.00 | 8.00 | 8330N | NITROGLYCERIN | NO |
| G186DBA | MW-186 | 10/24/2001 | PROFILE | 140.00 | 140.00 | 18.00 | 18.00 | 8330N | 2,4-DIAMINO-6-NITROTOLUENE | YES |
| G186DBA | MW-186 | 10/24/2001 | PROFILE | 140.00 | 140.00 | 18.00 | 18.00 | 8330N | NITROGLYCERIN | NO |
| G186DBD | MW-186 | 10/24/2001 | PROFILE | 140.00 | 140.00 | 18.00 | 18.00 | 8330N | 2,4-DIAMINO-6-NITROTOLUENE | YES |
| G186DBD | MW-186 | 10/24/2001 | PROFILE | 140.00 | 140.00 | 18.00 | 18.00 | 8330N | PICRIC ACID | NO |
| G186DCA | MW-186 | 10/25/2001 | PROFILE | 150.00 | 150.00 | 28.00 | 28.00 | 8330N | 2,4-DIAMINO-6-NITROTOLUENE | YES |
| G186DCA | MW-186 | 10/25/2001 | PROFILE | 150.00 | 150.00 | 28.00 | 28.00 | 8330N | PICRIC ACID | NO |
| G186DDA | MW-186 | 10/25/2001 | PROFILE | 160.00 | 160.00 | 38.00 | 38.00 | 8330N | 2,4-DIAMINO-6-NITROTOLUENE | YES |
| G186DDA | MW-186 | 10/25/2001 | PROFILE | 160.00 | 160.00 | 38.00 | 38.00 | 8330N | PICRIC ACID | NO |
| G186DEA | MW-186 | 10/25/2001 | PROFILE | 170.00 | 170.00 | 48.00 | 48.00 | 8330N | 2,4-DIAMINO-6-NITROTOLUENE | YES |
| G186DEA | MW-186 | 10/25/2001 | PROFILE | 170.00 | 170.00 | 48.00 | 48.00 | 8330N | PICRIC ACID | NO |
| G186DFA | MW-186 | 10/25/2001 | PROFILE | 180.00 | 180.00 | 58.00 | 58.00 | 8330N | 2,4-DIAMINO-6-NITROTOLUENE | YES |
| G186DFA | MW-186 | 10/25/2001 | PROFILE | 180.00 | 180.00 | 58.00 | 58.00 | 8330N | PICRIC ACID | NO |
| G186DGA | MW-186 | 10/25/2001 | PROFILE | 190.00 | 190.00 | 68.00 | 68.00 | 8330N | 2,4-DIAMINO-6-NITROTOLUENE | YES |
| G186DGA | MW-186 | 10/25/2001 | PROFILE | 190.00 | 190.00 | 68.00 | 68.00 | 8330N | PICRIC ACID | NO |
| G186DHA | MW-186 | 10/25/2001 | PROFILE | 200.00 | 200.00 | 78.00 | 78.00 | 8330N | 2,4-DIAMINO-6-NITROTOLUENE | YES |
| G186DHA | MW-186 | 10/25/2001 | PROFILE | 200.00 | 200.00 | 78.00 | 78.00 | 8330N | NITROGLYCERIN | NO |
| G186DHA | MW-186 | 10/25/2001 | PROFILE | 200.00 | 200.00 | 78.00 | 78.00 | 8330N | PICRIC ACID | NO |
| G186DQA | MW-186 | 10/29/2001 | PROFILE | 290.00 | 290.00 | 168.00 | 168.00 | 8330N | NITROGLYCERIN | NO |
| G186DQA | MW-186 | 10/29/2001 | PROFILE | 290.00 | 290.00 | 168.00 | 168.00 | 8330N | PICRIC ACID | NO |
| G186DSA | MW-186 | 10/29/2001 | PROFILE | 310.00 | 310.00 | 188.00 | 188.00 | 8330N | NITROGLYCERIN | NO |

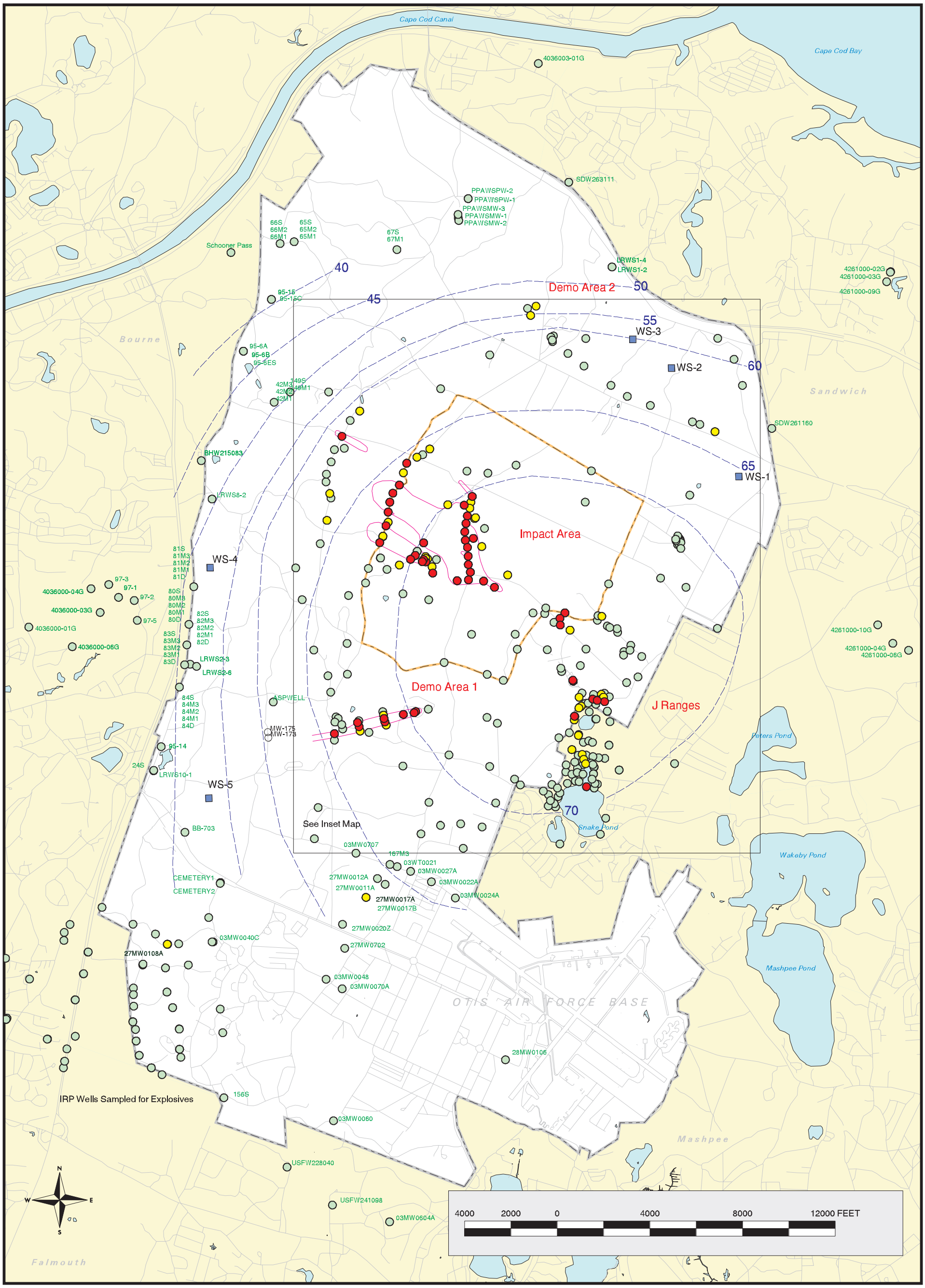
DATA REPORTED REFLECT CURRENT DATABASE FOR SAMPLES COLLECTED IN SPECIFIED TIMEFRAME. NOT ALL RESULTS ARE COMPLETE.
SBD = SAMPLE COLLECTION BEGIN DEPTH IN FEET BGS
SED = SAMPLE COLLECTION END DEPTH IN FEET BGS
BWTS = DEPTH BELOW WATER TABLE, START DEPTH, MEASURED IN FEET
BWTE = DEPTH BELOW WATER TABLE,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

TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 9/16/01-10/31/01



| OGDEN_ID | LOCID OR WELL ID | SAMPLED | SAMP_TYPE | SBD | SED | BWTS | BWTE | METHOD | OGDEN_ANALYTE | PDA |
|---|---|---|---|---|---|---|---|---|---|---|
| G186DSA | MW-186 | 10/29/2001 | PROFILE | 310.00 | 310.00 | 188.00 | 188.00 | 8330N | PICRIC ACID | NO |
| G186DTA | MW-186 | 10/29/2001 | PROFILE | 320.00 | 320.00 | 198.00 | 198.00 | 8330N | NITROGLYCERIN | NO |
| G186DTA | MW-186 | 10/29/2001 | PROFILE | 320.00 | 320.00 | 198.00 | 198.00 | 8330N | PICRIC ACID | 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
* = Interference in sample




LEGEND

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

Sources & Notes
Base from US Geological Survey
7 1/2 minute Topo Maps. Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPsZone 2001, Units: Meters

Figure 1

# Explosives in Groundwater Compared to MCL/HAs Validated Data as of 10/24/01

Analyte Group
1

Demo Area 2

Impact Area

CS-19

Demo Area 1

J Ranges

J-3 Wetland

Snake Pond

Weeks Pond

SMR-2

SMR-3

SMR-4

TEXTRONPW-1

RANGECON

45 50 55 60 65 70

WS-1 WS-2 WS-3

RW-1 RW-3

LRMW0003

LRWS4-1 LRWS5-1 LRWS6-1 LRWS7-1

USCGANTST

MW-115 MW-176 MW-177 MW-179 MW-180 MW-181 MW-182 MW-183 MW-184 MW-185

4261000-05G

Scale 1" = 1,200 Feet

Sources & Notes
Base from US Geological Survey
7 1/2 minute Topo Maps. Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPsZone 2001, Units: Meters

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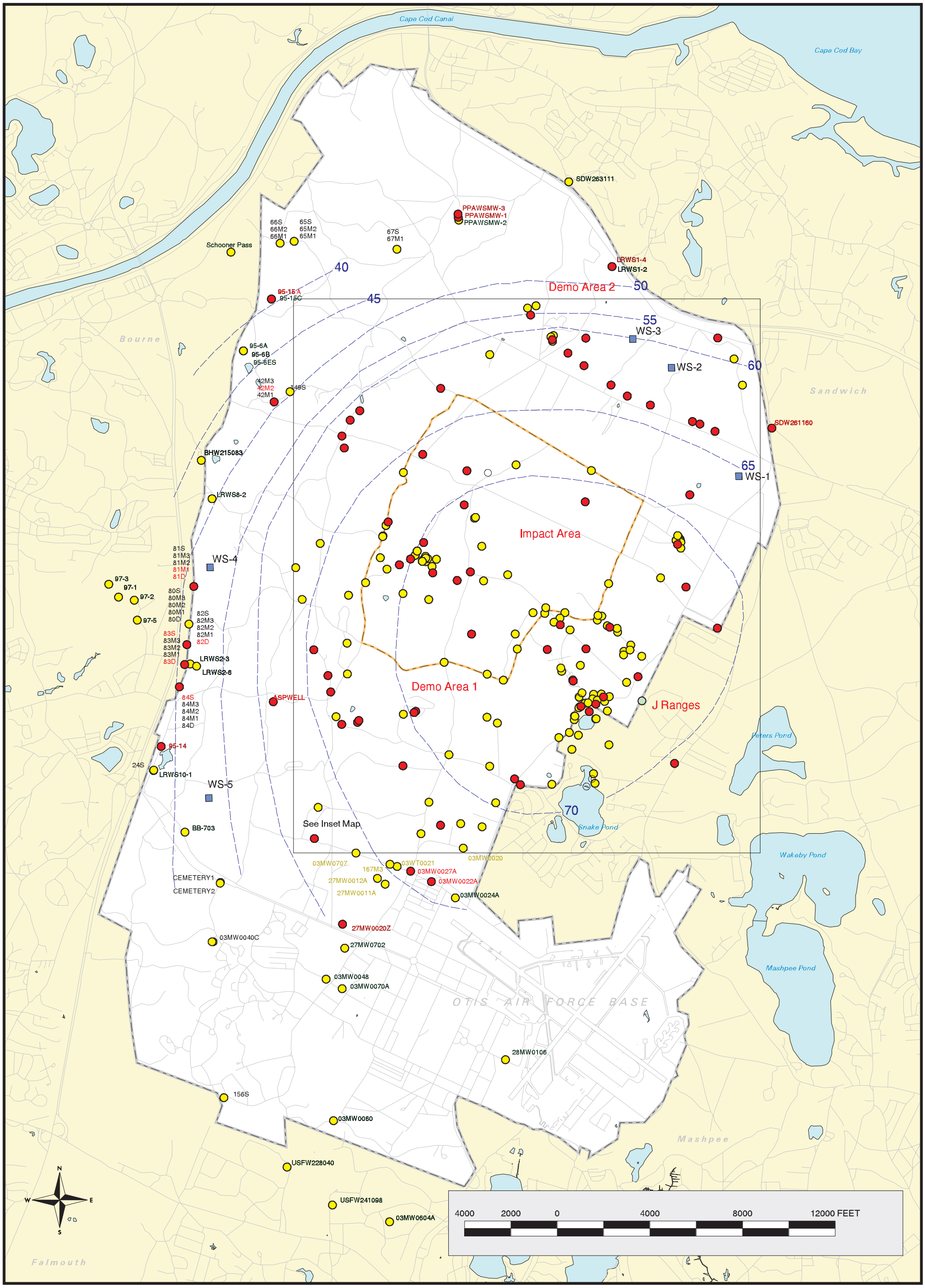
LEGEND

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

IAGWSP Impact Area Groundwater Study Program

Figure 1
Explosives in Groundwater
Compared to MCL/HAs
Validated Data as of 10/24/01
Analyte Group
1

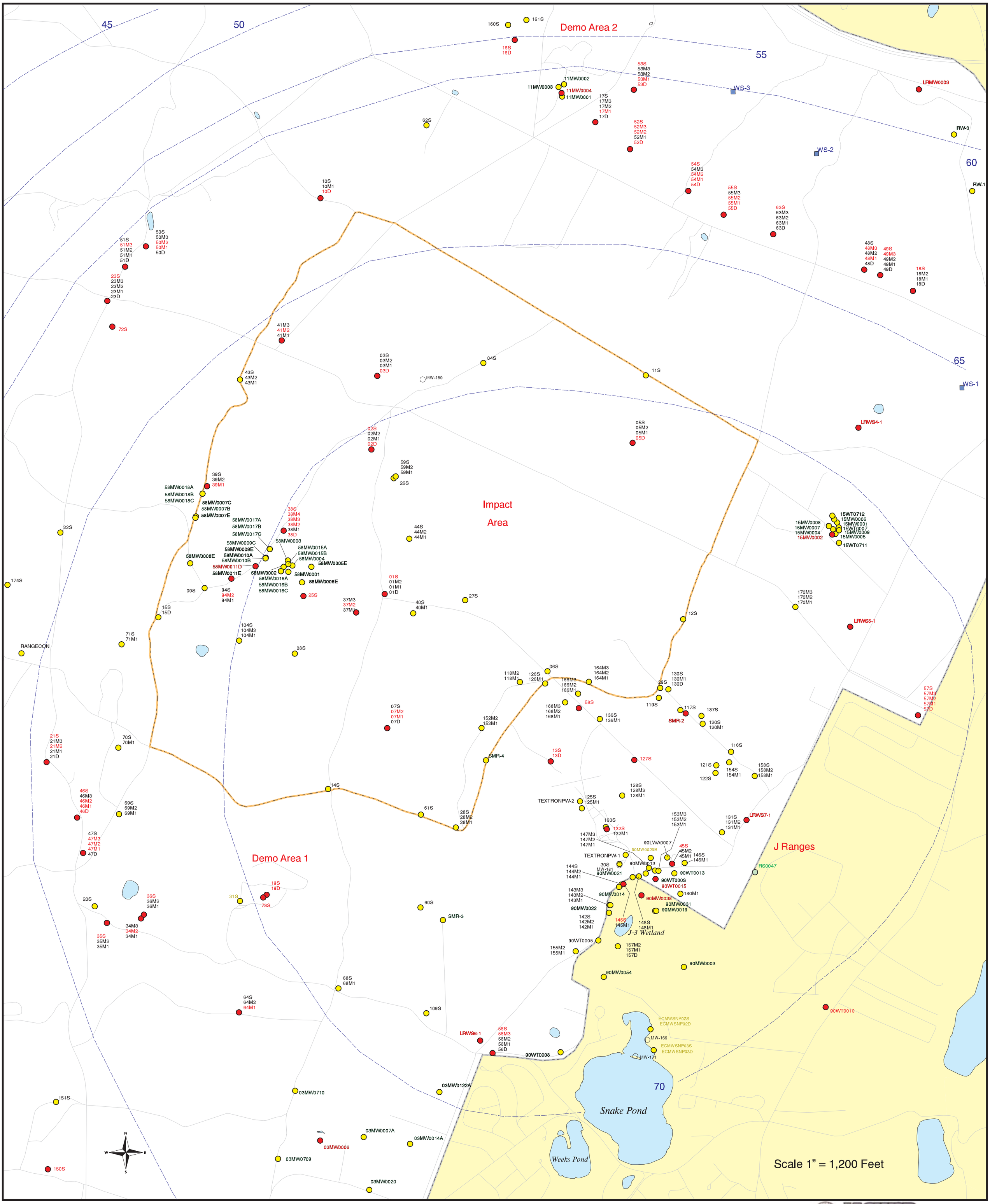



LEGEND

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

Sources & Notes
Base from US Geological Survey
7 1/2 minute Topo Maps. Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPsZone 2001, Units: Meters

Figure 2
Metals in Groundwater
Compared to MCL/HAs
Validated Data as of 10/24/01
Analyte Group
2




Sources & Notes
Base from US Geological Survey
7 1/2 minute Topo Maps. Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPsZone 2001, Units: Meters

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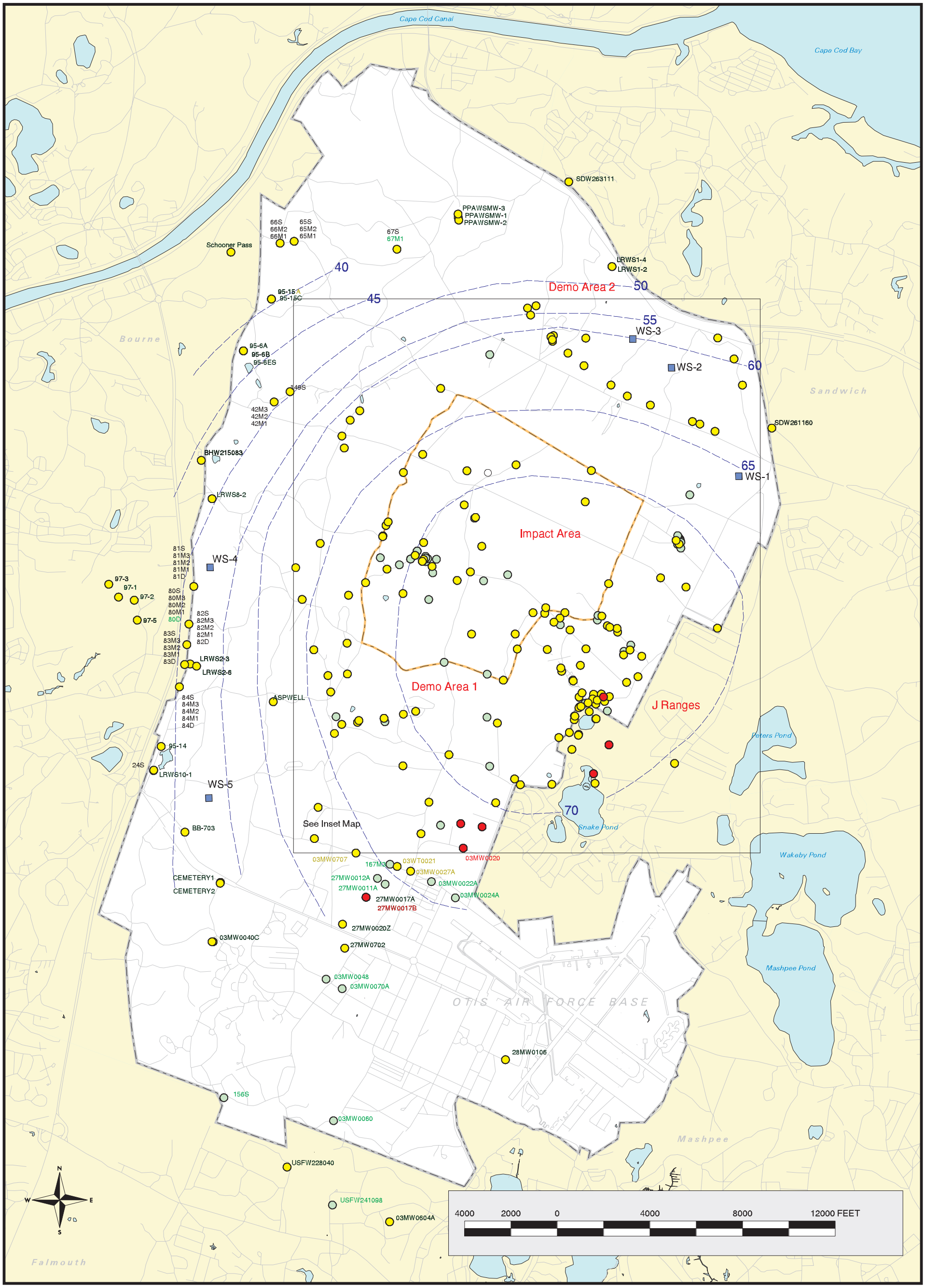
LEGEND
- Validated Detection GTE MCL/HA
- Validated Detection LT MCL/HA
- Validated Non-detect
- No Data Available

IAGWSP Impact Area Groundwater Study Program

Figure 2 - INSET MAP
# Metals in Groundwater Compared to MCL/HAs Validated Data as of 10/24/01
Analyte Group
2




LEGEND

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

Sources & Notes
Base from US Geological Survey
7 1/2 minute Topo Maps. Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPsZone 2001, Units: Meters

Figure 3
VOCs in Groundwater
Compared to MCL/HAs
Validated Data as of 10/24/01
Analyte Group
3

Demo Area 2

Impact Area

Demo Area 1

J Ranges

J-3 Wetland

Snake Pond

Weeks Pond

45 50 55 60 65 70

WS-1 WS-2 WS-3

RW-1 RW-3

SMR-2 SMR-3 SMR-4

RANGECON

TEXTRONPW-1 TEXTRONPW-2

160S 161S 16S 16D

11MW0002 11MW0003 11MW0004 11MW0001

17S 17M3 17M2 17M1 17D

53S 53M3 53M2 53M1 53D

LRMW0003

52S 52M3 52M2 52M1 52D

62S

54S 54M3 54M2 54M1 54D

55S 55M3 55M2 55M1 55D

63S 63M3 63M2 63M1 63D

10S 10M1 10D

50S 50M3 50M2 50M1 50D

51S 51M3 51M2 51M1 51D

23S 23M3 23M2 23M1 23D

72S

48S 48M3 48M2 48M1 48D

49S 49M3 49M2 49M1 49D

18S 18M2 18M1 18D

41M3 41M2 41M1

03S 03M2 03M1 03D

04S

MW-159

11S

43S 43M2 43M1

02S 02M2 02M1 02D

05S 05M2 05M1 05D

LRWS4-1

59S 59M2 59M1

26S

39S 39M2 39M1

58MW0018A 58MW0018B 58MW0018C

58MW0007C 58MW0007B 58MW0007E

22S

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

58MW0017A 58MW0017B 58MW0017C

58MW0009C 58MW0009E 58MW0010A 58MW0010B

58MW0008E

58MW0011D 58MW0011E

58MW0003 58MW0015A 58MW0015B 58MW0004 58MW0005E

58MW0002 58MW0016A 58MW0016B 58MW0016C

58MW0001 58MW0006E

25S

44S 44M2 44M1

15MW0008 15MW0007 15MW0004 15MW0002

15WT0712 15MW0006 15MW0001 15WT0007 15MW0009 15MW0005 15WT0711

174S

09S

94S 94M2 94M1

01S 01M2 01M1 01D

27S

40S 40M1

37M3 37M2 37M1

170M3 170M2 170M1

LRWS5-1

15S 15D

12S

104S 104M2 104M1

71S 71M1

08S

06S

118M2 118M1

126S 126M1

164M3 164M2 164M1

130S 130M1 130D

29S

165M3 166M2 166M1

58S

168M3 168M2 168M1

136S 136M1

119S

117S

137S

120S 120M1

57S 57M3 57M2 57M1 57D

07S 07M2 07M1 07D

152M2 152M1

116S

121S

154S 154M1

122S

158S 158M2 158M1

21S 21M3 21M2 21M1 21D

70S 70M1

13S 13D

127S

14S

128S 128M2 128M1

125S 125M1

46S 46M3 46M2 46M1 46D

69S 69M2 69M1

61S

28S 28M2 28M1

163S

153M3 153M2 153M1

131S 131M2 131M1

LRWS7-1

132S 132M1

147M3 147M2 147M1

90LWA0007

90MW0029B

45S 45M2 45M1 146S 146M1

30S MW-181

144S 144M2 144M1

90MW0018

90MW0021

90WT0013

90WT0003

90WT0015

140M1

143M3 143M2 143M1

90MW0014

90MW0038

90MW0031

90MW0022

142S 142M2 142M1

145S 145M1

148S 148M1

90MW0019

47S 47M3 47M2 47M1 47D

19S 19D

31S

20S

36S 36M2 36M1

34M3 34M2 34M1

35S 35M2 35M1

77M2 77M1

76S 76M2 76M1

165M2

60S

SMR-3

90WT0005

155M2 155M1

90MW0004

157M2 157M1 157D

90MW0003 90MW0005

90MW0054

68S 68M1

64S 64M2 64M1

109S

90WT0010

ECMWSNP02D ECMWSNP02S

MW-169

ECMWSNP03S ECMWSNP03D

LRWS6-1

56S 56M3 56M2 56M1 56D

90WT0008

MW-171

03MW0122A

03MW0710

151S

03MW0007A

03MW0014A

03MW0006

03MW0709

150S

03MW0020

RANGECON

N W E S

Scale 1" = 1,200 Feet

Sources & Notes
Base from US Geological Survey
7 1/2 minute Topo Maps. Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPsZone 2001, Units: Meters

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LEGEND

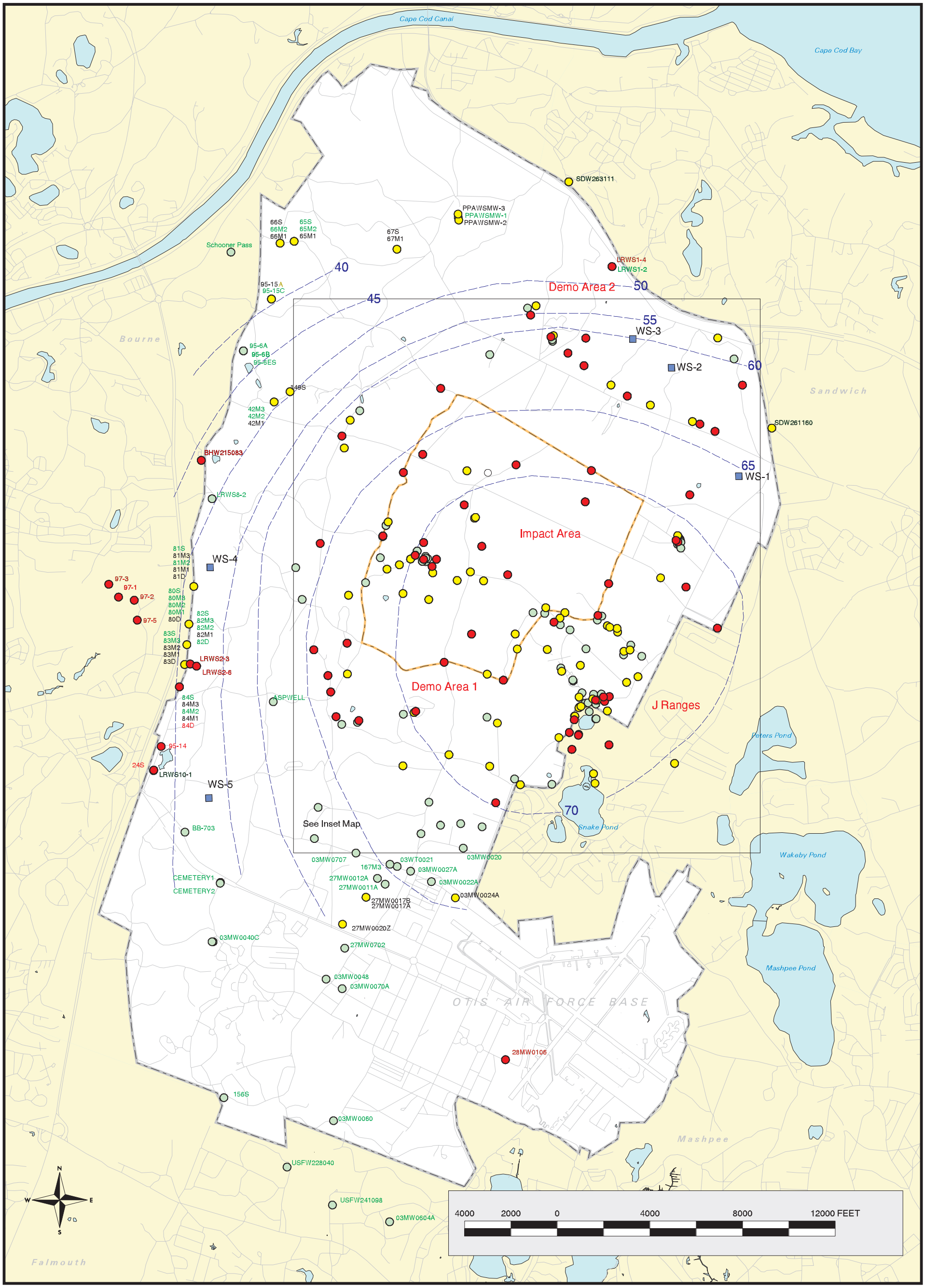
- Validated Detection GTE MCL/HA
- Validated Detection LT MCL/HA
- Validated Non-detect
- No Data Available

IAGWSP Impact Area Groundwater Study Program

Figure 3 - INSET MAP

# VOCs in Groundwater Compared to MCL/HAs Validated Data as of 10/24/01

Analyte Group
3




LEGEND

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

Sources & Notes
Base from US Geological Survey
7 1/2 minute Topo Maps. Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPsZone 2001, Units: Meters

Figure 4
SVOCs in Groundwater
Compared to MCL/HAs
Validated Data as of 10/24/01
Analyte Group
4

Demo Area 2

Impact Area

Demo Area 1

J Ranges

J-3 Wetland

Snake Pond

Weeks Pond

45 50 55 60 65 70

WS-1 WS-2 WS-3

RW-1 RW-3

SMR-2 SMR-3 SMR-4

RANGECON

MW-159 MW-169 MW-171

TEXTRONPW-1 TEXTRONPW-2

MW-181

16S 16D

11MW0002 11MW0003 11MW0004 11MW0001

LRMW0003

17S 17M3 17M2 17M1 17D

53S 53M3 53M2 53M1 53D

52S 52M3 52M2 52M1 52D

62S

54S 54M3 54M2 54M1 54D

55S 55M3 55M2 55M1 55D

63S 63M3 63M2 63M1 63D

10S 10M1 10D

50S 50M3 50M2 50M1 50D

51S 51M3 51M2 51M1 51D

23S 23M3 23M2 23M1 23D

72S

41M3 41M2 41M1

43S 43M2 43M1

03S 03M2 03M1 03D

04S

11S

02S 02M2 02M1 02D

05S 05M2 05M1 05D

59S 59M2 59M1

26S

48S 48M3 48M2 48M1 48D

49S 49M3 49M2 49M1 49D

18S 18M2 18M1 18D

LRWS4-1

39S 39M2 39M1

58MW0018A 58MW0018B 58MW0018C

58MW0007C 58MW0007B 58MW0007E

22S

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

58MW0017A 58MW0017B 58MW0017C

58MW0009C 58MW0009E 58MW0010A 58MW0010B

58MW0003 58MW0015A 58MW0015B 58MW0004 58MW0005E

58MW0008E

58MW0011D 58MW0011E

58MW0002 58MW0001 58MW0016A 58MW0016B 58MW0016C 58MW0006E

09S 94S 94M2 94M1

25S

174S

15S 15D

37M3 37M2 37M1

01S 01M2 01M1 01D

40S 40M1

44S 44M2 44M1

27S

104S 104M2 104M1

71S 71M1

08S

12S

15MW0008 15MW0007 15MW0004 15MW0002

15WT0712 15MW0006 15MW0001 15WT0007 15MW0009 15MW0005 15WT0711

170M3 170M2 170M1

LRWS5-1

57S 57M3 57M2 57M1 57D

06S

118M2 118M1 126S 126M1

164M3 164M2 164M1

166M3 166M2 166M1

29S 130S 130M1 130D

58S

168M3 168M2 168M1

136S 136M1

119S

117S 137S 120S 120M1

07S 07M2 07M1 07D

152M2 152M1

SMR-4

13S 13D

127S

116S

121S 122S 154S 154M1 158S 158M2 158M1

21S 21M3 21M2 21M1 21D

70S 70M1

14S

128S 128M2 128M1

TEXTRONPW-2

125S 125M1

163S

132S 132M1

153M3 153M2 153M1

131S 131M2 131M1 LRWS7-1

46S 46M3 46M2 46M1 46D

69S 69M2 69M1

61S

28S 28M2 28M1

147M3 147M2 147M1

90LWA0007 90MW0029B

45S 45M2 45M1 146S 146M1

144S 144M2 144M1

30S 90MW0016 90WT0013

90WT0003 90WT0015

140M1

143M3 143M2 143M1

90MW0014 90MW0038 90MW0031 90MW0019

90MW0022 145S 145M1

142S 142M2 142M1

148S 148M1

90WT0005 90MW0004

155M2 155M1

157M2 157M1 157D

90MW0003 90MW0005

90MW0054

47S 47M3 47M2 47M1 47D

34M3 34M2 34M1 36S 36M2 36M1

20S

35S 35M2 35M1

19S 19D 73S

31S

60S

SMR-3

68S 68M1

64S 64M2 64M1

109S

LRWS6-1 56S 56M3 56M2 56M1 56D

90WT0008

90WT0010

ECMWSNP02S ECMWSNP02D

ECMWSNP03S ECMWSNP03D

03MW0122A

151S

03MW0710

03MW0007A 03MW0014A 03MW0006

03MW0709

150S

03MW0020

N W E S

Scale 1" = 1,200 Feet

Sources & Notes
Base from US Geological Survey
7 1/2 minute Topo Maps. Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPsZone 2001, Units: Meters

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LEGEND

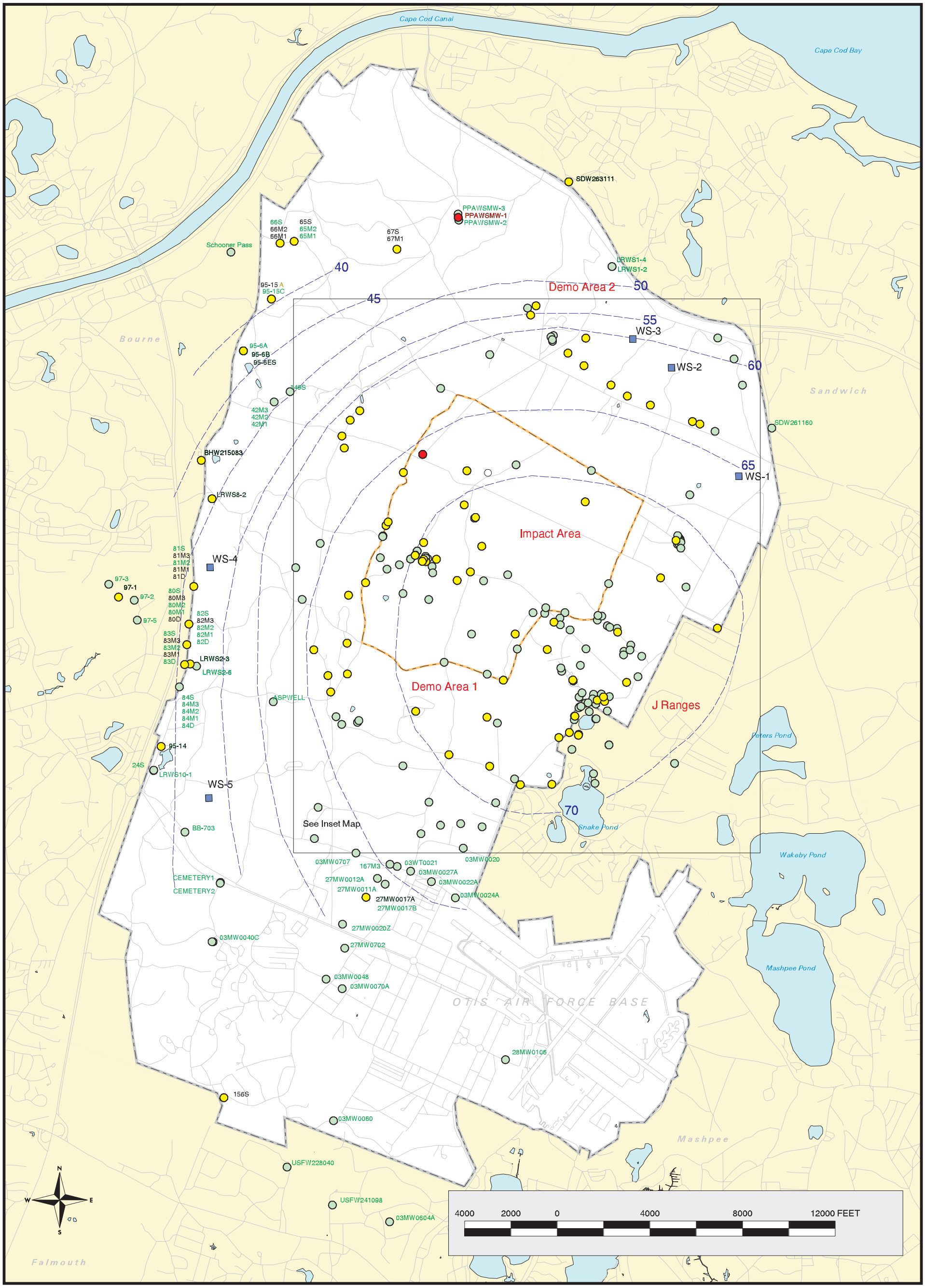
- Validated Detection GTE MCL/HA
- Validated Detection LT MCL/HA
- Validated Non-detect
- No Data Available

IAGWSP Impact Area Groundwater Study Program

Figure 4 - INSET MAP

# SVOCs in Groundwater Compared to MCL/HAs Validated Data as of 10/24/01

Analyte Group 4




LEGEND

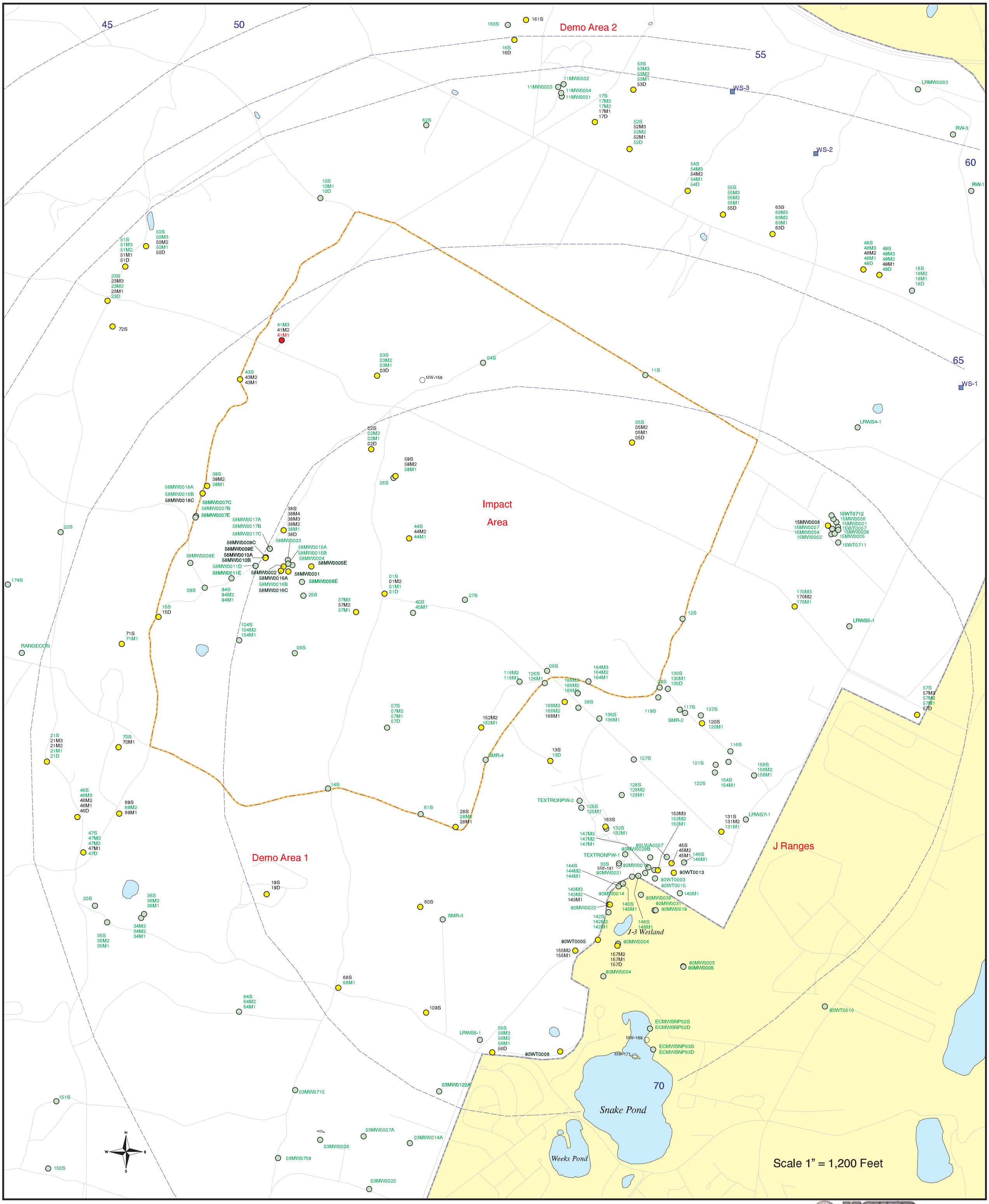
- Validated Detection GTE MCL/HA
- Validated Detection LT MCL/HA
- Validated Non-detect
- No Data Available

Sources & Notes
Base from US Geological Survey
7 1/2 minute Topo Maps. Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPsZone 2001, Units: Meters

Figure 5

## Herbicides and Pesticides in Groundwater Compared to MCL/HAs Validated Data as of 10/24/01

Analyte Group
5




Sources & Notes
Base from US Geological Survey
7 1/2 minute Topo Maps. Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPsZone 2001, Units: Meters

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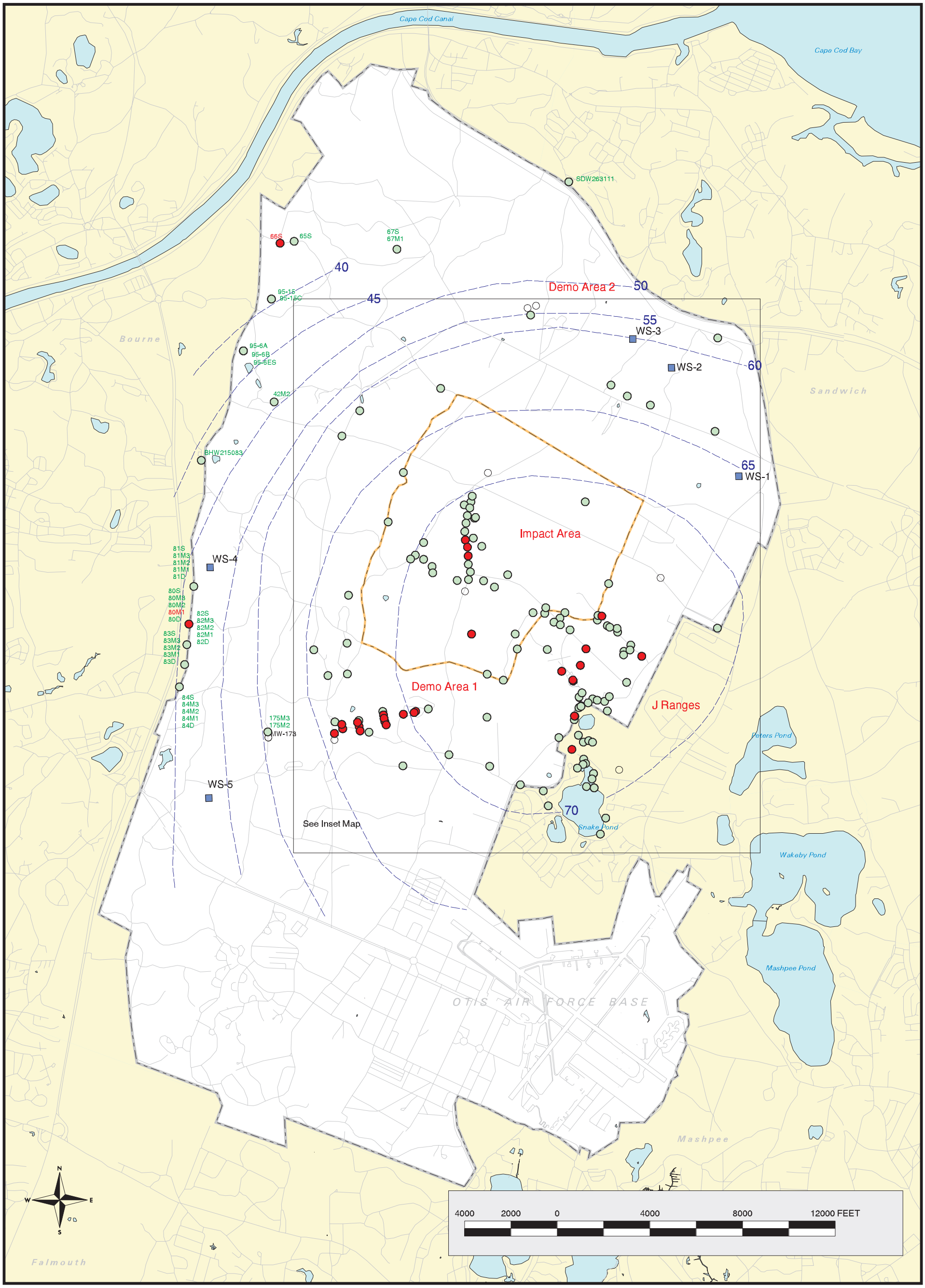
LEGEND
- Validated Detection GTE MCL/HA
- Validated Detection LT MCL/HA
- Validated Non-detect
- No Data Available

IAGWSP Impact Area Groundwater Study Program

Figure 5 - INSET MAP

# Herbicides and Pesticides in Groundwater Compared to MCL/HAs Validated Data as of 10/24/01

Analyte Group
5

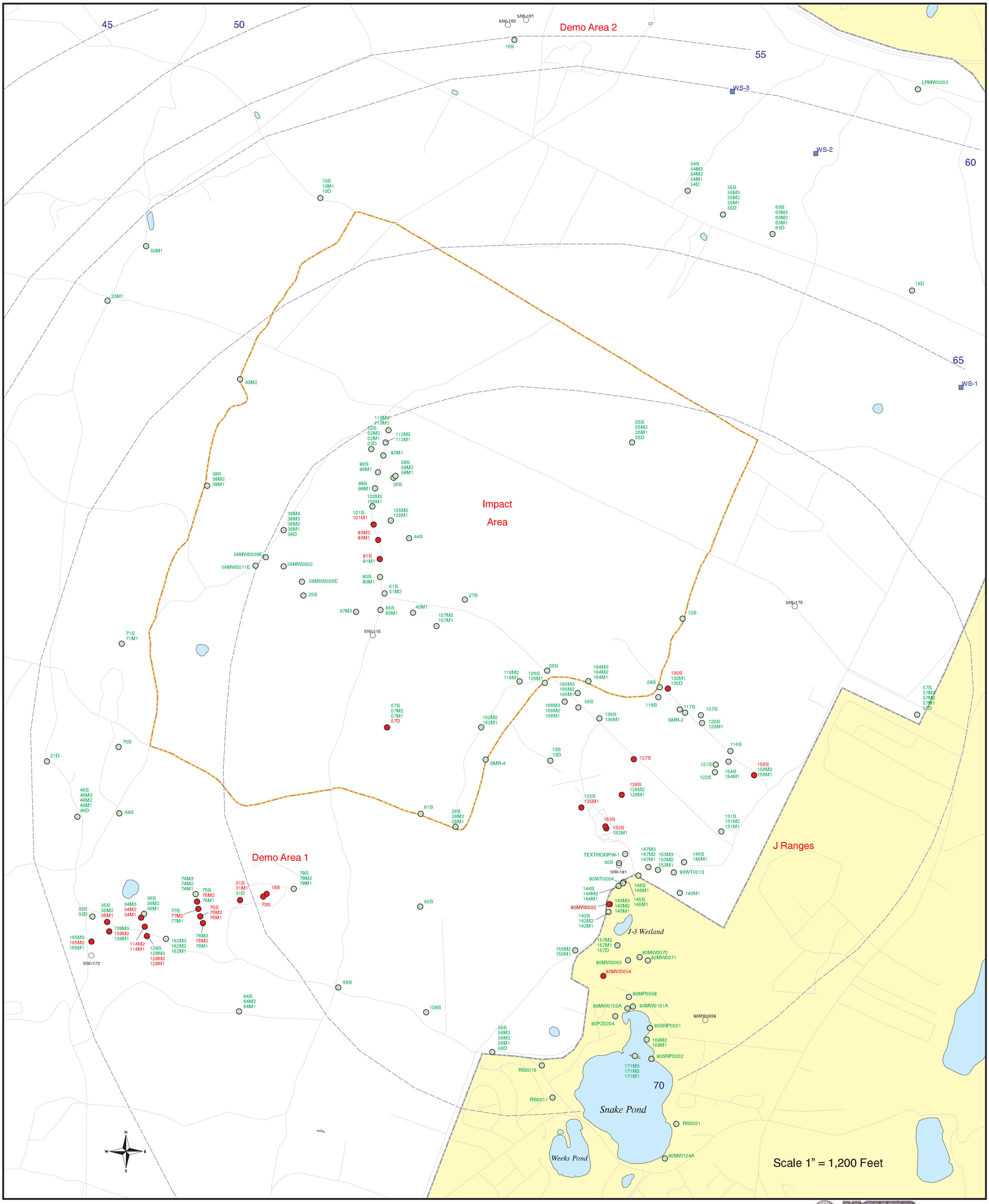



LEGEND

- Validated Detection GTE EPA Limit
- Validated Detection LT EPA Limit
- Validated Non-detect
- No Data Available

Sources & Notes
Base from US Geological Survey
7 1/2 minute Topo Maps. Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPsZone 2001, Units: Meters

Figure 6
Perchlorate in Groundwater
Compared to EPA Limit
Validated Data as of 10/24/01
Analyte Group
6




Sources & Notes
Base from US Geological Survey
7 1/2 minute Topo Maps. Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPsZone 2001, Units: Meters

amec November 07, 2001 DRAFT

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LEGEND
- Validated Detection GTE EPA Limit
- Validated Detection LT EPA Limit
- Validated Non-detect
- No Data Available

IAGWSP Impact Area Groundwater Study Program

Figure 6 - INSET MAP
# Perchlorate in Groundwater Compared to MCL/HAs Validated Data as of 10/24/01
Analyte Group
6

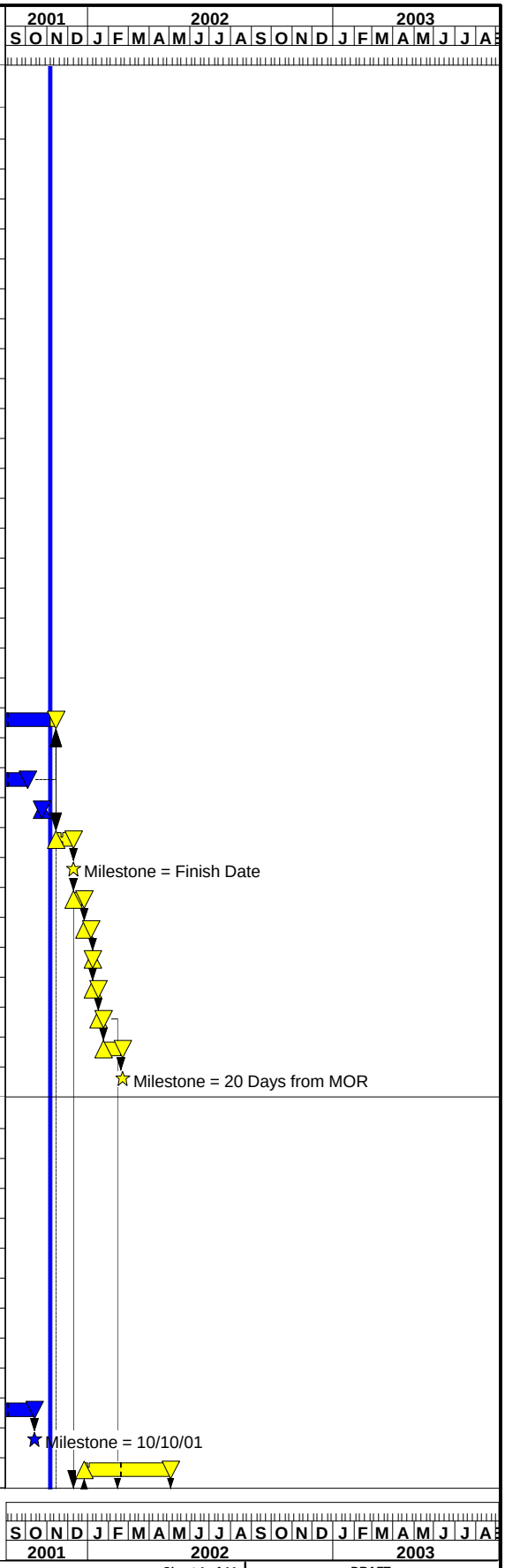
# Site Characterization (AO1)

## Demo Area 1

| Activity ID | Activity Description | ENF MILE | REM DUR | Start | Finish |
|---|---|---|---|---|---|
| 00110 | Demo 1 Soil/GW Investigation | | 0 | 14OCT99A | 23MAR00A |
| 00120 | Demo 1 Soil/GW Report Preparation | | 0 | 09MAR00A | 08JUN00A |
| 00130 | Demo 1 Draft Soil/GW Report | YES | 0 | | 08JUN00A |
| 00144 | Demo 1 Establish GW COCs | | 0 | 22AUG00A | 05DEC00A |
| 00146 | Demo 1 Rvw/Apprv GW COCs | | 0 | 06DEC00A | 19DEC00A |
| 00148 | Demo 1 Prepare Draft GW Report | | 0 | 20DEC00A | 18JAN01A |
| 00150 | Demo 1 Draft GW Report | YES | 0 | | 18JAN01A |
| 00152 | Demo 1 Revise Draft GW Report | | 0 | 19JAN01A | 19APR01A |
| 00154 | Demo 1 Final GW Report | YES | 0 | | 19APR01A |
| 00160 | Demo 1 Geophysics Investigation | | 0 | 05JAN00A | 15JUN00A |
| 00170 | Demo 1 Geophysics Presentation | | 0 | | 15JUN00A |
| 00175 | Start Soil Investigation | | 0 | 27JUN00A | |
| 00182 | Geophysics Validation | | 0 | 24AUG00A | 02OCT00A |
| 00180 | Soil Investigation | | 0 | 27JUN00A | 27OCT00A |
| 00181 | Soil Analyses & Validation | | 0 | 30OCT00A | 12JAN01A |
| 00141 | Demo 1 Establish Soil COCs | | 0 | 12FEB01A | 16MAR01A |
| 00142 | Demo 1 Rvw/Apprv Soil COCs | | 0 | 19MAR01A | 15MAY01A |
| 00156 | Demo 1 Prepare Draft Soil Report | | 0 | 26FEB01A | 08JUN01A |
| 00157 | Demo 1 Draft Soil Report | YES | 0 | | 08JUN01A |
| 00158 | Demo 1 Revise Draft Soil Report | | 5 | 08JUN01A | 12NOV01 |
| 00161 | Additional Borings in Demo 1 | | 0 | 08AUG01A | 10AUG01A |
| 00162 | Lab Analysis/Data Validation | | 0 | 13AUG01A | 01OCT01A |
| 00163 | Coordination Meeting Demo 1 Soil | | 0 | 23OCT01A | 23OCT01A |
| 00164 | Final Revisions Demo 1 Soil | | 18 | 13NOV01 | 10DEC01 |
| 00165 | Submit Draft Final Demo 1 Soil Report | YES | 0 | | 10DEC01 |
| 00166 | Agency Review & Comment | | 10 | 11DEC01 | 26DEC01 |
| 00167 | Guard Prepare/Submit RCL | | 5 | 27DEC01 | 03JAN02 |
| 00168 | Resolution Meeting (if needed) | | 1 | 08JAN02 | 08JAN02 |
| 00169 | Guard Prepare/Submit MOR (if needed) | | 5 | 09JAN02 | 15JAN02 |
| 00171 | EPA Approve MOR (if needed) | | 5 | 16JAN02 | 22JAN02 |
| 00172 | Guard Prepare Final Soil Report | | 20 | 23JAN02 | 20FEB02 |
| 00159 | Demo 1 Final Soil Report | YES | 0 | | 20FEB02 |

## Central Impact Area

| Activity ID | Activity Description | ENF MILE | REM DUR | Start | Finish |
|---|---|---|---|---|---|
| 00210 | Impact Area Planning | | 0 | 23AUG99A | 24JAN00A |
| 00220 | Impact Area Start Data Collection | YES | 0 | 05JAN00A | |
| 00230 | Impact Area Investigation | | 0 | 05JAN00A | 27JUL00A |
| 00272 | Response Plan Preparation | | 0 | 03MAY00A | 31AUG00A |
| 00274 | Response Plan Investigation | | 0 | 14JUN00A | 20DEC00A |
| 00276 | Response Plan Report Prep. | | 0 | 27NOV00A | 28FEB01A |
| 00278 | Response Plan Draft Report (GW) | YES | 0 | | 28FEB01A |
| 00280 | Response Plan Revise Draft Report | | 0 | 01MAR01A | 13JUN01A |
| 00282 | Response Plan Final Report (GW) | YES | 0 | | 13JUN01A |
| 00283 | Install 8 Additional Well Nests | | 0 | 01AUG01A | 13OCT01A |
| 00284 | Complete 8 Additional Well Nests | YES | 0 | | 13OCT01A |
| 00285 | Install 17 Additional Well Nests | | 90 | 26DEC01 | 02MAY02 |




Project Start 29FEB00
Project Finish 26OCT05
Data Date 06NOV01
Run Date 08NOV01

Early Bar
Progress Bar



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| Date | Revision | Checked | Approved |
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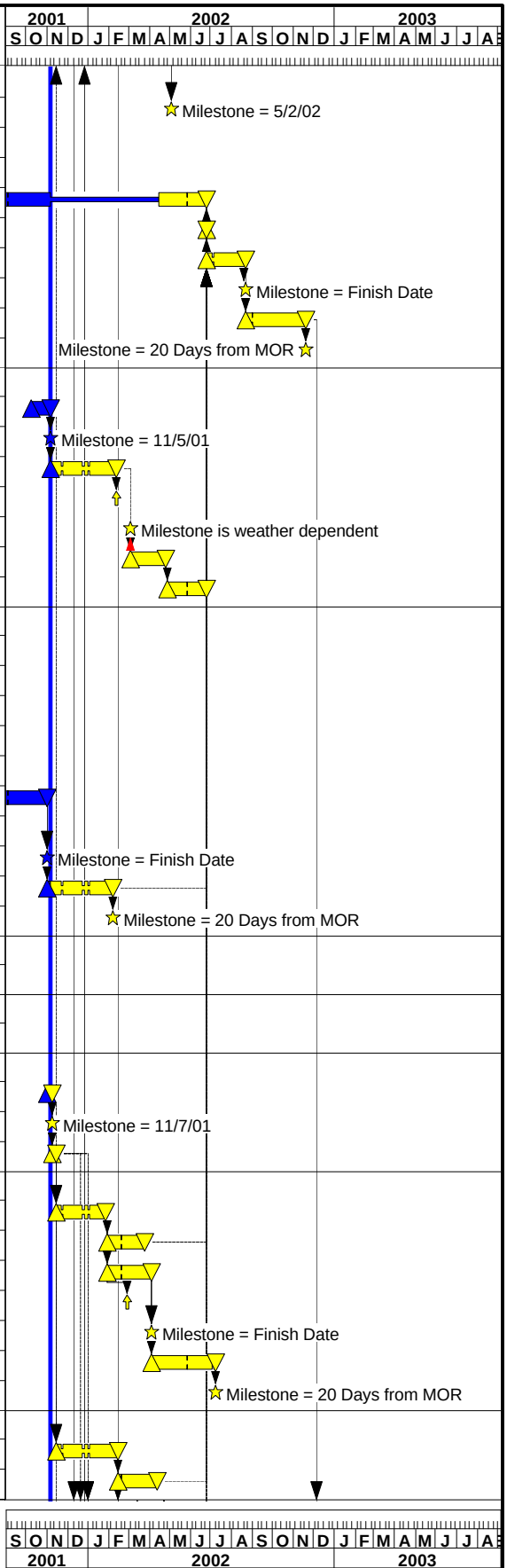
**Figure 7. Revised Combined Schedule for Impact Area GW Study Program as of 11/6/01**

| Activity ID | Activity Description | ENF MILE | REM DUR | Start | Finish |
|---|---|---|---|---|---|
| **Central Impact Area** | | | | | |
| 00287 | Complete 17 Additional Well Nests | YES | 0 | | 02MAY02 |
| 00286 | Prepare Draft Soil Report | | 0 | 09APR01A | 17JUL01A |
| 00288 | Submit Draft Soil Report | YES | 0 | | 17JUL01A |
| 00290 | Revise Draft Soil Report | | 50 | 17JUL01A | 24JUN02 |
| 00260 | Coordination Meeting CIA Soil Report | | 1 | 25JUN02 | 25JUN02 |
| 00261 | Final Revisions CIA Soil Report | | 40 | 25JUN02 | 20AUG02 |
| 00262 | Submit Draft Final CIA Soil Report | YES | 0 | | 20AUG02 |
| 00263 | Revise Draft Final CIA Soil Report | | 65 | 21AUG02 | 20NOV02 |
| 00292 | Final Soil Report | YES | 0 | | 20NOV02 |
| Impact Area Targets (Phase 2) | | | | | |
| 01809 | Prepare Targets Draft Workplan | | 0 | 08OCT01A | 05NOV01A |
| 01810 | Targets Draft Workplan | YES | 0 | | 05NOV01A |
| 01820 | Targets Revise Draft Workplan | | 65 | 06NOV01A | 11FEB02 |
| 01830 | Targets Final Workplan | | 0 | | 11FEB02 |
| 01840 | Targets Start Data Cllctn | YES | 0 | 04MAR02 | |
| 01850 | Targets Investigation (Phase 2) | | 40 | 04MAR02* | 26APR02 |
| 01860 | Lab Analysis/Data Validation | | 40 | 29APR02 | 24JUN02 |
| High Use Target Area 1 | | | | | |
| 01110 | HUTA Planning | | 0 | 10JAN00A | 24APR00A |
| 01120 | HUTA Draft Workplan | | 0 | | 24APR00A |
| 01130 | HUTA Revise Draft Workplan | | 0 | 24APR00A | 27OCT00A |
| 01140 | HUTA Final Workplan | | 0 | | 27OCT00A |
| 01160 | HUTA Investigation | | 0 | 17JUL00A | 09AUG01A |
| 01170 | HUTA Report Preparation | | 0 | 04DEC00A | 31OCT01A |
| 01175 | HUTA Interim Report | | 0 | | 18MAY01A |
| 01180 | HUTA Draft Report | YES | 0 | | 31OCT01A |
| 01190 | HUTA Revise Draft Report | | 62 | 01NOV01A | 06FEB02 |
| 01195 | HUTA Final Report | YES | 0 | | 06FEB02 |
| + Impact Area Targets (Phase 1) | | | | | |
| | | | 0 | 24APR00A | 18APR01A |
| + Mortar Targets | | | | | |
| | | | 0 | 04OCT99A | 16NOV00A |
| High Use Target Area 2 | | | | | |
| 01900 | Prepare Draft Work Plan | | 2 | 01NOV01A | 07NOV01 |
| 01901 | Draft Work Plan | YES | 0 | | 07NOV01 |
| 01902 | Coordinate WP with Regulators | | 3 | 08NOV01 | 12NOV01 |
| Site #1 | | | | | |
| 01903 | Fieldwork | | 49 | 13NOV01 | 25JAN02 |
| 01904 | Lab Analysis/Data Validation | | 40 | 28JAN02 | 25MAR02 |
| 01905 | Prepare Report | | 48 | 28JAN02 | 04APR02 |
| 01906 | Submit Draft Report (w/o analytical) | | 0 | | 25FEB02 |
| 01907 | Submit Draft Report (w/ analytical) | YES | 0 | | 04APR02 |
| 01908 | Revise Draft Report | | 65 | 05APR02 | 08JUL02 |
| 01909 | Submit Final Report | YES | 0 | | 08JUL02 |
| Site #2 | | | | | |
| 01913 | Fieldwork | | 62 | 13NOV01 | 13FEB02 |
| 01914 | Lab Analysis/Data Validation | | 40 | 14FEB02 | 11APR02 |




Project Start 29FEB00
Project Finish 26OCT05
Data Date 06NOV01
Run Date 08NOV01



Early Bar
Progress Bar

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**Figure 7. Revised Combined Schedule for Impact Area GW Study Program as of 11/6/01**

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| Date | Revision | Checked | Approved |
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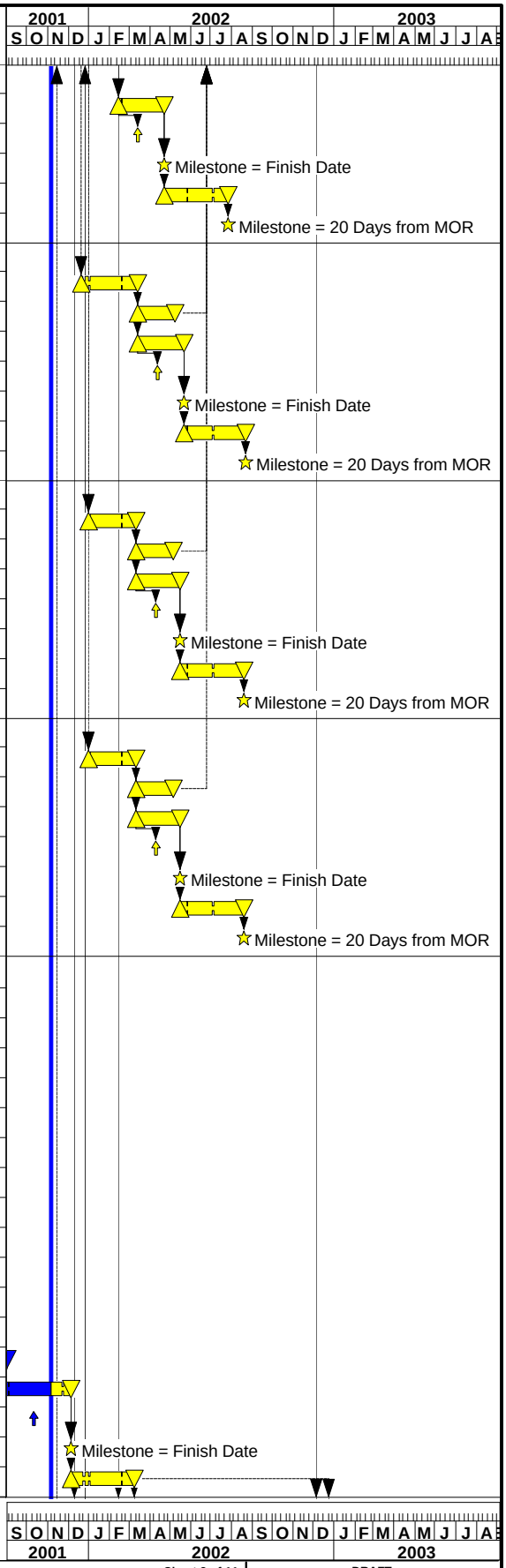
| Activity ID | Activity Description | ENF MILE | REM DUR | Start | Finish |
|---|---|---|---|---|---|
| Site #2 | | | | | |
| 01915 | Prepare Report | | 48 | 14FEB02 | 23APR02 |
| 01916 | Submit Draft Report (w/o analytical) | | 0 | | 14MAR02 |
| 01917 | Submit Draft Report (w/ analytical) | YES | 0 | | 23APR02 |
| 01918 | Revise Draft Report | | 65 | 24APR02 | 25JUL02 |
| 01919 | Submit Final Report | YES | 0 | | 25JUL02 |
| Site #3 | | | | | |
| 01923 | Fieldwork | | 57 | 20DEC01* | 14MAR02 |
| 01924 | Lab Analysis/Data Validation | | 40 | 15MAR02 | 09MAY02 |
| 01925 | Prepare Report | | 48 | 15MAR02 | 21MAY02 |
| 01926 | Submit Draft Report (w/o analytical) | | 0 | | 11APR02 |
| 01927 | Submit Draft Report (w/ analytical) | YES | 0 | | 21MAY02 |
| 01928 | Revise Draft Report | | 65 | 22MAY02 | 22AUG02 |
| 01929 | Submit Final Report | YES | 0 | | 22AUG02 |
| Site #4 | | | | | |
| 01933 | Fieldwork | | 49 | 31DEC01* | 11MAR02 |
| 01934 | Lab Analysis/Data Validation | | 40 | 12MAR02 | 06MAY02 |
| 01935 | Prepare Report | | 48 | 12MAR02 | 16MAY02 |
| 01936 | Submit Draft Report (w/o analytical) | | 0 | | 08APR02 |
| 01937 | Submit Draft Report (w/ analytical) | YES | 0 | | 16MAY02 |
| 01938 | Revise Draft Report | | 65 | 17MAY02 | 19AUG02 |
| 01939 | Submit Final Report | YES | 0 | | 19AUG02 |
| Site #5 | | | | | |
| 01943 | Fieldwork | | 49 | 31DEC01* | 11MAR02 |
| 01944 | Lab Analysis/Data Validation | | 40 | 12MAR02 | 06MAY02 |
| 01945 | Prepare Report | | 48 | 12MAR02 | 16MAY02 |
| 01946 | Submit Draft Report (w/o analytical) | | 0 | | 08APR02 |
| 01947 | Submit Draft Report (w/ analytical) | YES | 0 | | 16MAY02 |
| 01948 | Revise Draft Report | | 65 | 17MAY02 | 19AUG02 |
| 01949 | Submit Final Report | YES | 0 | | 19AUG02 |
| **J-2 Range** | | | | | |
| 00310 | J-2 Range Planning | | 0 | 08FEB00A | 07APR00A |
| 00320 | J-2 Range Draft Workplan | YES | 0 | | 07APR00A |
| 00330 | J-2 Range Rev. Draft Workplan | | 0 | 10APR00A | 01AUG00A |
| 00340 | J-2 Range Final Workplan | | 0 | | 01AUG00A |
| 00350 | J-2 Range Start Data Collection | YES | 0 | 05JUL00A | |
| 00360 | J-2 Range Investigation | | 0 | 05JUL00A | 01DEC00A |
| 00365 | J-2 Range Geophysics Survey | | 0 | 15MAY00A | 28MAR01A |
| 00367 | J-2 Range Geophysics Prsntatn. | | 0 | | 19APR01A |
| 00370 | J-2 Range Report Preparation | | 0 | 16NOV00A | 16MAR01A |
| 00380 | J-2 Range Interim Data Report | YES | 0 | | 16MAR01A |
| 00392 | J-2 Additional Delineation Planning | | 0 | 04DEC00A | 21MAY01A |
| 00393 | Start J-2 Addn'l Delineation | YES | 0 | 11JUL01A | |
| 00394 | J-2 Range Additional Delineation | | 0 | 11JUL01A | 28AUG01A |
| 00395 | J-2 Range Draft Report Prep. | | 18 | 07AUG01A | 03DEC01 |
| 00399 | Scoping Meeting for Draft Report | | 0 | 11OCT01A | |
| 00396 | J-2 Range Draft Report | YES | 0 | | 03DEC01 |
| 00397 | J-2 Range Revise Draft Report | | 65 | 04DEC01 | 08MAR02 |




Project Start 29FEB00
Project Finish 26OCT05
Data Date 06NOV01
Run Date 08NOV01



Early Bar
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**Figure 7. Revised Combined Schedule for Impact Area GW Study Program as of 11/6/01**

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| Date | Revision | Checked | Approved |
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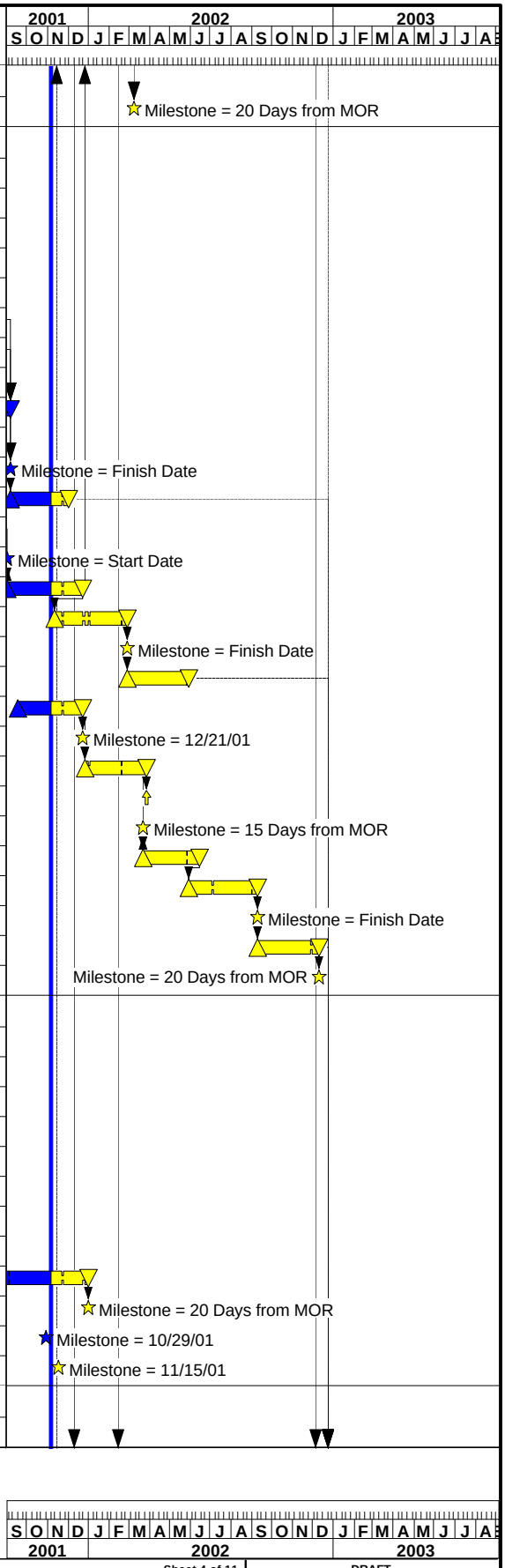
| Activity ID | Activity Description | ENF MILE | REM DUR | Start | Finish |
|---|---|---|---|---|---|
| **J-2 Range** | | | | | |
| 00398 | J-2 Range Final Report | YES | 0 | | 08MAR02 |
| **J-1/J-3 Range** | | | | | |
| 00410 | J-1/J-3 Range Planning | | 0 | 06DEC99A | 21APR00A |
| 00420 | J-1/J-3 Range Draft Workplan | YES | 0 | | 21APR00A |
| 00430 | J-1/J-3 Range Rev. Draft Workplan | | 0 | 24APR00A | 25AUG00A |
| 00440 | J-1/J-3 Range Final Workplan | | 0 | | 25AUG00A |
| 00450 | J-1/J-3 Range Start Data Cllctn | YES | 0 | 26JUL00A | |
| 00460 | J-1/J-3 Range Investigation | | 0 | 26JUL00A | 29JUN01A |
| 00465 | J-1/J-3 Range Geophys. Investigation | | 0 | 15MAY00A | 20MAR01A |
| 00467 | J-1/J-3 Range Geophys. Presentation | | 0 | | 14JUN01A |
| 00470 | J-1/J-3 Range Report Preparation | | 0 | 22JAN01A | 05SEP01A |
| 00475 | J-1/J-3/L Range Interim Results Report | YES | 0 | | 30MAR01A |
| 00480 | J-1/J-3 Range Draft Report | YES | 0 | | 05SEP01A |
| 00490 | J-1/J-3 Range Rev. Draft Report | | 17 | 05SEP01A | 30NOV01 |
| 00492 | Additional Delineation Workplan #1 | | 0 | 26APR01A | 08AUG01A |
| 00493 | Start J-1/J-3/L Addn'l Delineation | YES | 0 | 30AUG01A | |
| 00494 | Additional Delineation Investigation | | 32 | 30AUG01A | 21DEC01 |
| 00495 | Additional Delineation Report Prep. | | 70 | 12NOV01 | 25FEB02 |
| 00496 | Additional Delineation Draft Report | YES | 0 | | 25FEB02 |
| 00497 | Additional Delineation Rev. Draft Report | | 65 | 26FEB02 | 28MAY02 |
| 00479 | Prepare ADWP #2 | | 32 | 17SEP01A | 21DEC01 |
| 00481 | Additional Delineation Workplan #2 | YES | 0 | | 21DEC01 |
| 00482 | Revise Draft ADWP #2 | | 65 | 26DEC01 | 28MAR02 |
| 00483 | Submit Final ADWP #2 | | 0 | | 28MAR02 |
| 00484 | Start J-1/J-3/L Addn'l Delineation | YES | 0 | 22MAR02 | |
| 00485 | Additional Delineation Investigation | | 60 | 22MAR02 | 14JUN02 |
| 00486 | J1/J3/L Range Draft Final Rep. Prep. | | 70 | 31MAY02 | 09SEP02 |
| 00487 | J1/J3/L Range Draft Final Report | YES | 0 | | 09SEP02 |
| 00488 | Revise J1/J3/L Range Draft Final Rep. | | 65 | 10SEP02 | 10DEC02 |
| 00489 | J1/J3/L Range Final Report | YES | 0 | | 10DEC02 |
| **Gun/Mortar Positions** | | | | | |
| 00510 | Gun/Mortar Investigation | | 0 | 30AUG99A | 17APR00A |
| 00515 | Gun/Mortar Geophys. Presentation | | 0 | | 23MAR00A |
| 00520 | Gun/Mortar Report Preparation | | 0 | 24MAR00A | 07JUL00A |
| 00530 | Gun/Mortar Draft Report | YES | 0 | | 07JUL00A |
| 00540 | Gun/Mortar Report MOR | | 0 | 10JUL00A | 16NOV00A |
| 00542 | Gun/Mortar Establish COCs | | 0 | 16FEB01A | 06JUN01A |
| 00546 | Gun/Mortar Prepare Draft Final Report | | 0 | 06JUN01A | 01AUG01A |
| 00548 | Gun/Mortar Draft Final Report | YES | 0 | | 01AUG01A |
| 00549 | Gun/Mortar Rev. Draft Final | | 36 | 01AUG01A | 31DEC01 |
| 00550 | Gun/Mortar Final Report | YES | 0 | | 31DEC01 |
| 00552 | Submit Revised Draft Report | YES | 0 | | 29OCT01A |
| 00562 | Submit G/M Del. Sampling WP for | YES | 0 | | 15NOV01 |
| **+ Trenches, Bunkers, Ground Scars** | | | | | |
| | | | 0 | 04OCT99A | 18SEP00A |




Project Start 29FEB00
Project Finish 26OCT05
Data Date 06NOV01
Run Date 08NOV01

Early Bar
Progress Bar



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**Figure 7. Revised Combined Schedule for Impact Area GW Study Program as of 11/6/01**

| DRAFT | | | |
|---|---|---|---|
| Date | Revision | Checked | Approved |
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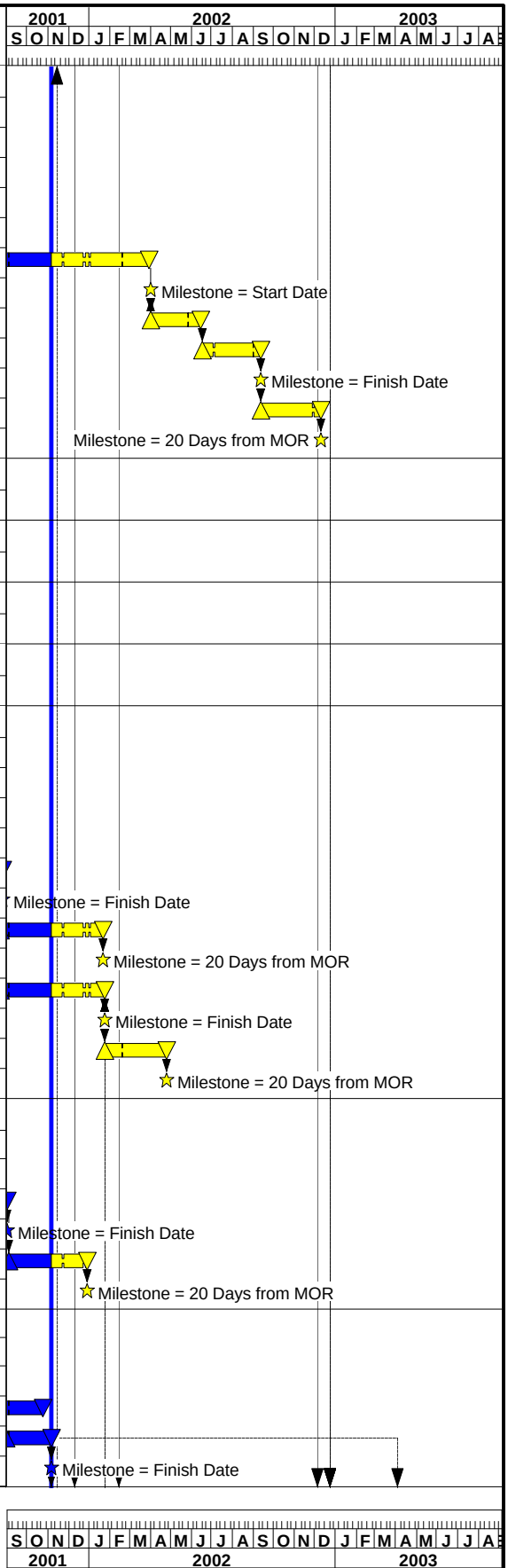
| Activity ID | Activity Description | ENF MILE | REM DUR | Start | Finish |
|---|---|---|---|---|---|
| **Training Areas** | | | | | |
| 00810 | Training Areas Planning | | 0 | 01APR99A | 22JUL99A |
| 00820 | Training Areas Draft Workplan | | 0 | | 22JUL99A |
| 00830 | Training Areas Rev. Draft Workplan | | 0 | 23JUL99A | 23MAR00A |
| 00840 | Training Areas Final Workplan | YES | 0 | | 23MAR00A |
| 00850 | Training Areas Start Data Cllctn | YES | 0 | 20MAR00A | |
| 00860 | Training Areas Background | | 98 | 20MAR00A | 29MAR02 |
| 00862 | Start Training Areas Fieldwork | YES | 0 | 01APR02 | |
| 00864 | Training Areas Fieldwork | | 54 | 01APR02 | 14JUN02 |
| 00870 | Training Areas Report Preparation | | 60 | 17JUN02 | 10SEP02 |
| 00880 | Submit Training Areas Draft Report | YES | 0 | | 10SEP02 |
| 00890 | Training Areas Rev. Draft Report | | 65 | 11SEP02 | 11DEC02 |
| 00895 | Training Areas Final Report | YES | 0 | | 11DEC02 |
| **+ KD/U Ranges** | | | | | |
| | | | 0 | 10MAY99A | 16JUN00A |
| **+ J-3 Wetland** | | | | | |
| | | | 0 | 15APR99A | 20JUL00A |
| **+ Water Bodies** | | | | | |
| | | | 0 | 19NOV99A | 13JUL00A |
| **+ Slit Trench** | | | | | |
| | | | 0 | 01MAY00A | 27JUL00A |
| **Phase II(b)** | | | | | |
| 01500 | Phase II(b) Draft Workplans | | 0 | 01JUN00A | 31AUG00A |
| 01510 | Revise Draft Workplans | | 0 | 01SEP00A | 16NOV00A |
| 01520 | Phase II(b) Final Workplans | | 0 | | 17NOV00A |
| 01530 | Phase II(b) Investigations | | 0 | 15JAN01A | 01AUG01A |
| 01540 | Phase II(b) Report Preparation | | 0 | 29MAY01A | 20AUG01A |
| 01550 | Phase II(b) Draft Report | YES | 0 | | 20AUG01A |
| 01560 | Revise Draft Report | | 50 | 20AUG01A | 21JAN02 |
| 01570 | Phase II(b) Final Report | YES | 0 | | 21JAN02 |
| 01572 | Former A/K/Demo 2 Report Preparation | | 52 | 20AUG01A | 23JAN02 |
| 01574 | Former A/K/Demo 2 Draft Report | YES | 0 | | 23JAN02 |
| 01576 | Revise Draft Report | | 65 | 24JAN02 | 25APR02 |
| 01578 | Former A/K/Demo 2 Final Report | YES | 0 | | 25APR02 |
| **Munition Survey Project** | | | | | |
| MSP Phase I | | | | | |
| 01610 | Submit MSP Phase I Draft Report | YES | 0 | | 30OCT00A |
| 01615 | Revise MSP Phase I Draft Report | | 0 | 01NOV00A | 31AUG01A |
| 01620 | Submit Revised MSP Phase I Draft | YES | 0 | | 31AUG01A |
| 01625 | Revise Revised MSP Phase I Draft | | 34 | 04SEP01A | 27DEC01 |
| 01630 | Submit MSP Phase I Final Report | YES | 0 | | 27DEC01 |
| MSP Phase II | | | | | |
| AirMag Target Lists | | | | | |
| 01701 | Start Fieldwork | YES | 0 | 26JUN01A | |
| 01703 | Fieldwork | | 0 | 26JUN01A | 22OCT01A |
| 01705 | Prepare Report | | 0 | 28AUG01A | 05NOV01A |
| 01707 | Submit Draft Report | YES | 0 | | 05NOV01A |




Project Start 29FEB00
Project Finish 26OCT05
Data Date 06NOV01
Run Date 08NOV01

Early Bar
Progress Bar



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**Figure 7. Revised Combined Schedule for Impact Area GW Study Program as of 11/6/01**

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| Date | Revision | Checked | Approved |
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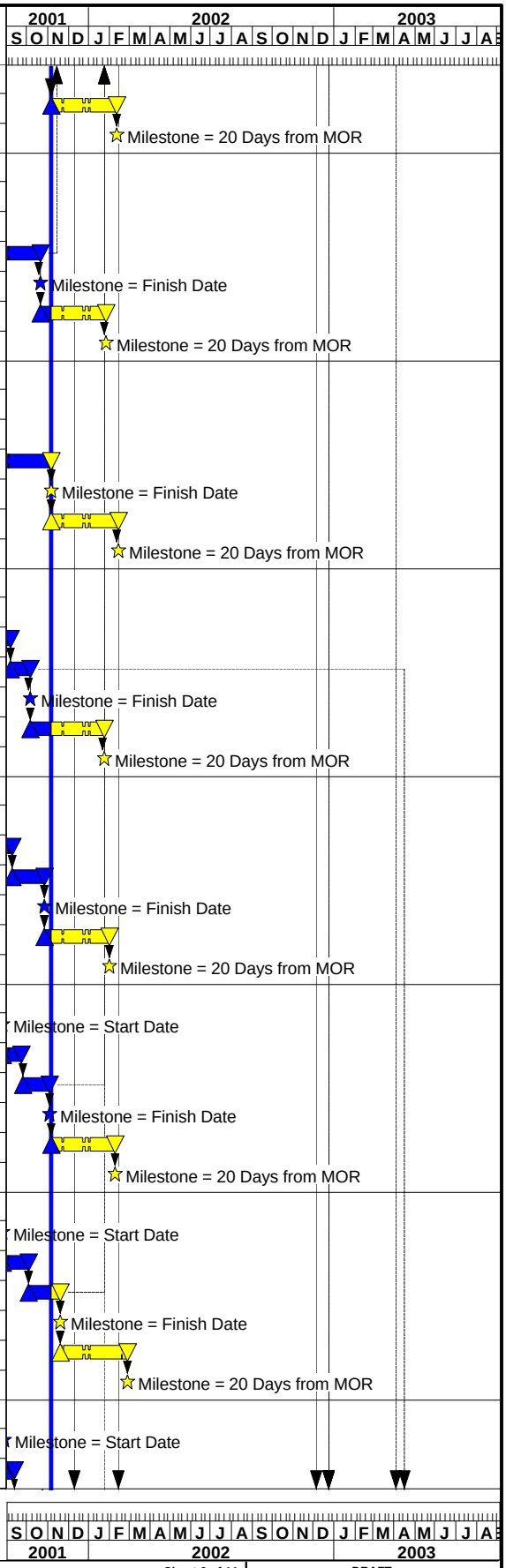
| Activity ID | Activity Description | ENF MILE | REM DUR | Start | Finish |
|---|---|---|---|---|---|
| AirMag Target Lists | | | | | |
| 01708 | Revise Draft Report | | 65 | 06NOV01A | 11FEB02 |
| 01709 | Submit Final Report | YES | 0 | | 11FEB02 |
| Demo 1 Validation | | | | | |
| 01711 | Start Fieldwork | YES | 0 | 10JUL01A | |
| 01713 | Fieldwork | | 0 | 10JUL01A | 24JUL01A |
| 01715 | Prepare Report | | 0 | 25JUL01A | 19OCT01A |
| 01717 | Submit Draft Report | YES | 0 | | 19OCT01A |
| 01718 | Revise Draft Report | | 54 | 22OCT01A | 25JAN02 |
| 01719 | Submit Final Report | YES | 0 | | 25JAN02 |
| Slit Trench Validation | | | | | |
| 01721 | Start Fieldwork | YES | 0 | 30JUL01A | |
| 01723 | Fieldwork | | 0 | 30JUL01A | 09AUG01A |
| 01725 | Prepare Report | | 1 | 10AUG01A | 06NOV01 |
| 01727 | Submit Draft Report | YES | 0 | | 06NOV01 |
| 01728 | Revise Draft Report | | 65 | 07NOV01 | 12FEB02 |
| 01729 | Submit Final Report | YES | 0 | | 12FEB02 |
| J1 Range Vehicle Removal | | | | | |
| 01731 | Start Fieldwork | YES | 0 | 13AUG01A | |
| 01733 | Fieldwork | | 0 | 13AUG01A | 04SEP01A |
| 01735 | Prepare Report | | 0 | 05SEP01A | 03OCT01A |
| 01737 | Submit Draft Report | YES | 0 | | 03OCT01A |
| 01738 | Revise Draft Report | | 51 | 04OCT01A | 22JAN02 |
| 01739 | Submit Final Report | YES | 0 | | 22JAN02 |
| ASP Geophysics | | | | | |
| 01741 | Start Fieldwork | YES | 0 | 14AUG01A | |
| 01743 | Fieldwork | | 0 | 14AUG01A | 07SEP01A |
| 01745 | Prepare Report | | 0 | 10SEP01A | 25OCT01A |
| 01747 | Submit Draft Report | YES | 0 | | 25OCT01A |
| 01748 | Revise Draft Report | | 58 | 26OCT01A | 31JAN02 |
| 01749 | Submit Final Report | YES | 0 | | 31JAN02 |
| Former K Range | | | | | |
| 01751 | Start Fieldwork | YES | 0 | 21AUG01A | |
| 01753 | Fieldwork | | 0 | 21AUG01A | 21SEP01A |
| 01755 | Prepare Report | | 0 | 24SEP01A | 02NOV01A |
| 01757 | Submit Draft Report | YES | 0 | | 02NOV01A |
| 01758 | Revise Draft Report | | 64 | 05NOV01A | 08FEB02 |
| 01759 | Submit Final Report | YES | 0 | | 08FEB02 |
| Former A Range | | | | | |
| 01761 | Start Fieldwork | YES | 0 | 22AUG01A | |
| 01763 | Fieldwork | | 0 | 22AUG01A | 01OCT01A |
| 01765 | Prepare Report | | 10 | 02OCT01A | 19NOV01 |
| 01767 | Submit Draft Report | YES | 0 | | 19NOV01 |
| 01768 | Revise Draft Report | | 65 | 20NOV01 | 26FEB02 |
| 01769 | Submit Final Report | YES | 0 | | 26FEB02 |
| Succonsette Pond | | | | | |
| 01771 | Start Fieldwork | YES | 0 | 24AUG01A | |
| 01773 | Fieldwork | | 0 | 24AUG01A | 11SEP01A |




Project Start 29FEB00
Project Finish 26OCT05
Data Date 06NOV01
Run Date 08NOV01

Early Bar
Progress Bar



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**Figure 7. Revised Combined Schedule for Impact Area GW Study Program as of 11/6/01**

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| Date | Revision | Checked | Approved |
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| Activity ID | Activity Description | ENF MILE | REM DUR | Start | Finish |
|---|---|---|---|---|---|
| Succonsette Pond | | | | | |
| 01775 | Prepare Report | | 0 | 12SEP01A | 23OCT01A |
| 01777 | Submit Draft Report | YES | 0 | | 23OCT01A |
| 01778 | Revise Draft Report | | 56 | 24OCT01A | 29JAN02 |
| 01779 | Submit Final Report | YES | 0 | | 29JAN02 |
| Demo Area 2 | | | | | |
| 01781 | Start Fieldwork | YES | 0 | 06SEP01A | |
| 01783 | Fieldwork | | 0 | 06SEP01A | 05NOV01A |
| 01785 | Prepare Report | | 20 | 06NOV01A | 05DEC01 |
| 01787 | Submit Draft Report | YES | 0 | | 05DEC01 |
| 01788 | Revise Draft Report | | 65 | 06DEC01 | 12MAR02 |
| 01789 | Submit Final Report | YES | 0 | | 12MAR02 |
| CIA MSP Sites #1 and #2 | | | | | |
| 01794 | Complete Fieldwork | YES | 0 | | 08APR02 |
| 01795 | Prepare Report | | 47 | 09APR02 | 13JUN02 |
| 01797 | Submit Draft Report | YES | 0 | | 13JUN02 |
| 01798 | Revise Draft Report | | 65 | 14JUN02 | 16SEP02 |
| 01799 | Submit Final Report | YES | 0 | | 16SEP02 |
| **+ Fate and Transport Modeling** | | | | | |
| | | | 0 | 01JAN99A | 19DEC00A |
| **+ Groundwater Monitoring Programs** | | | | | |
| | | | 36 | 01SEP97A | 31DEC01 |
| **+ Analytical Methods** | | | | | |
| | | | 0 | 05NOV98A | 26JUN00A |
| **+ Reports** | | | | | |
| | | | 0 | 01SEP99A | 31OCT01A |
| **Rapid Response Actions (AO3)** | | | | | |
| **+ Group 1 (KD, J-3, GP-16, APC)** | | | | | |
| | | | 0 | 31JAN00A | 30APR01A |
| **+ Group 2 (Target 9)** | | | | | |
| | | | 0 | 16JAN01A | 10AUG01A |
| **Group 2 (Former H)** | | | | | |
| 11355 | Contaminant Delineation and | YES | 0 | | 16OCT01A |
| 11370 | Site Char. of Military Features Complete | YES | 0 | | 30NOV01 |
| 11380 | Submit Draft Military Features Report | YES | 0 | | 28DEC01 |
| 11390 | Site Char. of MW-157 Area Complete | YES | 0 | | 14NOV01 |
| 11400 | Submit Draft MW-157 Area Report | YES | 0 | | 12DEC01 |
| **Feasibility Studies (AO3)** | | | | | |
| **+ FS Workplan** | | | | | |
| | | | 0 | 14FEB00A | 15FEB01A |
| **Demo Area 1** | | | | | |
| Soil Operable Unit | | | | | |
| 21170 | FS Screening Report Preparation | | 0 | 19MAR01A | 21JUN01A |
| 21180 | Draft FS Screening Report | YES | 0 | | 21JUN01A |
| 21190 | Revise Draft FS Screening Report | | 60 | 22JUN01A | 12FEB02 |
| 21191 | Coordination Meeting | | 1 | 13FEB02 | 13FEB02 |

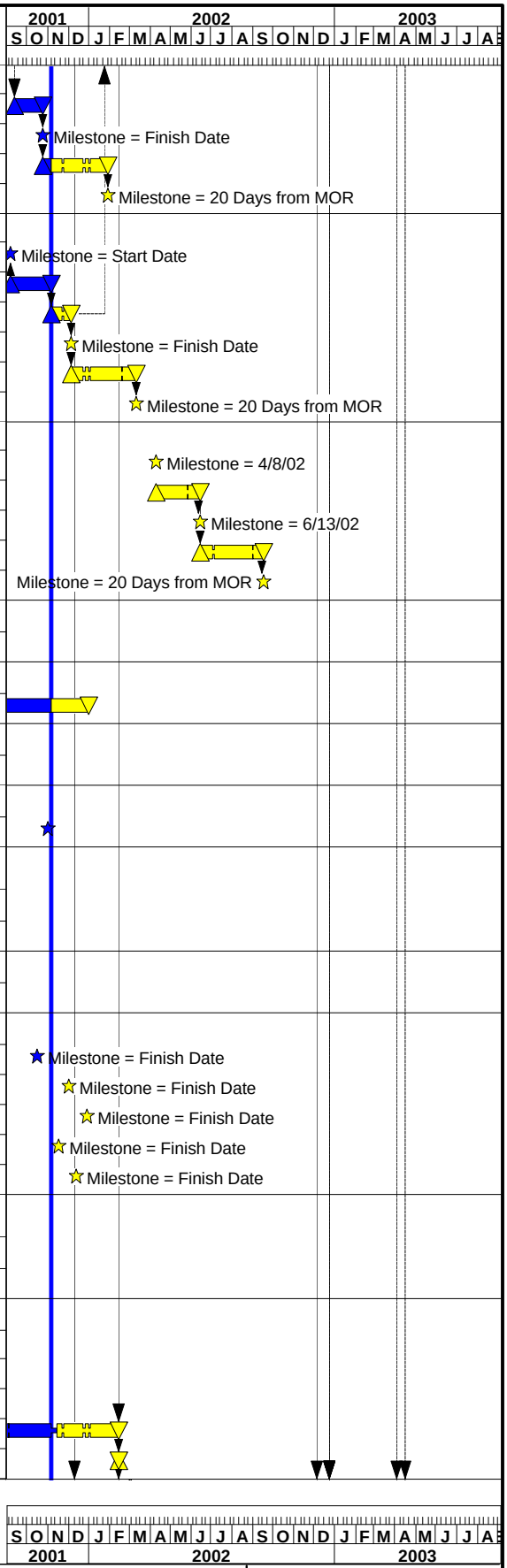


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**Figure 7. Revised Combined Schedule for Impact Area GW Study Program as of 11/6/01**

| Activity ID | Activity Description | ENF MILE | REM DUR | Start | Finish |
|---|---|---|---|---|---|
| Soil Operable Unit | | | | | |
| 21192 | Final Revisions Demo 1 FSSR | | 11 | 14FEB02 | 01MAR02 |
| 21193 | Submit Draft Final Demo 1 FSSR | YES | 0 | | 01MAR02 |
| 21194 | Agency Review & Comment | | 11 | 04MAR02 | 18MAR02 |
| 21195 | Guard Prepare/Submit RCL | | 5 | 19MAR02 | 25MAR02 |
| 21196 | Resolution Meeting (if needed) | | 1 | 28MAR02 | 28MAR02 |
| 21197 | Guard Prepare/Submit MOR (if needed) | | 6 | 29MAR02 | 05APR02 |
| 21198 | EPA Approve MOR (if needed) | | 5 | 08APR02 | 12APR02 |
| 21199 | Guard Prepare Final FSSR (if needed) | | 20 | 15APR02 | 10MAY02 |
| 21200 | Final FS Screening Report | YES | 0 | | 10MAY02 |
| 21210 | Post-Screening Invest. Workplan Prep. | | 20 | 11DEC01 | 10JAN02 |
| 21220 | Draft Post-Screening Invest. Workplan | YES | 0 | | 10JAN02 |
| 21230 | Revise Draft PSI Workplan | | 65 | 11JAN02 | 12APR02 |
| 21240 | Final Post-Screening Workplan | | 0 | | 12APR02 |
| 21250 | Start Post-Screening Investigation | YES | 0 | 18MAR02 | |
| 21260 | Post-Screening Investigation | | 80 | 18MAR02 | 09JUL02 |
| 21270 | FS Scoping Meeting | | 1 | 18JUN02 | 18JUN02 |
| 21310 | FS Preparation | | 40 | 10JUL02 | 04SEP02 |
| 21320 | Draft FS | YES | 0 | | 04SEP02 |
| 21330 | Revise Draft FS | | 65 | 05SEP02 | 05DEC02 |
| 21340 | Final FS | YES | 0 | | 05DEC02 |
| Groundwater Operable Unit | | | | | |
| 21510 | FS Screening Report Preparation | | 0 | 06DEC00A | 31JAN01A |
| 21520 | Draft FS Screening Report | YES | 0 | | 31JAN01A |
| 21530 | Revise Draft FS Screening Report | | 0 | 01FEB01A | 05JUN01A |
| 21540 | Final FS Screening Report | YES | 0 | | 05JUN01A |
| 21610 | ITE Treatability Studies | | 0 | 21MAR01A | 13AUG01A |
| 21650 | FS Preparation | | 0 | 31JUL01A | 01OCT01A |
| 21660 | Draft FS | YES | 0 | | 01OCT01A |
| 21670 | Revise Draft FS | | 60 | 02OCT01A | 04FEB02 |
| 21680 | Final FS | YES | 0 | | 04FEB02 |
| **Central Impact Area** | | | | | |
| Soil Operable Unit | | | | | |
| 22110 | FS Screening Report Preparation | | 60 | 12SEP02 | 05DEC02 |
| 22112 | Scoping Meeting for FSSR | | 1 | 11SEP02 | 11SEP02 |
| 22120 | Draft FS Screening Report | YES | 0 | | 05DEC02 |
| 22130 | Revise Draft FS Screening Report | | 65 | 06DEC02 | 11MAR03 |
| 22140 | Final FS Screening Report | YES | 0 | | 11MAR03 |
| 22150 | Post-Screening Invest. Workplan Prep. | | 22 | 05MAR03 | 03APR03 |
| 22160 | Draft Post-Screening Invest. Workplan | YES | 0 | | 03APR03 |
| 22170 | Revise Draft PSI Workplan | | 65 | 04APR03 | 07JUL03 |
| 22180 | Final Post-Screening Workplan | | 0 | | 07JUL03 |
| 22190 | Start Post-Screening Investigation | YES | 0 | 09JUN03 | |
| 22200 | Post-Screening Investigation | | 80 | 09JUN03 | 30SEP03 |
| 22202 | FS Scoping Meeting | | 1 | 10SEP03 | 10SEP03 |
| 22210 | FS Preparation | | 40 | 01OCT03 | 25NOV03 |
| 22220 | Draft FS | YES | 0 | | 25NOV03 |
| 22230 | Revise Draft FS | | 65 | 26NOV03 | 01MAR04 |

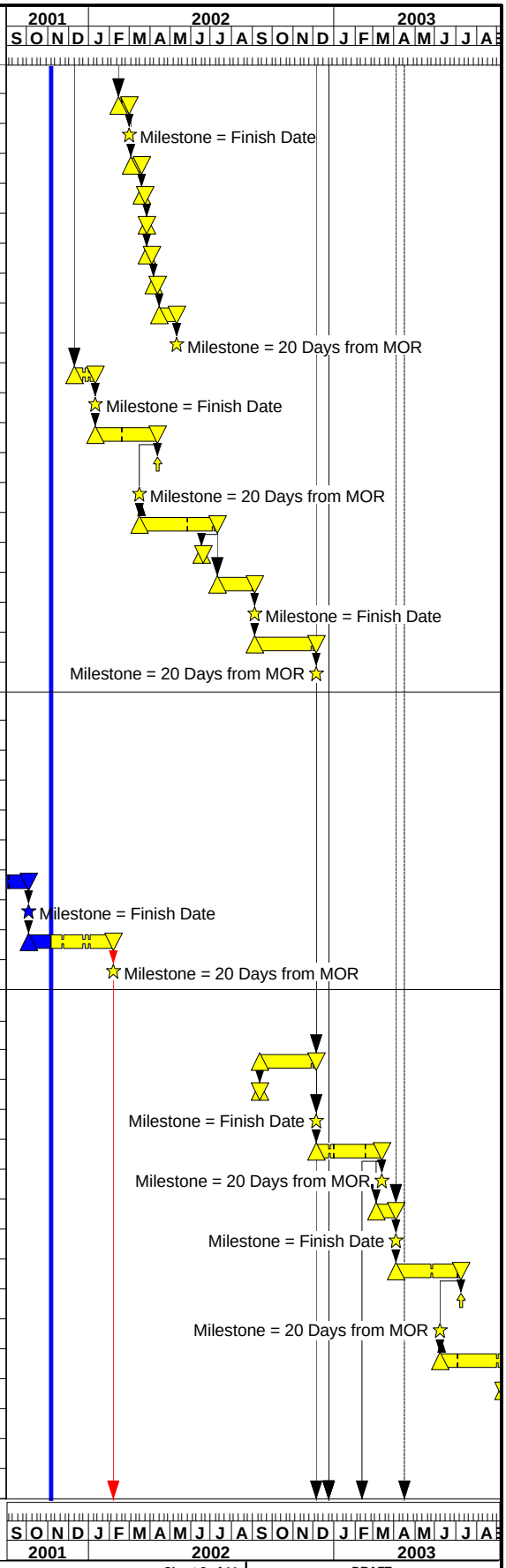


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**Figure 7. Revised Combined Schedule for Impact Area GW Study Program as of 11/6/01**

| Activity ID | Activity Description | ENF MILE | REM DUR | Start | Finish |
|---|---|---|---|---|---|
| Soil Operable Unit | | | | | |
| 22240 | Final FS | YES | 0 | | 01MAR04 |
| 22250 | (Draft FS if no PSI) | | 40 | 11FEB03 | 08APR03 |
| 22260 | (Final FS if no PSI) | | 65 | 09APR03 | 10JUL03 |
| Groundwater Operable Unit | | | | | |
| 22300 | FS Screening Report Preparation | | 0 | 19APR01A | 14JUN01A |
| 22310 | Draft FS Screening Report | YES | 0 | | 14JUN01A |
| 22320 | Revise Draft FS Screening Report | | 0 | 14JUN01A | 05SEP01A |
| 22340 | Post-Screening Invest. Workplan Prep. | | 0 | 04SEP01A | 01OCT01A |
| 22350 | Draft Post-Screening Invest. Workplan | YES | 0 | | 01OCT01A |
| 22360 | Revise Draft PSI Workplan | | 23 | 02OCT01A | 10DEC01 |
| 22370 | Final Post-Screening Workplan | | 0 | | 10DEC01 |
| 22380 | Start Post-Screening Investigation | YES | 0 | 21SEP01A | |
| 22390 | Post-Screening Investigation | | 54 | 21SEP01A | 25JAN02 |
| 22391 | FS Scoping Meeting | | 1 | 07JAN02 | 07JAN02 |
| 22392 | Draft Pump Test Report | | 0 | | 25JAN02 |
| 22394 | Review/Approve Pump Test Report | | 15 | 28JAN02 | 15FEB02 |
| 22400 | FS Preparation | | 69 | 19FEB02 | 24MAY02 |
| 22410 | Draft FS | YES | 0 | | 24MAY02 |
| 22420 | Revise Draft FS | | 65 | 28MAY02 | 27AUG02 |
| 22430 | Final FS | YES | 0 | | 27AUG02 |
| **SE Corner of Ranges** | | | | | |
| 23110 | FS Screening Report Preparation | | 40 | 29OCT02 | 24DEC02 |
| 23120 | Draft FS Screening Report | YES | 0 | | 24DEC02 |
| 23130 | Revise Draft FS Screening Report | | 60 | 26DEC02 | 21MAR03 |
| 23140 | Final FS Screening Report | YES | 0 | | 21MAR03 |
| 23150 | Post-Screening Invest. Workplan Prep. | | 22 | 17MAR03 | 15APR03 |
| 23160 | Draft Post-Screening Invest. Workplan | YES | 0 | | 15APR03 |
| 23170 | Revise Draft PSI Workplan | | 60 | 16APR03 | 10JUL03 |
| 23180 | Final Post-Screening Workplan | | 0 | | 10JUL03 |
| 23190 | Start Post-Screening Investigation | YES | 0 | 03JUL03 | |
| 23200 | Post-Screening Investigation | | 80 | 03JUL03 | 24OCT03 |
| 23202 | FS Scoping Meeting | | 1 | 06OCT03 | 06OCT03 |
| 23210 | FS Preparation | | 40 | 27OCT03 | 22DEC03 |
| 23220 | Draft FS | YES | 0 | | 22DEC03 |
| 23230 | Revise Draft FS | | 60 | 23DEC03 | 18MAR04 |
| 23240 | Final FS | YES | 0 | | 18MAR04 |
| 23250 | (Draft FS if no PSI) | | 40 | 24FEB03 | 18APR03 |
| 23260 | (Final FS if no PSI) | | 65 | 21APR03 | 22JUL03 |
| **UXO** | | | | | |
| UXO Operable Unit | | | | | |
| 24110 | FS Screening Report Preparation | | 0 | 20NOV00A | 20MAR01A |
| 24120 | Draft FS Screening Report | YES | 0 | | 20MAR01A |
| 24130 | Revise Draft FS Screening Report | | 107 | 21MAR01A | 11APR02 |
| 24140 | Final FS Screening Report | YES | 0 | | 18APR02 |

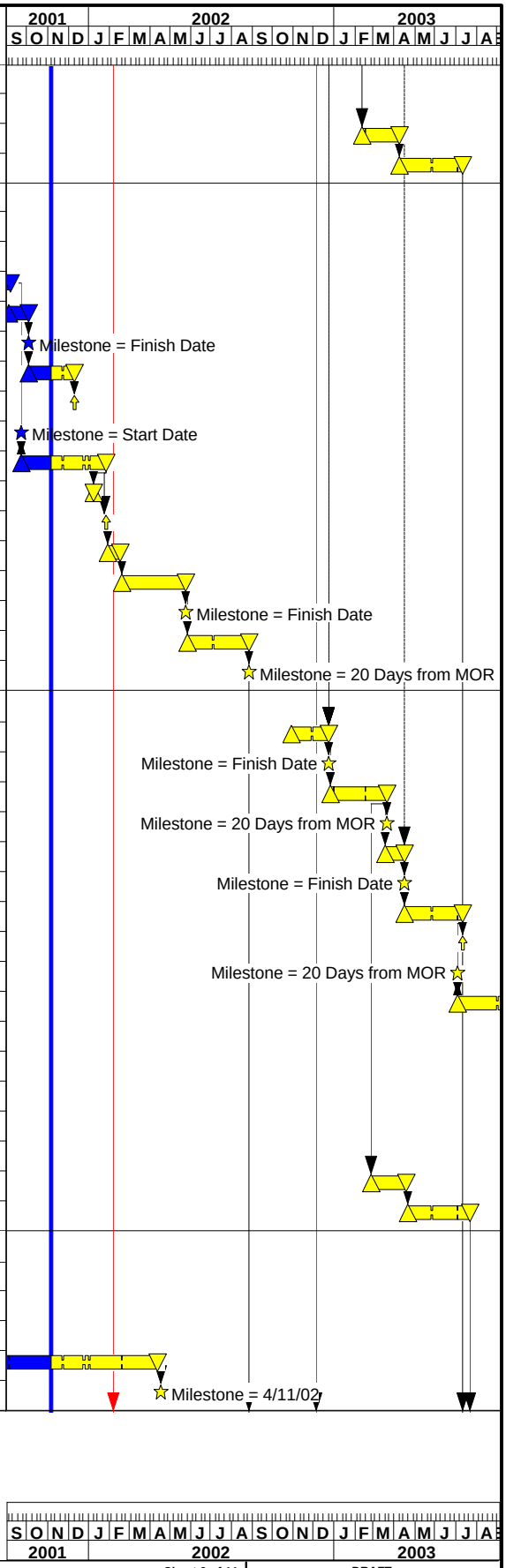


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**Figure 7. Revised Combined Schedule for Impact Area GW Study Program as of 11/6/01**

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| Activity ID | Activity Description | ENF MILE | REM DUR | Start | Finish |
|---|---|---|---|---|---|
| **Remedy Selection (AO3)** | | | | | |
| **Demo Area 1** | | | | | |
| Soil Operable Unit | | | | | |
| 31105 | Soil RS Plan Scoping Meeting | | 1 | 10OCT02 | 10OCT02 |
| 31110 | Prepare Draft Remedy Selection Plan | | 40 | 10OCT02 | 05DEC02 |
| 31120 | Revise Draft Remedy Selection Plan | | 65 | 06DEC02 | 11MAR03 |
| 31130 | Remedy Selection Plan | | 0 | | 11MAR03 |
| 31140 | Public Comment Period | | 21 | 12MAR03 | 09APR03 |
| 31150 | Draft Decision Doc/ Response | | 44 | 10APR03 | 11JUN03 |
| 31160 | Revise Draft DD/RS | | 65 | 12JUN03 | 12SEP03 |
| 31170 | Final Decision Doc/ Response | | 0 | | 12SEP03 |
| Groundwater Operable Unit | | | | | |
| 31505 | GW RS Plan Scoping Meeting | | 1 | 06DEC01* | 06DEC01 |
| 31510 | Prepare Draft Remedy Selection Plan | | 40 | 06DEC01 | 04FEB02 |
| 31520 | Revise Draft Remedy Selection Plan | | 65 | 05FEB02 | 07MAY02 |
| 31530 | Remedy Selection Plan | | 0 | | 07MAY02 |
| 31540 | Public Comment Period | | 21 | 08MAY02 | 06JUN02 |
| 31550 | Draft Decision Doc/ Response | | 44 | 07JUN02 | 08AUG02 |
| 31560 | Revise Draft DD/RS | | 65 | 09AUG02 | 08NOV02 |
| 31570 | Final Decision Doc/ Response | | 0 | | 08NOV02 |
| **Central Impact Area** | | | | | |
| Soil Operable Unit (if no PSI) | | | | | |
| 32105 | Soil RS Plan Scoping Meeting | | 1 | 14MAY03 | 14MAY03 |
| 32110 | Prepare Draft Remedy Selection Plan | | 40 | 14MAY03 | 10JUL03 |
| 32120 | Revise Draft Remedy Selection Plan | | 65 | 11JUL03 | 10OCT03 |
| 32130 | Remedy Selection Plan | | 0 | | 10OCT03 |
| 32140 | Public Comment Period | | 21 | 13OCT03 | 10NOV03 |
| 32150 | Draft Decision Doc/ Response | | 44 | 11NOV03 | 14JAN04 |
| 32160 | Revise Draft DD/RS | | 65 | 15JAN04 | 15APR04 |
| 32170 | Final Decision Doc/ Response | | 0 | | 15APR04 |
| Groundwater Operable Unit | | | | | |
| 32505 | GW RS Plan Scoping Meeting | | 1 | 02JUL02 | 02JUL02 |
| 32510 | Prepare Draft Remedy Selection Plan | | 40 | 02JUL02 | 27AUG02 |
| 32520 | Revise Draft Remedy Selection Plan | | 65 | 28AUG02 | 27NOV02 |
| 32530 | Remedy Selection Plan | | 0 | | 27NOV02 |
| 32540 | Public Comment Period | | 21 | 29NOV02 | 30DEC02 |
| 32550 | Draft Decision Doc/ Response | | 44 | 31DEC02 | 04MAR03 |
| 32560 | Revise Draft DD/RS | | 65 | 05MAR03 | 04JUN03 |
| 32570 | Final Decision Doc/ Response | | 0 | | 04JUN03 |
| **SE Corner of Ranges (if no PSI)** | | | | | |
| 33105 | RS Plan Scoping Meeting | | 1 | 27MAY03 | 27MAY03 |
| 33110 | Prepare Draft Remedy Selection Plan | | 40 | 27MAY03 | 22JUL03 |
| 33120 | Revise Draft Remedy Selection Plan | | 65 | 23JUL03 | 22OCT03 |
| 33130 | Remedy Selection Plan | | 0 | | 22OCT03 |
| 33140 | Public Comment Period | | 21 | 23OCT03 | 20NOV03 |
| 33150 | Draft Decision Doc/ Response | | 44 | 21NOV03 | 26JAN04 |
| 33160 | Revise Draft DD/RS | | 65 | 27JAN04 | 27APR04 |

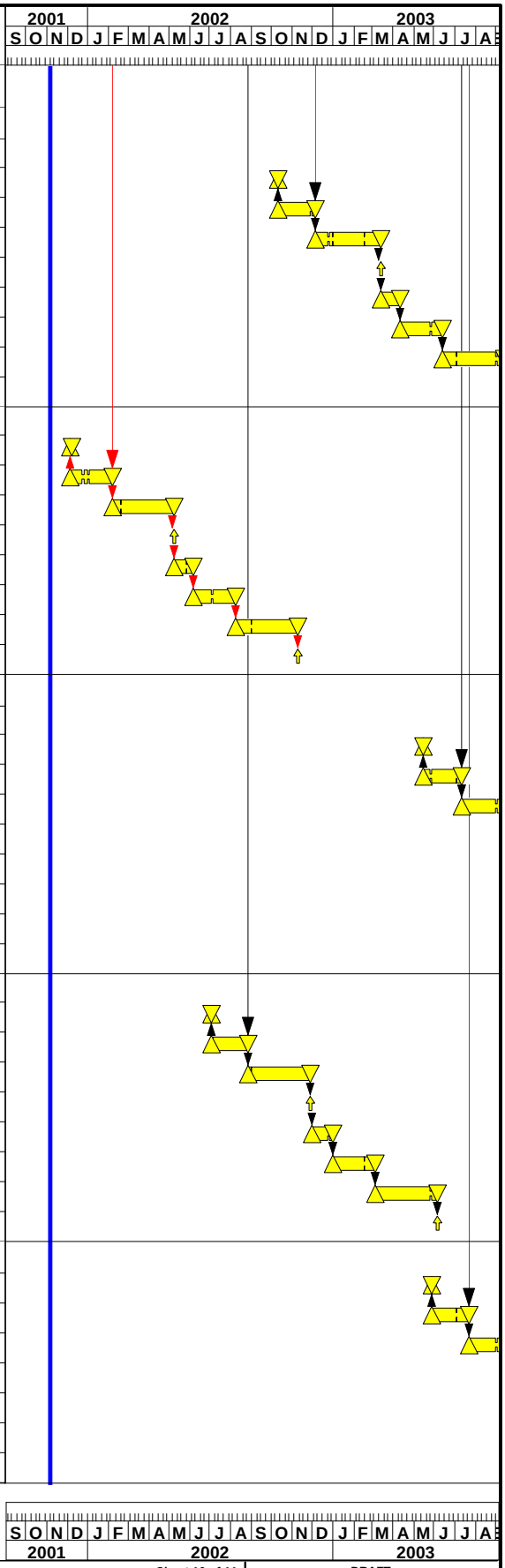


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**Figure 7. Revised Combined Schedule for Impact Area GW Study Program as of 11/6/01**

| Activity ID | Activity Description | ENF MILE | REM DUR | Start | Finish |
|---|---|---|---|---|---|
| **SE Corner of Ranges (if no PSI)** | | | | | |
| 33170 | Final Decision Doc/ Response | | 0 | | 27APR04 |

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**Figure 7. Revised Combined Schedule for Impact Area GW Study Program as of 11/6/01**

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