MONTHLY PROGRESS REPORT #51
FOR JUNE 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 June 1 to June 30, 2001. Scheduled actions are for the six-week period ending August 11, 2001.

1. SUMMARY OF ACTIONS TAKEN

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

Table 1. Drilling progress for June 2001

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-172	Demo 1 Area well (D1P-5)	314	204	125-135 150-160 218-223
MW-173	Demo 1 Area well (D1P-6)	340	207	188-198 208-218 243-253
MW-174	Old D Range Well (SAR-1)			

bgs = below ground surface
bwt = below water table

Completed well installation on MW-172 (D1P-5) and MW-173 (D1P-6). Set-up drill rig at MW-174 (SAR-1). Continued development of newly installed wells.

Samples collected during the reporting period are summarized in Table 2. Groundwater profile samples were collected for MW-172 and MW-173. Groundwater samples were collected for the May 2001 Long Term Monitoring and the first through fourth rounds of newly installed wells. Raccoon Lane well, 90PZ0211, was also sampled. Split samples were collected of surface water samples at the Snake Pond public and Camp GoodNews beaches. Surface water samples were also collected from the north cove of Snake Pond. Split samples were collected of Snake Pond drive points and Sandwich-area residential wells. A base-wide synoptic water level round was conducted. Water samples were collected from the GAC system and the RRA Containment Pad. Soil samples were collected of residual cuttings at the newly installed well locations. As part of the Rapid Response Action, post-detonation samples were collected at Mortar Target 9. Additional delineation soil sampling was also completed at Mortar Target 9.

Pre- and post-detonation soil samples were collected in the HUTA. As part of the HUTA investigation, soil and wipe samples were collected from UXO and debris in Test Pit 3 and from UXORM and debris in Test Pit 5. Soil samples were also collected in the Test Pit 3 area and from the bed of Test Pit 3 beneath UXO.

The Guard, EPA, and MADEP had a meeting on June 7 to discuss technical issues, including the following:

MW-172 Screen Selection

John Rice (AMEC) presented data for screen selection at MW-172 (D1P-5). Table of profile data was distributed.

- Similar to profile data for D1P-4 (MW-165), a series of intervals at MW-172 have explosive detections that are PDA-verified but interference with other compounds suggests that the detections are likely not valid. However, unlike MW-165, the explosive detections were all below 2 ppb for RDX.
- It was noted that the deepest of the RDX detections in the MW-139 area was 120 ft bwt.
- Proposed screen intervals in ft bwt were:
  - 45-55 to match screened interval near the expected vertical center of the plume as identified in MW-165.
  - -105-115 to monitor near the expected vertical bottom of the plume.
  - -135-145 monitor intervals of RDX and DANT detections in profile samples.
- Tech team agreed with proposed intervals.

CS-18 and CS-19 Updates

Ken Gaynor (Jacobs) presented an update on CS-18 and CS-19. A one-page handout was distributed.

- No new activity was conducted for CS-18 since last week. Table showing groundwater screening results for new wells was distributed. Analytical results show low level detections of TCE/PCE where screen was set (164-169 bwt) in 16MW0005.
- Trenching activity at CS-19 commenced this week. Magnetic survey of ground surface was completed at all 3 trenches.
- During CS-19 trenching, one 37mm fused round was uncovered and will be BIPed today, 6/7. One crushed drum was encountered at one foot in the 1st trench; samples were collected beneath the drum.
- Conflicts between exclusion zones for intrusive work at CS-19 and Mortar Target 9 were discussed. It was agreed that close coordination was needed between the two projects in terms of work activity, perhaps a joint safety meeting at Range Control between AMEC and Jacobs each morning. Although the safety aspect can be coordinated, the conflicts may result in schedule delays for one or both projects.

ASR Update

Eli Kangas (ACE) presented an update on the ASR. A two-page handout was distributed. Significant items below were discussed.

- Draft Report of Findings of Military History Research was completed and distributed on 5/18.
- Final Report of Interview Findings was completed and distributed on 5/19.
- Draft Report on Contracts Research is undergoing ACE/Guard internal review and will be distributed pending Guard approval by 6/18.
- Aerial photographs (1947, 1958, 1962, 1972) will be ordered 6/8.
- Tetra Tech is attempting to locate technical documents related to Copperhead, SADARM, WAM, and EFP programs as a follow-up to the Picatinny contract search effort. Tetra Tech is also requesting data from the NRC on potential permits issued for DU.
- For GIS Mapping/Integrated ASR input is needed for content and format, new map, attribute layers and ancillary data not specific to the ASR, and software requirements.
- Due to various delays of data (including aerial photographs, ASP data, Final Contracts Report, additional documents from Picatinny Arsenal and NRC), Guard would like to request

an extension for Revised ASR Report from 7/31 to 10/31. Information to be provided in ASR may impact Training Areas Investigation. Mike Jasinski (EPA) agreed to review the proposed revised schedule and address the possibility of an extension next week.

Water Supply Study Update

LTC Bleakley (JPO) indicated that the meeting scheduled with Mike Jasinski (EPA), MADEP and Hap Gonser (JPO) on 6/14 needed to be rescheduled to 6/15 or 6/21. Mr. Bleakley also indicated that Dave Hill (IAGWSPO) was coordinating with Mr. Gonser to obtain ZOCs. Pumping rates have already been provided; AMEC still needs water supply well coordinates.

Munitions Survey Update

Larry Hudgins (Tetra Tech) presented the update on the Munitions Survey. A one-page handout was distributed.

- Since last week, additional work was completed at HUTA Test Pit #3 and Test Pit #5. In Test Pit #3 the geophysics was completed on Lift 1C; hand excavation of anomalies is ongoing. Excavation of lift 1C is planned for 6/11. In Test Pit #5, geophysics on Lift 1A was completed and hand excavation of anomalies has started. Three BIPs (two 60mm and a 105mm) were scheduled today 6/7 in Test Pit 3. Awaiting analytical results prior to backfilling Test Pit #4 and #6.
- Presentation of J-1 and J-3 Range ground geophysical data is scheduled for 6/14.
- ACE will provide list of primary AirMag targets/maps for Areas 1-4 today, 6/7. Area 5 map is still being revised. Secondary target list/maps are being prepared, to be provided at the next Tech Meeting.
- No vegetation clearance was conducted as part of the Munitions Survey. Heather Sullivan (ACE) requested that a line item regarding vegetation clearance be continued to be listed on the Munitions Survey Update handout.
- During the punchlist discussion, a detailed schedule of completion dates for the ground geophysical survey and AirMag data as part of the Munitions Survey Project was provided to the agencies. Jane Dolan (EPA) requested a copy of the UXB draft reports on the J Ranges that have been provided to Tetra Tech. To be provided following a review by Guard/ACE in one to two weeks.

Rapid Response Action Update

Scott Veenstra (AMEC) provided an update on the RRA. A one-page handout was distributed.

- Verbal report of runoff results (6/6) from containment pad sump (5/21) indicates the water from the pad is non-detect for explosives. It is the Guard's intention to shutdown and demob water management equipment, remove sump blocks, and allow storm water to flow off pad.
- Jane Dolan (EPA) requested that the remaining soil on the pad that is covered by a tarp and secured with sandbags (perimeter weighting), be containerized prior to allowing storm water to runoff the pad.
- Doors at the top of the filter tank have been closed.
- EPA response to extension request for additional delineation sampling of Mortar Target 9 was received on 5/30. Ben Gregson (IAGWSPO) indicated that the Guard will send a letter if the EPA-extension dates can not be met; will have a better idea in approximately 2 weeks. Concurrent CS-19 activities may impact delineation schedule.
- Addendum to FSP regarding the Additional Delineation Sampling at Mortar Target 9 was sent to the agencies on 6/1. EPA approval to proceed (via e-mail) was received on 6/4.
- Intrusive UXO clearance at Mortar Target 9 commenced 6/4. Small arms training to be conducted Friday-Sunday will delay schedule.
- Delineation sample collection is scheduled to commence following UXO clearance and

coordination with CS-19 activities. To help compress schedule, soil samples at 45-55 ft radius will be collected, extracted and put on hold pending results of samples collected from 35-45 ft radius.

- Soil washing process equipment will be demobilized per the Guard's decision to evaluate alternative disposal options (5/30). Ms. Dolan (EPA) requested that documentation be provided on last Thursday (5/31) discussion.

Groundwater Study

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

- Installation of MW-172 (D1P-5) will be completed this week. Commence drilling D1P-6 (MW-173) next week, dependent on REC approval. Tech team agreed that D1P-6 location should remain where originally proposed, based on MW-172 profile results.
- Rose Forbes (AFCEE) reported that forward particle tracks from SP-2 (MW-171) with the FS-12 system on are expected by tomorrow. To be emailed to Dave Hill (IAGWSPO) and copied to Ben Gregson (IAGWSPO). USGS was also modeling the particle tracks, although they probably do not have current information on the FS-12 system (Extraction wells, Injection Wells and pumping rates). Herb Colby (AMEC) indicated that particle track cross section presented at 5/31 Tech meeting were inaccurate. Revised particle tracks from MW-171 with the FS-12 system off showed groundwater from 41-96 ft bwt at MW-171 discharging to Snake Pond approximately 300 ft south of the well. Heather Sullivan (ACE) to set up meeting discussion of particle tracks next week.
- Groundwater sampling of J Range wells continued this week including J-1 Range wells: MW-164 and MW-168. Will continue sampling second and third round for J Range wells.
- Rose Forbes (AFCEE) provided a map of Raccoon Lane piezometers. PZ211 and PZ212 are flushmounts located near PW-210. PZ201 and PZ203 have not been found yet. Ray Cottengaim (ACE) has sent a letter requesting access agreements to the property owner on 6/4. Response is expected in one week. Ms. Forbes noted that one of the property owners did request in a letter to AFCEE on 12/1998 that the piezometers be abandoned.
- Rose Forbes (AFCEE) also indicated that Senior Corps has checked Camp GoodNews wells and are continuing to check Greenway Road wells. Senior Corps forms will be provided to Jacobs and a map of useable wells may be available in approximately one month.
- Intrusive clearance commenced at Mortar Target 9 this week and will continue next week. Intrusive clearance of UXO detonation craters will commence next week pending REC approval.
- No soil sampling was conducted this week and is not planned for next week.
- No vegetation removal was completed this week and none is scheduled for next week. RECs have been submitted for D1P-6, SAR-1, CIAP-1, CIAP-2, CIAP-5 and the UXO detonation craters.
- A 1-page table for New Detects - Unvalidated was distributed. The majority of detections were similar to one or more previous rounds with the following exceptions: 2A-DNT was detected for the first time in 58MW0002. 58MW0011D was sampled for the first time and had a detection of RDX. TNT and 2,4-DANT were detected for the first time in MW-31. Mike Jasinski (EPA) requested that the results for CS-19 wells be shared with AFCEE.
- MW-171 will be surveyed before June 24 prior to campers arriving at Camp Good News.
- Jane Dolan (EPA) requested that AMEC look for perchlorate results from MW-152, MW-155, and MW-157 next week.

Document /Schedule Status Update

Marc Grant (AMEC) provided the update on document and schedule status, distributing a one-page table, 3-month Lookahead schedule, and a table outlining the scheduling issues. Highlights of the document/schedule status were reviewed as follows:

- Lavender highlighting was added to show enforceable deadlines for which an extension has been requested.
- Documents Having Comments. J-2 Range Final Report remains on the list pending receipt of a letter from the EPA excusing the enforceable deadline. Jane Dolan (EPA) provided verbal agreement and will send letter by tomorrow to formally delete this enforceable deadline.
- Documents Needing Comments. TM 01-7 UXO Interim Screening Report is still awaiting comment. Mike Jasinski (EPA) indicated that 1 to 2 weeks more was required. Comments on HUTA -1 are due tomorrow, 6/8. Comments on J13L Additional Delineation Workplan and CDC Test Results Report, submitted last week, are due in 3 weeks.
- Documents to be Submitted. Demo 1 Soil Report will be submitted tomorrow, 6/8. Central Impact Area GW FS Screening Report will be submitted 6/12. Guard is waiting on approval for extensions to Phase IIb Report and UXO Other FS Screening Report.

Discussions on IART Action Items and Agenda and J Range Response Planning followed the Tech Meeting.

The Guard, EPA, and MADEP had a meeting on June 14 to discuss technical issues, including the following:

Demo 1 Area Plume Map

John Rice (AMEC) distributed a revised Demo 1 plume map. The map depicted concentration contours of RDX at non-detect, 2 ug/L, 50 ug/L, and 100 ug/L. Analytical results for Perchlorate and RDX were presented for each well in boxes. Proposed well D1P-6 was also shown at its location on Pew Road. Contour lines at the downgradient "west end" of the plume were open. Overall the presentation was acceptable to EPA and MADEP representatives. Discussion ensued on specific features of the figure:

- Profile results for D1P-5 were listed as non detect for RDX. Todd Borci (EPA) indicated that that was not his understanding. Mike Jasinski (EPA)/Mr. Rice confirmed that that there were RDX detections below 2 ug/L and that they were PDA verified as Yes, but qualified as having interference. Similarly, higher concentrations of RDX were detected in profile samples from MW-165 and were PDA verified Yes, also with interferent compounds. Regular groundwater samples collected from these intervals in MW-165 were non detect for RDX. Therefore, it was likely that groundwater samples at D1P-5 would also show non-detect RDX concentrations. However, this can not be confirmed until the actual groundwater samples are collected and analyzed for D1P-5. Mr. Jasinski suggested that the box for D1P-5 say "awaiting groundwater results". Tech team agreed.
- Mr. Jasinski suggested that D1P-5 label be changed to MW-172 and that since D1P-6 would be finished by the time of the IART meeting, this well label be added with a box also saying "awaiting groundwater results". Tech team concurred.
- Mr. Rice indicated that a separate Perchlorate plume map could not be produced because data wasn't available. He indicated that D1P-5 had the highest priority for developing and sampling and that it could be sampled as early as next week. Perchlorate/explosives results would be put on rush.

- Todd Borci (EPA) requested that another feature on Pew Rd in the vicinity of D1P-6 be depicted on the map to help as a reference point.
- Discussion ensued on appropriate colors for concentration contours. LTC Bleakley (JPO) suggested the following color scheme: non detect – green; RDX 2 – blue, RDX 50 - yellow; RDX 100 – red. Tech team concurred.
- Mr. Rice to check on date of data as stated to be through 5/08/01.
- Demo 1 area plume map to be discussed as part of IART, Investigation Update, New Detects Agenda Item.

CS-18 and CS-19 Updates

Ken Gaynor (Jacobs) presented an update on CS-18 and CS-19. A one-page handout was distributed.

- No new activity was conducted for CS-18 since last week. Analytical results from sampling of new groundwater wells are expected next week. Particle backtrack from location 16MW0005 will be completed in early July.
- At CS-19, excavation of first 1-foot lift at one 40-foot trench was completed. Table of on-site lab explosive results was provided. Four samples were collected from 10-foot sections to one foot deep and homogenized. On-site lab explosive results show low concentrations of Amino-DNTS and TNT in surface soil. Mike Jasinski (EPA) requested a sketch of sampling locations in the trench. Mr. Gaynor to provide at next Tech meeting.
- Arrangements have been made with AMEC, Tetra Tech and USACE to adjust working schedules to allow sampling and minimal standby time. Jacobs works a 4-day schedule and then AMEC works a 4-day schedule. Any site visits must be prearranged through AFCEE.

J Range Snake Pond Response Plan

Mike Goydas (Jacobs), Jay Clausen (AMEC) and Don Walter (USGS) provided information on FS-12 particle tracks and Denis LeBlanc (USGS) provided information on USGS model particle tracks and proposed diffusion sampling approach for Snake Pond. Dave Hill (IAGWSPO) provided a one-page outline on J Range Response activities.

- Mike Goydas (Jacobs) explained that particle track modeling from MW-171 was completing using both the FS-12 Model and 2001 Regional Model. The Regional Model was used because it affords complete coverage of the top of the mound and has been recalibrated to 1,100 data points representative of YR 2000 conditions. The FS-12 Model is useful for predicting shallow groundwater flow. Two particles were forward and backtracked from MW-171. The forward particle track showed a steep upward, south-southwest flow path and discharge to Snake Pond in both models under both ambient and operational conditions. The two different models have different results for the backward tracks. The particle backtracks from the FS-12 Model travel in a more northwesterly direction than those from the ambient condition of the Regional Model. Due to the difference in calibration targets and boundary conditions, the backward track from the FS-12 Model is likely more representative of the long-term ambient flow trajectory; whereas the Regional Model backtracks are more likely representative of the point of origin for the explosive detections.
- Jay Clausen (AMEC) distributed map of forward and back particle tracks produced using the AMEC model. The forward particle tracks were modeled with the FS-12 recovery system both on and off. Backward particle tracks were modeled with the FS-12 system off, as most of the contaminant migration likely occurred historically prior to the operation of the FS-12 system. Forward particle track under both conditions was similar to Jacobs' modeling showing a discharge to Snake Pond immediately (200-300 feet) south of the spit. The backward particle track showed an origin for the water at the J-3 Range. Don Walter (USGS) indicated that the backward particle track that the USGS* originally modeled was

oriented more northerly. AMEC and USGS to verify orientation of backward particle track.

- Denis LeBlanc (USGS) indicated that the RDX detections at MW-171 are among the deepest in area. Particle tracks from other wells downgradient of J Ranges discharge to the northern portion of the Pond. There is likely no RDX-containing groundwater discharging further to the south within pond than the RDX-containing groundwater monitored by MW-171.
- Mr. LeBlanc outlined the proposal the USGS developed to delineate the RDX discharge to Snake Pond using a similar approach as was used at Johns Pond for the SD-5 plume. Several differences between the conditions for the Johns Pond sampling and the Snake Pond sampling. These differences included:
    - Johns Pond plume was better defined than J Range RDX plume.
    - The shoreline geometry of Snake Pond is more complex than Johns Pond making discharge predictions more difficult.
    - RDX is not expected to pass through polyethylene (as PCE/TCE can), requiring the use of a different membrane for the samplers.
- Given these considerations Mr. LeBlanc outlined Four Steps to characterize surface water discharges to Snake Pond.
    1) USGS subregional model will be used to predict discharge locations for the observed RDX detections. Interpolate between RDX detections to infer an RDX zone and use the model to map a possible discharge area on the pond bottom.
    2) Lab test use of alternative membranes, such as dialysis membranes. Suspend diffusion samplers in MMR wells with known concentrations of RDX to confirm that low levels of RDX (less than 3 ug/L) are detected in diffusion samplers.
    3) Install one or two lines of diffusion samplers in Snake Pond in most likely area of discharge, lines within 500 feet south of the spit and across the northern lobe (cove) of the Pond to be considered.
    4) Based on results of the first three steps, multiple lines of diffusion samplers would be set across the predicted area of discharge of RDX-containing groundwater.
- Jane Dolan (EPA) inquired about the timing of sampling. Mr. LeBlanc indicated that membrane testing would be in late June. Early July would have data from testing. Build initial sampling lines in mid July. Pull out diffusion samplers in early August. Mr. Hill provided the agencies with a copy of the email sent to him from Mr. LeBlanc outlining the sampling approach at Ms. Dolan's request.
- Dave Hill (IAGWSPO) inquired if measuring of temperature gradient around the discharge area would be useful. Mr. LeBlanc indicated that pond bottom was sandy and therefore, the discharge was likely diffuse. Temperature gradients would show only areas of springs. Johns Pond results showed that VOC concentrations were consistent along the bottom in the area of discharge.
- Mr. LeBlanc indicated that differential head measurements (difference between head just below base of pond and surface water) as an indication of the discharge area, could be collected, but that it would require a stable platform. Furthermore, the head differences would be very small (difficult to measure) around the hinge line (line where it switches from the groundwater discharging to the pond to the pond recharging the groundwater.)
- Mike Goydas (Jacobs) suggested developing particle tracks from wells with non detects to help bound the zone of RDX contaminated groundwater that is being discharged.
- Dave Williams (MDPH) requested that drive point sampling be conducted to sample pore water at pond base. Mr. LeBlanc indicated that this could be done with the measuring of head differential, but again that it would be difficult (platform required) with possibly questionable results and that he would like to consider it more.
- Len Pinaud (MADEP) requested that bathymetry of Snake Pond be added to the maps.

- EPA requested that Perchlorate be added to the sampling.
- Mr. Hill indicated that to support the modeling of an "RDX/Perchlorate zone" data was still needed from PZ208, 209, and 211. These will be sampled as soon as access agreements are finalized. AMEC to provide all necessary chemical data to USGS (including data for MW-147 and MW-153) so that zone footprint can be determined.
- Mr. LeBlanc to provide more detailed Work Plan and cost estimate to Mr. Hill next week. Mr. Hill to provide USGS Work Plan to agencies, following his review.
- Ms. Dolan requested that surface water along the northern cove of Snake Pond be sampled. Rose Forbes (AFCEE) pointed out the counselors at Camp GoodNews arrived today 6/14, so that any sampling would need to be coordinated with Camp GoodNews. In a discussion, subsequent to the meeting, Ben Gregson (IAGWSPO) agreed to collect surrface water samples (from 3 locations) next week, if the property owner permitted access.

Former D Range

- John Rice (AMEC) indicated that Mike Ciaranca (MAARNG) had requested that an alternative location be selected for the well at former D Range because the access road would require 200 ft of vegetation removal.
- Marc Grant (AMEC) said that alternative sampling could be done if the intent was to see if lead or other metals were leaching to groundwater. Data from current ranges that have been used for 30 years indicates that there was no significant leaching of lead into the ground.
- Todd Borci (EPA) pointed out that use history suggests that the old ranges were used more in the 1940's than the current ranges were used in 30 years. A well at one of the old ranges would have the purpose of not only assessing these ranges as a source of metals in groundwater but also assessing the possibility of general groundwater contamination resulting from practices at the old ranges.
- A site visit with Mr. Borci, Mr. Ciaranca, Ben Gregson (IAGWSPO), and Len Pinaud (MADEP) was scheduled at 12:30 to the former D Range to further evaluate proposed well location.

J Range Ground Geophysics

Raye Lahti (Tetra Tech) reviewed anomaly maps produced from J-1 and J-3 Range ground geophysical data. Maps were distributed. J-1 Range was split into 4 separate maps. J-3 Range was split into 3 zones each with a separate map.

- Mr. Lahti indicated that the geophysical subcontractor (UXB) had produced color contour maps of EM 61 response (measured in millivolts). Using a 4 mv threshold, Tetra Tech geophysicists outlined areas on the ranges that had a high spacial extent or significant amplitude anomalies as polygons. X marks on the map represent individual anomalies. X marks not contained in polygons represent scrap or near surface anomalies or other small anomalies.
- On the J-1 Range Area 3 map north of sec 62, the background was greater than 4 mv. North of sec 65, the background was greater than 15 mv. This data suggests that in this northern portion of the J-1 Range, the soil is saturated with metal, possibly from targeting. The exception is the 2000-meter berm, which is relatively free of anomalies.
- Jane Dolan (EPA) inquired if a correlation would be made between the AirMag and the ground geophysics data at the 2000m Berm at J-1 Range, since the AirMag showed anomalies but the EM-61 did not. Mr. Lahti responded that the ground geophysical was much more detailed than the AirMag. This would be addressed in the J Range geophysical report.
- In response to Todd Borci's (EPA) question regarding how the anomalies would be

prioritized, Leo Montroy (Tetra Tech) indicated that data was still preliminary. Tetra Tech wanted to do a quick field check of some items to factor into a prioritization list. Factors would include surface features, cultural debris and observations that had been made during the survey in order to come up with a prioritization list. Ms. Dolan requested to be involved with field truthing site visits.

- Todd Borci (EPA) requested prioritization be focused on the area between the 1000m and 150m berms. Ellen Iorio (ACE) indicated that this information could possibly be provided ahead of the report schedule in mid July.
- EPA requested copies of the UXB color contour maps of the J-3 Range. Mike Jasinski (EPA) indicated that this information would be useful in the agencies' review of the J-1/J-3/L Ranges Additional Delineation Work Plan. Ms. Dolan to go over UXB maps with Ms. Iorio at end of meeting to indicate which maps are of interest so that copying can be minimized.

AIRMAG Secondary Target List

- Tetra Tech provided an AirMag secondary target list to the agencies.
- Secondary target list was developed using a 500-lb limit for anomalies.
- Todd Borci (EPA) requested the Guard provide an approach for ground truthing the secondary target list. Mr. Borci to call Ben Gregson (IAGWSPO) to discuss.

IART Action Items and Agenda

Jim Murphy (EPA) led discussion regarding IART meeting.

- CPT Meyer is working on a response to Action Item 2.
- Herb Colby (AMEC) composed a memo regarding the status of the non-aqueous phase liquid at MW-164 for Action Item 5, agencies indicated that this was acceptable for IART distribution.
- Regarding Action Item 7, Colonel Bailey (MAARNG) would be asked who was providing instructions for distribution of ASP items, possibly to be at dry run.
- Action Item 8 to be reworded to indicate that USACE was developing a new contract to provide a contractor for TOSC services.
- Regarding Action Item 9, Jane Dolan (EPA) provided report copy.
- Regarding Action Item 11, it was pointed out that this meant that figures should be readable, particularly the data (possibly having the capability of zooming in using the laptop) and that all wells should be properly labeled.
- Regarding Action Item 14, (a) CS-18/CS-19 updates should be specified as presentations for July or August IART; (c) JPO would provide ZOCs (if approved by State) and text status of water supply project. (f) Bioslurry Process handout needed to be added as an agenda item. Handout provided by Scott Veenstra (AMEC) during punchlist discussion was approved for distribution.

June 21 Tech Meeting Proposed Agenda

- J Range Response Plan (feedback from agencies).
- Possible D1P-6 (MW-173) screen selection.
- Possible discussion of Phase IIb soil data from GA/GB and Cleared Areas, as available.
- Mortar Target 9 Update, intrusive clearance and additional delineation.

Mortar Target 9 Status Update

- Mike Jasinski (EPA) reminded the Guard that the EPA was expecting a response to their 30-May-01 letter by 28-Jul-01.
- Ben Rice (AMEC) indicated that intrusive clearance was completed on Wednesday (20-Jun-01). BIPs are to be conducted today and possibly tomorrow on as many as 10 potentially

live rounds discovered during intrusive clearance. Soil sampling will begin immediately after the BIPs are complete. Mr. Rice stated that AMEC samplers will work through the weekend to complete the task by Monday.

- Len Pinaud (MADEP) wanted to know how Hanni Dinkeloo concerns were being addressed. DEP suggested getting the results of the soil sampling and then having a meeting with Ms. Dinkeloo before the soil removal. With sampling complete on Monday and a five-day turn on laboratory analysis, the PDA-confirmed explosive results should be available by 10-Jul-01. Karen Wilson (IAGWSPO) agreed to contact Ms. Dinkeloo directly to discuss her concerns and planning. Mr. Pinaud requested that Ms. Dinkeloo be added to the recipient list for soil results.

Munitions Survey Update

- Ellen Iorio (ACE) indicated that a request for proposal has been submitted to Tetra Tech for conducting additional geophysical surveys at Phase 2 sites (Demo 2, Former A Range, Former K Range, and Succonsette Pond) and Demo 1, the ASP, and HUTA 1. Todd Borci (EPA) has reviewed and commented on the draft scopes of work for the Phase 2 sites and would like to review finalized scopes. The EPA requested to review the draft scopes of work for the Current Ammo Supply Point and the J-1 Range 150m/1000m Berm Area. The EPA will not require that the Phase 2 geophysical survey results be included in the revised version of the Draft Munitions Survey Report.
- Todd Borci (EPA) indicated that some recommendations were removed from the draft plan that were not agreed to in the resolution meeting. EPA indicated that this is unacceptable and wanted to know who requested that they be removed
- Demo 1 survey will be scheduled once ACE receives and approves Tetra Tech's proposal. A proposal for additional work at the J-1 Range has not been received (will be part of Phase 2 Munitions Survey). Todd Borci (EPA) requested that the EM31 historical bottom survey be added to the punchlist.

Post Detonation Blow in Place Sampling Discussion

- Bill Gallagher (IAGWSPO) presented a description of the procedural requirements of post-BIP sampling. Todd Borci (EPA) inquired as to why post-BIP samples collected since July 2000 have not exhibited any detectable concentrations of explosives. John Rice (AMEC) believes this may be attributed to a more effective detonation of the perforators because of a change in detonation cord use by EOD personnel (80-grain versus 50-grain).
- Todd Borci (EPA) would like the Guard to include pre-BIP soil sampling in future BIP sampling procedures and to consider downwind deposition of airborne particles. The Guard agreed to propose a revised sampling approach for discussion at the next tech meeting.
- Marc Grant (AMEC) indicated that reports for BIP conducted after July 2000 have been on hold because of the complexity of clearly presenting the results due to the large number of rounds and multiple contractor participants.

Discussion of Phase IIb Soil Data

- Preliminary explosives data for soil samples collected at Phase IIb site GA/GB Ranges and Cleared Areas was presented by John Rice (AMEC). A single PDA-confirmed explosive compound was detected in a soil sample collected from Cleared Area 1.
- Todd Borci (EPA) asked about the results for other parameters. Mr. Rice indicated that they are available and offered to provide upon request.

J-Range Response Plan

- Herb Colby (AMEC) provided an update on the status of J-Range activities. All J-Range Final Work Plan soils have been collected with the exception of the soil boring planned for the J3 Range melt-pour facility and the J-1 Range mound sample. The boring will be drilled with others site borings to be drilled using an auger rig when the drill rig is mobilized.
- Jane Dolan (EPA) would like an update of the analytical results for the J1/3/L Ranges.
- EPA asked the status of the additional soil sampling in the J-2 Range. AMEC indicated that it will begin once the SOW is approved and funded.
- EPA requested and update on the PCN sampling – this subject needs to be a punchlist item.
- Dave Hill (IAGWSPO) reported that the methodology for testing the diffusion samplers continues to be developed. A cost proposal from USGS is expected by next week.
- The three surface water samples from the northern cove will be collected this week. The location of the biweekly surface water samples at the northern end of Snake Pond will be provided.

Other Issues

- Todd Borci (EPA) indicated that he had not seen a response to his 26-Mar-01 letter to COL Bailey regarding the gun position DNT response plan. He was also interested in whether training activities had begun for the season and if a schedule was available. Bill Gallagher (IAGWSPO) agreed to follow up on obtaining a training schedule. LTC David Cunha has replaced COL Bailey as base CO.
- The original due date for the J1/J3/L Range Additional Delineation Workplan comments (22-Jun-01) has been changed to 27-Jun-01. The new due date for the CDC Report comments is 09-Jul-01.
- An additional Demo 1 Area well, (D1P-7) location was discussed. Todd Borci (EPA) would like to consider the region 100 to 200 feet north and south of D1P6 (MW-173) along Pew Road. Mr. Borci requested that a proposed location be presented at the next tech meeting.
- Karen Wilson (IAGWSPO) will visit current CIAP-2 location on Goat Pasture Road to assess sensitivity of habitat there. It was recommended an alternative location on Spruce Swamp Road to the west of this site be considered given that it will require less vegetation removal. John Rice (AMEC) will coordinate with Ms. Wilson should she recommend moving CIAP-2.

Agenda Items for next Tech Meeting

- HUTA 1 backfill
- J3 Range Response
- Target 9 Soil Removal Procedures
- Target 9 Soil Disposal Options
- IART Action Items
- Update on Site Visits
- BIP Sampling Procedures
- Training Range Use - Schedule
- Scoping MSP workplan
- RECs List/Status
- Punchlist Items
- D1P7 Location

EPA convened a meeting of the Impact Area Review Team on June 26, 2001. Topics discussed during the meeting were General Fact Sheets, New Detects for the Groundwater Study including the status of the Demo 1 plume, Demo 1 Area Soil, the Development and

Screening of Alternatives Report for Central Impact Area Groundwater; and the J Range Response Plan Update. The tentative date for the next meeting is July 24, 2001.

The Guard, EPA, and MADEP had a meeting on June 28 to discuss technical issues, including the following:

Well Locations Discussion (D1P-7 and CIAP-2)

- AMEC distributed revised particle track maps for Demo 1 Area, modeled using AMEC's Demo 1 Subregional Model. Three particles spaced 200 feet apart were modeled originating across the Demo 1 Area depression and tracked forward across Pew Road. The tracks were south of the tracks produced using the Regional Model, but had a similar path, curving northward slightly as the tracks extended downgradient of the Demo 1 Area. Jay Clausen (AMEC) indicated that the more southerly track reflected loosening (increasing the hydraulic conductivity) of the moraine for the Subregional model. MW-173 was shown located approximately 50 feet south of the most southerly located track. An inset map showed four possible sites for wells, two north of MW-173 at a 200-foot spacing (1N and 2N) and two south at a 200 foot spacing (1S and 2S). Proposed well D1P-7 was located at position 1N, on the middle track in a cleared area along the east side of Pew Road, approximately 200 feet north of MW-173.
- Heather Sullivan (ACE) indicated that funding was already procured for D1P-7 and funding for an additional well (D1P-8) has been requested. Karen Wilson (IAGWPSO) indicated that the proposed location would require minimal vegetation removal and likely the Record of Action (ROA) would be readily approved.
- Todd Borci (EPA) and Mike Jasinski (EPA) inquired if the modeling was performed with the Bourne wells on or off. Jay Clausen (AMEC) indicated that the modeling was performed with the Bourne wells on, however, he was not certain if the modeling could be rerun with the wells off, because the Subregional model might not extend to include the Bourne wells. Mr. Clausen to check and see if this could be accomplished.
- Mr. Jasinski requested that AMEC discuss the modeling with the USGS [to which Don Walter (USGS) reported that he had been consulted] and discuss a D1P-8 location, particularly the utility of placing a well between Frank Perkins and Pew Road. Discussion generally ensued on various location possibilities that ultimately would be dependent on results of D1P-7. Most likely locations were generally agreed to be 1S and 2N locations. Karen Wilson (IAGWSPO) indicated that there might be some problems with approval of the 2N location because of evidence that it was used as box turtle habitat. However, because box turtles and their habitat are abundant on base, this may not be an issue.
- Todd Borci (EPA) suggested that the Guard consider now, the logistics of future monitoring needs and locations given that a remediation system would be installed at the Demo 1 Area site.
- Karen Wilson (IAGWSPO) indicated that the concern with the CIAP-2 location on Goat Pasture Road was that this previously disturbed area was growing back well and is part of a contiguous habitat. Hanni Dinkeloo was concerned about placing a well here and would prefer a location on Spruce Swamp Road. Todd Borci (EPA) responded that CIAP-1 (five-corners area) well should be installed first and that the CIAP-2 location would be reconsidered once information on this well was reviewed.

AIRMAG Ground Truthing Update

- Larry Hudgins (Tetra Tech) distributed a table showing findings from this weeks ground

truthing effort at U (Uniform) Range. The table included findings for the investigation of 10 anomalies or targets. Information in the table included date validated, GPS coordinates, surface appearance, presence of surface metal, understory thickness, canopy cover, topography, surface geology, and interpretive comments.

- Hot rocks in comment column means magnetic rocks.
- Five pictures were taken of area of each anomaly. Area of each anomaly was investigated within 10 meters with a magnetometer.
- Jane Dolan (EPA) requested that Guard verify that the ground truthing procedure was as described in Attachment A to the Guard's proposal. Ms. Dolan also indicated that EPA was requesting that the date for the Draft MSP be made an enforceable deadline.

J Range Plan Update

- Dave Hill (IAGWSPO) indicated that the USGS received the diffusion samplers and would be testing them in the lab this week using standards. The remaining schedule was progressing as described by the USGS in their email that had been distributed at the 6/14 meeting.
- Four wells for field-testing the diffusion samplers would be proposed by AMEC by the end of the week. Wells with 5-foot screens were being proposed so that discrete intervals could be monitored for more accurate results.
- Jane Dolan (EPA) requested that the concentrations of standards and proposed wells for field test be provided to EPA by the next Tech meeting.
- Mike Jasinski (EPA) inquired about the recent Snake Pond surface water samples. Herb Colby (AMEC) indicated that the results for these samples might not be available until Monday.

HUTA-1 Backfill

- Larry Hudgins (Tetra Tech) indicated that Test Pit 3 was completed. Only Test Pit 5 is left. Test Pit 6 is an open excavation awaiting results to backfill. The road between Test Pit 5 and 6 is unstable because Test Pit 6 is still open.
- Tetra Tech would like to backfill Test Pit 6 with Test Pit 4 soil (at least to shore up one side of the pit) before excavating to the base of Test Pit 5. Tetra Tech will reach depth in Test Pit 5 in 2 weeks and will need resolution of this problem by then. The analytical data for Test Pit 4 and additional data on Test Pit 6 should be available by next week.
- Mike Jasinski (EPA) indicated that a decision could be made on this issue by the 7/12 Tech meeting which Mr. Hudgins agreed would be sufficient timing.

Mortar Target 9 Schedule

Scott Veenstra (AMEC) provided a handout listing the Mortar Target 9 Schedule.

- Karen Wilson (IAGWSPO) indicated that Hanni Dinkeloo wanted to be in on the planning process for removal and restoration at Mortar Target 9. Ms. Wilson recommended that a meeting/site visit with Ms. Dinkeloo be conducted after the 45-55 radius data is reviewed.
- Jane Dolan (EPA) inquired as to the timing for data review, why was the PDA-verified soil data not available until 10 days after sampling was completed when rush data for groundwater was available sooner? John Rice (AMEC) indicated that a 5-day TAT was provided by the lab and 4 days was needed for PDA-verification.
- Todd Borci (EPA) indicated that EPA was interested in getting data more quickly and that the Guard should consider utilizing the Sveren Trent field laboratory used by Jacobs at CS-19 when they were completed with the trenching project. Dave Hill (IAGWSPO) indicated that the Guard was considering the use of a field laboratory but the field lab use depended on what the data generated would be used for and what detection levels could be achieved.

- Ken Gaynor (Jacobs) indicated that during the scheduled time of excavation of soil in the Mortar Target 9 area, drilling was planned for the CS-19 area and this work would need to be coordinated.
- Jane Dolan (EPA) questioned the soil removal duration of 2 weeks, indicating that it seemed as if the schedule for removing soil in the Group 1 areas progressed more quickly. Scott Veenstra (AMEC) indicated that 1 wk was estimated if soil removal was limited to the 35-foot radius to 2 feet bgs (285 cu yards of soil), whereas 2 weeks was estimated for soil removal to the 55-foot radius to 2 feet bgs (705 cu yards of soil).

RRA Soil Storage/Disposal

- Dave Hill (IAGWSPO) indicated that a proposal was being provided by Clean Harbors to remove the soil currently stored on the pad in July, possibly to a Waste Management Landfill in Maine.
- Waste characterization of the soil pile was completed using a single sample composited from 2 grab samples within the pile. The depth that the grab samples were collected was not known, Mr. Hill to check. The analytical data for the composite sample has already been received.
- The organic material still needs to be characterized.

Background Sample Update

- Russ Johnson (AMEC) reported that as a result of the recent site visit, seven areas for background were identified.
- Aerial photographs from the 1940's to 2000 were obtained for these areas. The aerial photographs show that for the majority of areas, most have been wooded. For those that were open areas in the past, they are more wooded now. This suggests that operations have not been conducted on these properties. The Crane Wildlife Management Area, north of Rt 151 was in the former Coonamessett Airport area – therefore a cleared field in this area should likely be avoided.
- At next meeting with Todd Borci (EPA), the Guard would like to review aerials and flag locations. The Guard would also like to discuss sampling, analytical goals and objectives as outlined in a 6/4 letter to the agencies. Mr. Borci indicated that he had no interest in the further discussion of pesticide/herbicide background analysis.
- Mr. Johnson provided as one example of differences in goals and objectives: analyzing for herbicides in association with dioxins. Dioxin detections are often associated with herbicides so the Guard would like to review dioxin detections in the context of herbicides also being present, to determine if the source of the dioxin is an herbicide or something else.
- Mike Jasinski (EPA) indicated that the meeting could be held on 7/11 or as a breakout after the Tech meeting on 7/12.

IART Action Items

- **Request for copy of Central Impact Area plume map overlaid with AirMag data** as presented at 6/26 IART. Copy to be provided by Ben Gregson (IAGWSPO).
- **Request that Attendance list at Tech meetings be distributed with the meeting minutes via email.** Kim Harriz (AMEC) to include in Tech meeting section of Weekly Progress Report.
- **Incorporate comments to the draft IART groundrules and distribute to team.** Jim Murphy (EPA) to distribute.
- **Incorporate comments to draft General Fact Sheet and distribute.** Tina Dolen (IAGWSPO) to distribute.
- **Provide contact person to submit comments to and date comments are due on**

documents. System for comment solicitation to be discussed at Community Involvement meeting.

- **Provide update of 5 persons who requested to join IART.** Jim Murphy (EPA) to provide.
- **Provide information on Guard intentions to post at Snake Pond.** To be discussed at Community Involvement meeting. Ben Gregson (IAGWSPO) to address.
- **Check on location of residential wells on the southeastern edge of Snake Pond.** Ben Gregson (IAGWSPO) to check.
- **Future Agenda:** Status of recently discovered petroleum-like material.
  CS-18/CS-19 update – AFCEE indicated not July, maybe August.
  Central Impact Area GW Screening Report – briefly reviewed at IART, comments due before next meeting. J-1 Range 1000m Berm discussion was not completed, comments on that plan are also due before next IART. Suggestion was made that agenda items that the agencies are soliciting comments for should be addressed early in the meeting so that they are not be skipped because of time restrictions.

Miscellaneous

- Jane Dolan (EPA) requested that for the next draft of the Munitions Survey Report, surface features for the J Ranges should be noted on all maps. Larry Hudgins (Tetra Tech) indicated that all information has not been added yet, such as underground utilities. Leo Montroy (Tetra Tech) indicated that a graphic overly of UXO sweep information would be placed on top of UXB maps including subsurface debris that might be an extension of surface debris. AMEC data would also be included.
- Jane Dolan (EPA) inquired as to what SVOC compounds were identified in the petroleum-like material. Herb Colby (AMEC) indicated that the SVOCs detected in the analysis were included in the summary email he had prepared for the IART distribution. The SVOCs were n-nitrosodiphenylamine; 2,4-dimethylphenol; 2-methylnaphthalene; BEHP; di-n-butylphthalate; fluorine; naphthalene; and phenol. Ms Dolan pointed out that similar constituents had been detected in soil at the J-2 Range. Todd Borci (EPA) pointed out that similar constituents had also been detected in the Burn Pit at Demo 1.
- Jane Dolan (EPA) suggested that the explosive detection reported as a red for 90MW003 in the IART Figure 1 Map was incorrect. Herb Colby (AMEC) to check.
- Jane Dolan (EPA) inquired about the nature of several samples listed in the Monthly Maps Table 2. Pages of Field QC samples listed, what type of samples are these? Kim Harriz (AMEC) responded that the samples with an E at the end were equipment blanks; the samples with a T at the end were trip blanks. Regarding the samples listed as Filler? These are samples collected of inert wax filler from ordnance taken from the range. Regarding samples listed as Bioslurry? These are ITE samples. Regarding samples listed as LC102Q1AAA; DSL-COMPB-CXC-S, and DSL-C4-CXC-SPLIT? Kim Harriz (AMEC) to check.
- Jane Dolan (EPA) relayed that in a conference call with Hap Gonser (JPO) regarding the Water Supply Project, Mr. Gonser had indicated that WS-2 was being installed this week with three 40-foot screens. WS-3 would be installed next week and then WS-1. Although the boreholes were being logged, EPA's request for profiling had been declined. Mike Jasinski (EPA) reported that Guard well's MW-54, -63, and –55 were listed in the QAPP to be included in monitoring for the water supply wells. He suggested that IAGWSP team and JPO discuss coordination of sampling needs. Todd Borci (EPA) reported that in the SMB presentation, one well on Jefferson Road had been moved further northeast at EPA's request. The new coordinates and Mr. Gonser presentation should be provided to AMEC.
- Heather Sullivan (ACE) indicated that although no Tech meeting would be held next week,

updates as provided would be sent via email.

- Todd Borci (EPA) requested a list of what data is available for Stage IIb sites and a list of the wells for which the modified 8330N (8330NX) method was being used for explosive analysis. John Rice (AMEC) indicated that no samples except for the samples that were collected for testing the 8330NX method have been analyzed using the 8330NX method.
- Herb Colby (AMEC) reported that regarding MW-164 sample analysis, samples were all analyzed by the 8330N method not by the 8330NX method; however the analysis method had been input incorrectedly into the database as 8330NX. Todd Borci (EPA) asked for an explanation of how then was MNX identified in the analysis, since it was his understanding that MNX could not be quantified using the 8330N method and that is why the 8330NX method has been proposed. Herb Colby (AMEC) to clarify with AMEC validation group.

2. SUMMARY OF DATA RECEIVED

Validated data were received during April for Sample Delivery Groups (SDGs) CEI 003, 004, 005; MMR 583, 584, 585, 587, 588, 589, 590, 591; MMRPERC 01; MOR 584; PERC 009, 010, 011, 016, 018, 019, 020, 021, 022, 023. These SDGs contain results for 1 crater grab sample from a UXO detonation crater; 159 groundwater samples from monitoring wells; 15 groundwater profile samples from IRP well 90MW104A and from soil borings B-24 and B-25; 137 soil grid and/or grab samples from the former K and Gravity Ranges; and 5 soil samples from soil borings B-24 and B-25 at the J-3 Range.

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 a safe exposure level (SEL) established by EPA. At present, neither EPA nor the MADEP have established an MCL or HA for perchlorate. A red circle is used to depict a well where the concentration of one or more analytes was greater than or equal to (GTE) the lowest MCL, HA, or SEL for the analyte(s). A yellow circle is used to depict a well where the concentration of all analytes was less than (LT) the lowest MCL, HA, or SEL. A green circle is used to depict a well where the given analytes were not detected. An open circle is used to depict an existing well where the analytes in question (for example, Explosives in Figure 1) have not yet been

measured. Table 3 summarizes the detections that exceeded a MCL, HA, or SEL, sorted by analytical method and analyte, since 1997.

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

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

Figure 1: Explosives in Groundwater Compared to MCLs/HAs

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

- Demo Area 1 (wells 19, 31, 34, 73, 76, 77, and 114);
- the Impact Area and CS-19 (wells 58MW0001, 0002, 0009E, 0011D, 0016B, 0016C, and 0018B; and wells 1, 2, 23, 25, 37, 38, 40, 85, 86, 87, 88, 89, 90, 91, 93, 95, 98, 99, 100, 101, 105, 107, 111, and 113); and
- J Ranges and southeast of the J Ranges (wells 58, 132, 147, 153 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, and 31D), and for hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) at all of the locations listed above. One of the exceedance wells, 90WT0013, has had no detectable RDX in the last five sample rounds (1/99 to 11/00).

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

CS-19 is a site located in the Impact Area. Portions of CS-19 are currently under investigation by the Air Force Center for Environmental Excellence (AFCEE) under the Superfund program. Other portions of CS-19, and the remainder of the Impact Area, are under investigation by the

National Guard Bureau. RDX has been measured in groundwater emanating from both CS-19 and the Impact Area. A magenta concentration contour line is used in Figure 1 and the inset to show the extent of RDX exceeding the HA in these areas. This extent is based on samples from monitoring wells and samples collected during the drilling process ("profile" samples). This extent also considers non-validated data, where the results have been confirmed using Photo Diode Array (PDA). Additional information regarding PDA is provided below under the heading "Rush (Non-Validated) Data". Currently it appears there are multiple sources of RDX in the Impact Area, including CS-19.

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

Figure 2: Metals in Groundwater Compared to MCLs/HAs

Exceedances of drinking water criteria for metals are scattered throughout the study area. Where two or more rounds of sampling data are available, the exceedances generally have not been replicated in consecutive sampling rounds. The exceedances have been measured for antimony, arsenic, cadmium, chromium, lead, molybdenum, sodium, thallium and zinc. None of the 11 antimony exceedances were repeated in consecutive sampling rounds, and only one exceedance (well 50M1) was measured in year 2000 results. Arsenic (in well 7M1), cadmium (52M3), and chromium (7M1) each had one exceedance in a single sampling round in August-September 1999. One of three lead exceedances (ASP well) was repeated in another sampling round and neither of the other two lead exceedances (wells 2S and 7M1) were measured in year 2000 results. Thirteen of the 41 molybdenum exceedances were repeated in consecutive sampling rounds (wells 2S, 2D, 13D, 16D, 46M2, 52D, 52M3, 53M1, 53D, 54M2, 54S, 55D, and 57S). Molybdenum concentrations declined in 12 of these 13 wells. Eight molybdenum exceedances (wells 13D, 16D, 45S, 52D, 53M1, 57S, 57M2, and 81D) were observed in year 2000 results. Five of the 14 sodium exceedances were repeated in consecutive sampling rounds (wells 2S, 46S, 57M2, 57M1, and SDW261160). Five wells (90WT0010, 21S, 46S, 57M1, and 57M2) had exceedances in the year 2000 results; one well (145S) had exceedances in the year 2001 results. Seven of the 58 thallium exceedances were repeated in consecutive sampling rounds (wells 7M1, 7M2, 47M2, 52S, 52D, 54S, and 54M1). Eighteen wells (2D, 45S, 46M1, 47M3, 47M2, 48M3, 48D, 49M3, 50M1, 52S, 54S, 56S, 56M3, 57M2, 58S, 64M1, 83S, and 127S) had thallium exceedances in the year 2000 results; three wells (94M2, 132S and 150S) 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 74) 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. Four wells (28M1, 142M1, 142M2 and 146M1) 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 the Safe Exposure Limit (SEL)

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 SEL for perchlorate of 4 to 18 parts per billion (ppb), since neither an MCL or HA has been established. At present, there are nine exceedances of the SEL of 18 ppb for perchlorate. Detections that exceeded the SEL occurred at wells 31S, 31M1, 34M1, 34M2, 77M2, 78M2, and 114M2 in the vicinity of the Demolition Area 1 plume and in wells13D and 132S at J-3 Range.

Rush (Non-Validated) Data

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

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

- Groundwater samples collected from MW-143M3 (Greenway Road north of J-3 Wetland) had a detection of RDX that was verified by PDA spectra. In the previous round of sampling, HMX was also detected in this well.

- Groundwater samples collected from MW-147M1 (Greenway Road south of J-3 Range) had detections of RDX and HMX that were verified by PDA spectra. The previous round of sampling had a similar detection of RDX, but HMX was not detected.

- Groundwater samples collected from MW-147M2 (Greenway Road south of J-3 Range) had detections of RDX and HMX that were verified by PDA spectra. The RDX and HMX concentrations were approximately half of the concentrations reported in the previous round of sampling.

- Groundwater samples collected from MW-73S (Demo 1 Area) had detections of RDX and HMX that were verified by PDA spectra. The RDX and HMX concentrations were the lowest concentrations reported for this well since it was installed.

- Groundwater samples collected from MW-114M2 (Demo 1 Area) and MW-130S (Disposal Area 2 at J-2 Range) and a duplicate sample had detections of RDX, HMX, and 4A-DNT that were verified by PDA spectra. These explosive compounds were detected in these wells in the previous sampling rounds in similar concentrations.

- Groundwater samples collected from MW-19S (Demo 1 Area) had detections of TNT, 2A-DNT, 4A-DNT, RDX, HMX, MNX, DNX, and TNX that were verified by PDA spectra. This is the first time samples from this well were analyzed using method 8330NX which is used to detect MNX, DNX and TNX, breakdown products of RDX. The other compounds were detected in previous rounds in similar concentrations using the method 8330N analysis.

- Groundwater samples collected from 58MW00001, 58MW0016B, and 58MW0016C (CS-19 area) had detections of RDX and HMX that were verified by PDA spectra. This is the first time these IRP wells have been sampled for the IAGWSP. There have been similar detections in these wells under the AFCEE IRP investigation.

- Groundwater samples collected from 58MW0018B (CS-19 area) had a detection of RDX that was verified by PDA spectra. This is the first time this IRP well has been sampled for the IAGWSP. RDX was detected in this well under the AFCEE IRP investigation.

- Groundwater samples collected from 58MW0018A (CS-19 area) had detections of 1,3-dintrobenzene, 2,6-DNT, 3-nitrotoluene, 4-nitrotoluene, nitroglycerin, and tetryl. Only 2,6-DNT was verified by PDA spectra. However, it was noted that there was a large interferent peak from a non-explosive compound and, therefore, the sample will be reanalyzed by GC/MS to confirm the 2,6-DNT detection. This is the first time this IRP well has been sampled for the IAGWSP. There have not been any explosive detections for this well under the AFCEE IRP investigation.

- Groundwater samples collected from 58MW0007B (CS-19 area) had a detection of RDX that was verified by PDA spectra. This is the first time this screen at this IRP well location has been sampled.

- Groundwater samples collected from MW-161S (Demo 2 area) and a duplicate sample had detections of RDX that were verified by PDA spectra. This is the first time this well was sampled and no profile samples were collected when it was drilled.

- Groundwater samples collected from MW-166M1, MW-166M2, and MW-166M3 (J-1 Range 1000m Berm area) had detections of RDX that were verified by PDA spectra. MW-166M2 and MW-166M3 also had detections of HMX that were also verified by PDA spectra. This is the first time these wells have been sampled. There were similar detections in the profile samples.

- Groundwater samples collected from MW-171M2 (Snake Pond spit well) had a detection of RDX that was verified by PDA spectra. This is the first time this well has been

sampled. The detections of RDX were similar in the profile samples collected from this well.

- Groundwater samples collected from MW-40M1 (center of Central Impact Area), MW-114M1 (Demo 1 Area), MW-129M1 (Demo 1 Area), and MW-143M1 (J-3 Range on Greenway Road) had detections of RDX that were verified by PDA spectra. These detections are similar to the results from previous sampling rounds.

- Groundwater samples collected from MW-136S (J-1 Range 1000m berm) and MW-85M1 (Turpentine Road in Central Impact Area) had detections of RDX and HMX that were verified by PDA spectra. The previous rounds of sampling had similar detections.

- Groundwater samples collected from MW-143M2 (J-3 Range on Greenway Road) had a detection of HMX that was verified by PDA spectra. Both HMX and RDX were detected in the previous sampling round.

- Groundwater samples collected from MW-40S (center of Central Impact Area) had detections of TNT, 2A-DNT, and 4A-DNT that were verified by PDA spectra. This is the first time TNT was detected in samples collected from this well. Detections of 2A-DNT and 4A-DNT were similar to the detections in previous sampling rounds.

- The groundwater profile samples from MW-172 had detections of PETN (2 intervals), 2,4-DANT (3 intervals), nitroglycerin (15 intervals) and RDX (8 intervals). Only the RDX and 2,4-DANT detections were verified by PDA spectra.

- The groundwater profile samples from MW-173 had detections of nitroglycerin (20 intervals), PETN (6 intervals), RDX (16 intervals), 1,3-DNB (1 interval), 3-nitrotoluene (2 intervals), 4-nitrotoluene (1 interval), picric acid (5 intervals), 4A-DNT (5 intervals), 2,6-DNT (1 interval), and 2,4-DANT (17 intervals). The 2,4-DANT detections, 2,6-DNT detection and one RDX detection were verified by PDA.

- Three water samples collected from the sumps on the RRA Containment Pad had detections of alpha endosulfan (1 sample), endosulfan sulfate (1 sample), methoxychlor (1 sample), and 2,4-DANT (2 samples). The 2,4-DANT detections were not verified by PDA spectra.

3. DELIVERABLES SUBMITTED

Deliverables submitted during the reporting period include the following:

Weekly Progress Update, May 21 – May 25, 2001	6/04/01
Final Demo Area 1 Groundwater Feasibility Screening Report (Tech Memo 01-5)	6/04/01
May 2001 MMR IAGWSP Monthly Progress Report	6/07/01
Draft Demo Area 1 Soil Report (Tech Memo 01-10)	6/07/01
Weekly Progress Update, May 28 – June 1, 2001	6/11/01
Final Central Impact Area Groundwater Report (Tech Memo 01-6)	6/12/01
Draft Central Impact Area Groundwater FS Screening Report (Tech Memo 01-11)	6/12/01
Final J-2 Range Additional Delineation Work Plan	6/18/01
Weekly Progress Update, June 4 – June 8, 2001	6/19/01

Draft Demo 1 Area Soil Development and Initial Screening of Alternatives Report (Tech Memo 01-12)	6/21/01
Weekly Progress Update, June 11 – June 15, 2001	6/22/01
Weekly Progress Update, June 18 – June 22, 2001	6/29/01

4. SCHEDULED ACTIONS

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

- Continue Demo 1 Draft Soil Report revision
- Finish Draft Central Impact Area Soil Report
- Start J-2 Range Additional Delineation investigation
- Start Draft J-2 Range Report preparation
- Continue Draft J-1/J-3/L Range Report preparation
- Finish J-1/J-3/L Range Additional Delineation planning
- Start J-1/J-3/L Range Additional Delineation investigation
- Finish Draft Gun/Mortar Final Report
- Continue Training Areas investigation
- Continue HUTA Draft Report preparation
- Finish Phase II (b) investigations
- Continue Phase II (b) Draft Report preparation
- Continue MSP Phase I Draft Report revision
- Continue groundwater monitoring programs
- Finish Draft Revised ASR Report preparation
- Finish Final Geophysics Report
- Continue Draft Demo 1 Soil FS Screening Report revision
- Finish ITE Demo 1 Groundwater Treatability Studies
- Start Demo 1 Area Groundwater FS preparation
- Continue Central Impact Area Groundwater FS Screening Report revision

5. SUMMARY OF ACTIVITIES FOR DEMO 1

The Final Groundwater Feasibility Screening Report (Tech Memo 01-5) was submitted on June 4. The Draft Soil Report (Tech Memo 01-10) was submitted on June 7. The Draft Soil Screening of Alternatives Report (Tech Memo 01-12) was submitted on June 21. Additional downgradient well locations, MW-172 and MW-173 were installed. An additional downgradient well location (D1P-7) was proposed at the June 28 Tech meeting. Analysis of first, second and third round groundwater samples from newly installed wells is ongoing.

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

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
2.A.1.00547.10.0	A.1.00547.R	01/22/2001	CRATER GRID	0.00	0.25	0.00	0.00
2.A.1.00547.10.D	A.1.00547.R	01/22/2001	CRATER GRID	0.00	0.25	0.00	0.00
2.A.1.00547.6.0	A.1.00547.R	01/22/2001	CRATER GRID	2.00	2.25	0.00	0.00
2.A.1.00547.6.D	A.1.00547.R	01/22/2001	CRATER GRID	2.00	2.25	0.00	0.00
2.A.1.00547.7.0	A.1.00547.R	01/22/2001	CRATER GRID	0.00	0.25	0.00	0.00
2.A.1.00547.7.D	A.1.00547.R	01/22/2001	CRATER GRID	0.00	0.25	0.00	0.00
2.A.1.00547.8.0	A.1.00547.R	01/22/2001	CRATER GRID	0.00	0.25	0.00	0.00
2.A.1.00547.8.D	A.1.00547.R	01/22/2001	CRATER GRID	0.00	0.25	0.00	0.00
2.A.1.00547.9.0	A.1.00547.R	01/22/2001	CRATER GRID	0.00	0.25	0.00	0.00
2.A.1.00547.9.D	A.1.00547.R	01/22/2001	CRATER GRID	0.00	0.25	0.00	0.00
2.A.2.00503.10.0	A.2.00503.R	01/22/2001	CRATER GRID	0.00	0.25	0.00	0.00
2.A.2.00503.6.0	A.2.00503.R	01/22/2001	CRATER GRID	1.75	2.00	0.00	0.00
2.A.2.00503.7.0	A.2.00503.R	01/22/2001	CRATER GRID	0.00	0.25	0.00	0.00
2.A.2.00503.8.0	A.2.00503.R	01/22/2001	CRATER GRID	0.00	0.25	0.00	0.00
2.A.2.00503.9.0	A.2.00503.R	01/22/2001	CRATER GRID	0.00	0.25	0.00	0.00
2.A.2.00514.10.0	A.2.00514.R	01/22/2001	CRATER GRID	2.50	2.75	0.00	0.00
2.A.2.00514.6.0	A.2.00514.R	01/22/2001	CRATER GRID	2.50	2.75	0.00	0.00
2.A.2.00514.7.0	A.2.00514.R	01/22/2001	CRATER GRID	2.50	2.75	0.00	0.00
2.A.2.00514.8.0	A.2.00514.R	01/22/2001	CRATER GRID	2.50	2.75	0.00	0.00
2.A.2.00514.9.0	A.2.00514.R	01/22/2001	CRATER GRID	2.50	2.75	0.00	0.00
2.A.2.00515.10.0	A.2.00515.R	01/22/2001	CRATER GRID	1.50	1.75	0.00	0.00
2.A.2.00515.6.0	A.2.00515.R	01/22/2001	CRATER GRID	1.50	1.75	0.00	0.00
2.A.2.00515.7.0	A.2.00515.R	01/22/2001	CRATER GRID	1.50	1.75	0.00	0.00
2.A.2.00515.8.0	A.2.00515.R	01/22/2001	CRATER GRID	1.50	1.75	0.00	0.00
2.A.2.00515.9.0	A.2.00515.R	01/22/2001	CRATER GRID	1.50	1.75	0.00	0.00
J3.A.3.00299.1.0	J3.3.00299.R	01/22/2001	CRATER GRID	1.00	1.25	0.00	0.00
J3.A.3.00299.2.0	J3.3.00299.R	01/22/2001	CRATER GRID	1.00	1.25	0.00	0.00
J3.A.3.00300.1.0	J3.3.00300.R	01/22/2001	CRATER GRID	0.75	1.00	0.00	0.00
J3.A.3.00300.2.0	J3.3.00300.R	01/22/2001	CRATER GRID	0.75	1.00	0.00	0.00
J3.A.3.00301.1.0	J3.3.00301.R	01/22/2001	CRATER GRID	1.00	1.25	0.00	0.00
J3.A.3.00301.2.0	J3.3.00301.R	01/22/2001	CRATER GRID	1.00	1.25	0.00	0.00
J3.A.3.00302.1.0	J3.3.00302.R	01/22/2001	CRATER GRID	1.00	1.25	0.00	0.00
J3.A.3.00302.2.0	J3.3.00302.R	01/22/2001	CRATER GRID	1.00	1.25	0.00	0.00
J3.A.3.00303.1.0	J3.3.00303.R	01/22/2001	CRATER GRID	0.75	1.00	0.00	0.00
J3.A.3.00303.1.D	J3.3.00303.R	01/22/2001	CRATER GRID	0.75	1.00	0.00	0.00
J3.A.3.00303.2.0	J3.3.00303.R	01/22/2001	CRATER GRID	0.75	1.00	0.00	0.00
J3.A.3.00303.2.D	J3.3.00303.R	01/22/2001	CRATER GRID	0.75	1.00	0.00	0.00
0.G.0.00022.0.E	FIELDQC	01/31/2001	FIELDQC	0.00	0.00	0.00	0.00
0.G.0.00023.0.E	FIELDQC	01/31/2001	FIELDQC	0.00	0.00	0.00	0.00
0.G.0.00045.0.T	FIELDQC	01/04/2001	FIELDQC	0.00	0.00	0.00	0.00
0.G.0.00046.0.T	FIELDQC	01/09/2001	FIELDQC	0.00	0.00	0.00	0.00
0.G.0.00047.0.T	FIELDQC	01/11/2001	FIELDQC	0.00	0.00	0.00	0.00
0.G.0.00048.0.T	FIELDQC	01/15/2001	FIELDQC	0.00	0.00	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
1/1/2001-1/31/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
0.G.0.00049.0.T	FIELDQC	01/19/2001	FIELDQC	0.00	0.00	0.00	0.00
0.G.0.00050.0.T	FIELDQC	01/18/2001	FIELDQC	0.00	0.00	0.00	0.00
0.G.0.00051.0.T	FIELDQC	01/22/2001	FIELDQC	0.00	0.00	0.00	0.00
0.G.0.00052.0.T	FIELDQC	01/31/2001	FIELDQC	0.00	0.00	0.00	0.00
90EW0001AE	FIELDQC	01/19/2001	FIELDQC	0.00	0.00	0.00	0.00
90EW0002DE	FIELDQC	01/22/2001	FIELDQC	0.00	0.00	0.00	0.00
90EW0003DE	FIELDQC	01/24/2001	FIELDQC	0.00	0.00	0.00	0.00
90MP0060AE	FIELDQC	01/26/2001	FIELDQC	0.00	0.00	0.00	0.00
90MW0006E	FIELDQC	01/23/2001	FIELDQC	0.00	0.00	0.00	0.00
90MW0010AE	FIELDQC	01/31/2001	FIELDQC	0.00	0.00	0.00	0.00
90MW0022AE	FIELDQC	01/30/2001	FIELDQC	0.00	0.00	0.00	0.00
90MW0054AE	FIELDQC	01/30/2001	FIELDQC	0.00	0.00	0.00	0.00
90MW0070AE	FIELDQC	01/31/2001	FIELDQC	0.00	0.00	0.00	0.00
90MW0101E	FIELDQC	01/26/2001	FIELDQC	0.00	0.00	0.00	0.00
AVERYVPHAT	FIELDQC	01/25/2001	FIELDQC	0.00	0.00	0.00	0.00
G143DEE	FIELDQC	01/02/2001	FIELDQC	0.00	0.00	0.00	0.00
G143DET	FIELDQC	01/02/2001	FIELDQC	0.00	0.00	0.00	0.00
G143DIT	FIELDQC	01/03/2001	FIELDQC	0.00	0.00	0.00	0.00
G144DAE	FIELDQC	01/03/2001	FIELDQC	0.00	0.00	0.00	0.00
G144DEE	FIELDQC	01/04/2001	FIELDQC	0.00	0.00	0.00	0.00
G144DET	FIELDQC	01/04/2001	FIELDQC	0.00	0.00	0.00	0.00
G144DRE	FIELDQC	01/08/2001	FIELDQC	0.00	0.00	0.00	0.00
G144DRT	FIELDQC	01/08/2001	FIELDQC	0.00	0.00	0.00	0.00
G145DGE	FIELDQC	01/05/2001	FIELDQC	0.00	0.00	0.00	0.00
G145DGT	FIELDQC	01/05/2001	FIELDQC	0.00	0.00	0.00	0.00
G145DRE	FIELDQC	01/09/2001	FIELDQC	0.00	0.00	0.00	0.00
G145DRT	FIELDQC	01/09/2001	FIELDQC	0.00	0.00	0.00	0.00
G146DAE	FIELDQC	01/15/2001	FIELDQC	0.00	0.00	0.00	0.00
G146DAT	FIELDQC	01/15/2001	FIELDQC	0.00	0.00	0.00	0.00
G146DHE	FIELDQC	01/16/2001	FIELDQC	0.00	0.00	0.00	0.00
G146DHT	FIELDQC	01/16/2001	FIELDQC	0.00	0.00	0.00	0.00
G147DAE	FIELDQC	01/17/2001	FIELDQC	0.00	0.00	0.00	0.00
G147DAT	FIELDQC	01/17/2001	FIELDQC	0.00	0.00	0.00	0.00
G147DSE	FIELDQC	01/19/2001	FIELDQC	0.00	0.00	0.00	0.00
G147DST	FIELDQC	01/19/2001	FIELDQC	0.00	0.00	0.00	0.00
G148DJE	FIELDQC	01/18/2001	FIELDQC	0.00	0.00	0.00	0.00
G148DJT	FIELDQC	01/18/2001	FIELDQC	0.00	0.00	0.00	0.00
G149DAE	FIELDQC	01/29/2001	FIELDQC	0.00	0.00	0.00	0.00
G149DEE	FIELDQC	01/30/2001	FIELDQC	0.00	0.00	0.00	0.00
G149DME	FIELDQC	01/31/2001	FIELDQC	0.00	0.00	0.00	0.00
HC103BI1AAE	FIELDQC	01/04/2001	FIELDQC	0.00	0.00	0.00	0.00
HC103BJ1AAE	FIELDQC	01/05/2001	FIELDQC	0.00	0.00	0.00	0.00
W142M1T	FIELDQC	01/29/2001	FIELDQC	0.00	0.00	0.00	0.00
W28M1F	FIELDQC	01/10/2001	FIELDQC	0.00	0.00	0.00	0.00

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
1/1/2001-1/31/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W28M2T	FIELDQC	01/12/2001	FIELDQC	0.00	0.00	0.00	0.00
W94M2T	FIELDQC	01/11/2001	FIELDQC	0.00	0.00	0.00	0.00
WW013101E	FIELDQC	01/31/2001	FIELDQC	0.00	0.00	0.00	0.00
WW013101T	FIELDQC	01/31/2001	FIELDQC	0.00	0.00	0.00	0.00
90EW0001AA	90EW0001A	01/18/2001	GROUNDWATER	83.00	83.00	63.00	63.00
90EW0001BA	90EW0001B	01/19/2001	GROUNDWATER	93.00	93.00	71.80	71.80
90EW0001CA	90EW0001C	01/19/2001	GROUNDWATER	103.00	103.00	81.80	81.80
90EW0001CD	90EW0001C	01/19/2001	GROUNDWATER	103.00	103.00	81.80	81.80
90EW0001DA	90EW0001D	01/19/2001	GROUNDWATER	113.00	113.00	91.80	91.80
90EW0001EA	90EW0001E	01/22/2001	GROUNDWATER	123.00	123.00	102.00	102.00
90EW0001FA	90EW0001F	01/22/2001	GROUNDWATER	133.00	133.00	112.00	112.00
90EW0001GA	90EW0001G	01/23/2001	GROUNDWATER	143.00	143.00	122.00	122.00
90EW0002AA	90EW0002A	01/19/2001	GROUNDWATER	86.00	86.00	61.30	61.30
90EW0002BA	90EW0002B	01/19/2001	GROUNDWATER	96.00	96.00	71.30	71.30
90EW0002CA	90EW0002C	01/19/2001	GROUNDWATER	106.00	106.00	81.30	81.30
90EW0002DA	90EW0002D	01/22/2001	GROUNDWATER	116.00	116.00	91.20	91.20
90EW0002EA	90EW0002E	01/23/2001	GROUNDWATER	126.00	126.00	101.20	101.20
90EW0002FA	90EW0002F	01/23/2001	GROUNDWATER	136.00	136.00	111.20	111.20
90EW0002GA	90EW0002G	01/23/2001	GROUNDWATER	146.00	146.00	121.20	121.20
90EW0003AA	90EW0003A	01/23/2001	GROUNDWATER	95.00	95.00	64.15	64.15
90EW0003BA	90EW0003B	01/23/2001	GROUNDWATER	105.00	105.00	74.15	74.15
90EW0003CA	90EW0003C	01/23/2001	GROUNDWATER	115.00	115.00	84.15	84.15
90EW0003DA	90EW0003D	01/24/2001	GROUNDWATER	125.00	125.00	91.10	91.10
90EW0003DD	90EW0003D	01/24/2001	GROUNDWATER	125.00	125.00	91.10	91.10
90EW0003EA	90EW0003E	01/24/2001	GROUNDWATER	135.00	135.00	101.10	101.10
90EW0003FA	90EW0003F	01/24/2001	GROUNDWATER	145.00	145.00	111.10	111.10
90EW0003GA	90EW0003G	01/24/2001	GROUNDWATER	155.00	155.00	121.10	121.10
90MP0059AA	90MP0059A	01/26/2001	GROUNDWATER	95.00	105.00	0.00	0.00
90MP0059BA	90MP0059B	01/26/2001	GROUNDWATER	112.00	117.00	0.00	0.00
90MP0059CA	90MP0059C	01/30/2001	GROUNDWATER			0.00	0.00
90MP0060AA	90MP0060A	01/26/2001	GROUNDWATER	170.00	172.00	0.00	0.00
90MP0060BA	90MP0060B	01/25/2001	GROUNDWATER	151.00	152.00	0.00	0.00
90MP0060CA	90MP0060C	01/25/2001	GROUNDWATER	126.00	128.00	0.00	0.00
90MP0060CD	90MP0060C	01/25/2001	GROUNDWATER	126.00	128.00	0.00	0.00
90MP0060DA	90MP0060D	01/25/2001	GROUNDWATER	102.00	104.00	0.00	0.00
90MW0006	90MW0006	01/23/2001	GROUNDWATER	132.00	137.00	52.75	57.75
90MW0010AA	90MW0010	01/31/2001	GROUNDWATER	11.00	21.00	0.00	7.35
90MW0022AA	90MW0022	01/30/2001	GROUNDWATER	111.00	116.00	70.41	75.41
90MW0054AA	90MW0054	01/30/2001	GROUNDWATER	107.00	112.00	90.41	95.41
90MW0054AD	90MW0054	01/30/2001	GROUNDWATER	107.00	112.00	90.41	95.41
90MW0063AA	90MW0063	01/30/2001	GROUNDWATER	50.00	55.00	31.55	36.55
90MW0063AD	90MW0063	01/30/2001	GROUNDWATER	50.00	55.00	31.55	36.55
90MW0070AA	90MW0070	01/31/2001	GROUNDWATER	132.50	137.50	75.05	80.05
90MW0071AA	90MW0071	01/31/2001	GROUNDWATER	150.00	155.00	78.70	83.70

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

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
90MW0101	90MW0101	01/26/2001	GROUNDWATER	113.00	118.00	104.40	109.40
90MW0102	90MW0102	01/26/2001	GROUNDWATER	113.00	118.00	108.20	113.20
RS0009CARR	RS0009CARR	01/09/2001	GROUNDWATER			0.00	0.00
W100M1A	MW-100	01/27/2001	GROUNDWATER	179.00	189.00	43.80	53.80
W100M2A	MW-100	01/27/2001	GROUNDWATER	164.00	174.00	0.00	10.00
W100M2D	MW-100	01/27/2001	GROUNDWATER	164.00	174.00	0.00	10.00
W101M1A	MW-101	01/22/2001	GROUNDWATER	158.00	168.00	24.98	34.98
W101SSA	MW-101	01/22/2001	GROUNDWATER	131.00	141.00	0.00	10.00
W102M1A	MW-102	01/05/2001	GROUNDWATER	267.00	277.00	121.07	131.07
W102M1D	MW-102	01/05/2001	GROUNDWATER	267.00	277.00	121.07	131.07
W102M2A	MW-102	01/05/2001	GROUNDWATER	237.00	247.00	90.92	100.92
W102SSA	MW-102	01/08/2001	GROUNDWATER	145.00	155.00	0.00	10.00
W103M1A	MW-103	01/17/2001	GROUNDWATER	298.00	308.00	153.66	163.66
W103M2A	MW-103	01/05/2001	GROUNDWATER	282.00	292.00	137.67	147.67
W103SSA	MW-103	01/05/2001	GROUNDWATER	143.00	153.00	0.00	10.00
W104M1A	MW-104	01/12/2001	GROUNDWATER	155.00	165.00	34.50	44.50
W104M2A	MW-104	01/15/2001	GROUNDWATER	135.00	145.00	14.68	24.68
W104SSA	MW-104	01/11/2001	GROUNDWATER	118.00	128.00	0.00	10.00
W105M1A	MW-105	01/27/2001	GROUNDWATER	205.00	215.00	74.65	84.65
W105M2A	MW-105	01/27/2001	GROUNDWATER	165.00	175.00	34.55	44.55
W106M1A	MW-106	01/27/2001	GROUNDWATER	170.50	180.50	34.75	44.75
W106M2A	MW-106	01/27/2001	GROUNDWATER	140.50	150.50	4.70	14.70
W107M1A	MW-107	01/27/2001	GROUNDWATER	155.00	165.00	32.65	42.65
W107M2A	MW-107	01/27/2001	GROUNDWATER	125.00	135.00	2.65	12.65
W107M2D	MW-107	01/27/2001	GROUNDWATER	125.00	135.00	2.65	12.65
W108DDA	MW-108	01/15/2001	GROUNDWATER	317.00	327.00	150.50	160.50
W108M1A	MW-108	01/16/2001	GROUNDWATER	297.00	307.00	130.06	140.06
W108M2A	MW-108	01/16/2001	GROUNDWATER	282.00	292.00	115.45	125.45
W108M3A	MW-108	01/15/2001	GROUNDWATER	262.00	272.00	95.46	105.46
W108M4A	MW-108	01/15/2001	GROUNDWATER	240.00	250.00	73.41	83.41
W109SSA	MW-109	01/16/2001	GROUNDWATER	89.00	99.00	0.00	10.00
W110M1A	MW-110	01/15/2001	GROUNDWATER	315.50	325.50	139.00	149.00
W110M2A	MW-110	01/15/2001	GROUNDWATER	248.50	258.50	72.50	82.50
W110M3A	MW-110	01/15/2001	GROUNDWATER	220.50	230.50	44.50	54.50
W110M3D	MW-110	01/15/2001	GROUNDWATER	220.50	230.50	44.50	54.50
W111M1A	MW-111	01/17/2001	GROUNDWATER	224.00	234.00	78.80	88.80
W111M2A	MW-111	01/17/2001	GROUNDWATER	182.00	192.00	46.80	56.80
W111M3A	MW-111	01/17/2001	GROUNDWATER	165.00	175.00	29.80	39.80
W112M1A	MW-112	01/16/2001	GROUNDWATER	195.00	205.00	54.35	64.35
W112M2A	MW-112	01/16/2001	GROUNDWATER	165.00	175.00	24.20	34.20
W112M2D	MW-112	01/16/2001	GROUNDWATER	165.00	175.00	24.20	34.20
W113M1A	MW-113	01/16/2001	GROUNDWATER	240.00	250.00	95.90	105.90
W113M2A	MW-113	01/15/2001	GROUNDWATER	190.00	200.00	47.14	57.14
W118M1A	MW-118	01/08/2001	GROUNDWATER	146.00	156.00	34.40	44.40

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

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W118SSA	MW-118	01/08/2001	GROUNDWATER	116.00	126.00	4.45	14.45
W123M1A	MW-123	01/16/2001	GROUNDWATER	291.00	301.00	145.40	155.40
W123M2A	MW-123	01/16/2001	GROUNDWATER	236.00	246.00	90.50	100.50
W123SSA	MW-123	01/16/2001	GROUNDWATER	139.00	149.00	0.00	10.00
W124M1A	MW-124	01/16/2001	GROUNDWATER	234.00	244.00	100.30	110.30
W124M1D	MW-124	01/16/2001	GROUNDWATER	234.00	244.00	100.30	110.30
W124M2A	MW-124	01/16/2001	GROUNDWATER	219.00	229.00	85.25	95.25
W124M3A	MW-124	01/16/2001	GROUNDWATER	160.00	170.00	26.24	36.24
W129M1A	MW-129	01/02/2001	GROUNDWATER	136.00	146.00	64.04	74.04
W129M2A	MW-129	01/02/2001	GROUNDWATER	116.00	126.00	44.02	54.02
W129SSA	MW-129	01/02/2001	GROUNDWATER	96.00	106.00	23.35	33.35
W131M1A	MW-131	01/08/2001	GROUNDWATER	195.00	205.00	96.15	106.15
W131SSA	MW-131	01/08/2001	GROUNDWATER	96.00	106.00	0.00	10.00
W134M1A	MW-134	01/09/2001	GROUNDWATER	250.00	260.00	113.90	123.90
W134M2A	MW-134	01/09/2001	GROUNDWATER	170.00	180.00	24.08	44.08
W134SSA	MW-134	01/09/2001	GROUNDWATER	133.00	143.00	0.00	10.00
W135M1A	MW-134	01/09/2001	GROUNDWATER	319.00	329.00	24.08	44.08
W135M2A	MW-135	01/09/2001	GROUNDWATER	280.00	290.00	90.90	100.90
W135M3A	MW-135	01/09/2001	GROUNDWATER	239.00	249.00	49.90	59.90
W138M1A	MW-138	01/09/2001	GROUNDWATER	253.00	263.00	129.65	139.65
W138M2A	MW-138	01/09/2001	GROUNDWATER	151.00	161.00	27.25	37.25
W138M3A	MW-138	01/15/2001	GROUNDWATER	135.00	145.00	11.55	21.55
W138M3D	MW-138	01/15/2001	GROUNDWATER	135.00	145.00	11.55	21.55
W142M1A	MW-142	01/29/2001	GROUNDWATER	225.00	235.00	180.50	190.50
W142M2A	MW-142	01/29/2001	GROUNDWATER	140.00	150.00	95.10	105.10
W142SSA	MW-142	01/29/2001	GROUNDWATER	42.00	52.00	0.00	10.00
W15M1A	MW-15	01/11/2001	GROUNDWATER	163.00	173.00	51.00	61.00
W15M2A	MW-15	01/11/2001	GROUNDWATER	144.00	154.00	32.00	42.00
W15M3A	MW-15	01/11/2001	GROUNDWATER	124.00	134.00	12.00	22.00
W28M1A	MW-28	01/10/2001	GROUNDWATER	270.00	280.00	168.50	178.50
W28M1A	MW-28	01/12/2001	GROUNDWATER	270.00	280.00	168.50	178.50
W28M1D	MW-28	01/10/2001	GROUNDWATER	270.00	280.00	168.50	178.50
W28M2A	MW-28	01/10/2001	GROUNDWATER	175.00	185.00	73.50	83.50
W28M2A	MW-28	01/12/2001	GROUNDWATER	175.00	185.00	73.50	83.50
W86M1A	MW-86	01/03/2001	GROUNDWATER	208.00	218.00	62.32	72.32
W86M2A	MW-86	01/03/2001	GROUNDWATER	158.00	168.00	12.37	22.37
W86M2D	MW-86	01/03/2001	GROUNDWATER	158.00	168.00	12.37	22.37
W86SSA	MW-86	01/03/2001	GROUNDWATER	143.00	153.00	0.00	10.00
W87M1A	MW-87	01/10/2001	GROUNDWATER	194.00	204.00	59.53	69.53
W87M2A	MW-87	01/10/2001	GROUNDWATER	169.00	179.00	34.42	44.42
W87SSA	MW-87	01/10/2001	GROUNDWATER	140.00	150.00	0.00	10.00
W88M1A	MW-88	01/10/2001	GROUNDWATER	233.00	243.00	89.58	99.58
W88M2A	MW-88	01/10/2001	GROUNDWATER	213.00	223.00	69.60	79.60
W88M3A	MW-88	01/10/2001	GROUNDWATER	173.00	183.00	29.56	39.56

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1/1/2001-1/31/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W89M1A	MW-89	01/11/2001	GROUNDWATER	234.00	244.00	89.17	99.17
W89M2A	MW-89	01/11/2001	GROUNDWATER	214.00	224.00	68.95	78.95
W89M3A	MW-89	01/11/2001	GROUNDWATER	174.00	184.00	28.82	38.82
W90M1A	MW-90	01/20/2001	GROUNDWATER	145.00	155.00	24.45	34.45
W90SSA	MW-90	01/20/2001	GROUNDWATER	118.00	128.00	0.00	10.00
W91M1A	MW-91	01/20/2001	GROUNDWATER	170.00	180.00	42.85	52.85
W91SSA	MW-91	01/20/2001	GROUNDWATER	124.00	134.00	0.00	10.00
W92M1A	MW-92	01/13/2001	GROUNDWATER	165.00	175.00	24.06	34.06
W92SSA	MW-92	01/13/2001	GROUNDWATER	139.00	149.00	0.00	10.00
W93M1A	MW-93	01/22/2001	GROUNDWATER	185.00	195.00	54.20	64.20
W93M1D	MW-93	01/22/2001	GROUNDWATER	185.00	195.00	54.20	64.20
W93SSA	MW-93	01/20/2001	GROUNDWATER	145.00	155.00	14.05	24.05
W94M1A	MW-94	01/12/2001	GROUNDWATER	160.00	170.00	34.03	44.03
W94M1D	MW-94	01/12/2001	GROUNDWATER	160.00	170.00	34.03	44.03
W94M2A	MW-94	01/11/2001	GROUNDWATER	140.00	150.00	14.04	24.04
W94SSA	MW-94	01/12/2001	GROUNDWATER	124.00	134.00	0.00	10.00
W95M1A	MW-95	01/10/2001	GROUNDWATER	202.00	212.00	74.99	84.99
W95M2A	MW-95	01/10/2001	GROUNDWATER	167.00	177.00	39.95	49.95
W95SSA	MW-95	01/10/2001	GROUNDWATER	125.00	135.00	0.00	10.00
W96M1A	MW-96	01/08/2001	GROUNDWATER	206.00	216.00	69.69	79.69
W96M2A	MW-96	01/08/2001	GROUNDWATER	160.00	170.00	23.52	33.52
W96SSA	MW-96	01/09/2001	GROUNDWATER	134.00	144.00	0.00	10.00
W97M1A	MW-97	01/03/2001	GROUNDWATER	235.00	245.00	110.00	120.00
W97M2A	MW-97	01/03/2001	GROUNDWATER	185.00	195.00	59.97	69.97
W97M3A	MW-97	01/08/2001	GROUNDWATER	140.00	150.00	15.03	25.03
W98M1A	MW-98	01/13/2001	GROUNDWATER	164.00	174.00	25.06	35.06
W98SSA	MW-98	01/13/2001	GROUNDWATER	137.00	147.00	0.00	10.00
W99M1A	MW-99	01/13/2001	GROUNDWATER	195.00	205.00	55.00	65.00
W99SSA	MW-99	01/13/2001	GROUNDWATER	133.00	143.00	0.00	10.00
DW013001	GAC WATER	01/30/2001	IDW			0.00	0.00
DW1410109	GACWATER	01/09/2001	IDW			0.00	0.00
DW144012401	GAC WATER	01/24/2001	IDW			0.00	0.00
DWDEC012901	GAC WATER	01/29/2001	IDW			0.00	0.00
PWPPC15JA0A	RRA CONTAINMENT	01/15/2001	IDW			0.00	0.00
PWPPC16JA0A	RRA CONTAINMENT	01/16/2001	IDW			0.00	0.00
PWPPC19JA0A	RRA CONTAINMENT	01/19/2001	IDW			0.00	0.00
PWPPC25JA1A	RRA CONTAINMENT	01/25/2001	IDW			0.00	0.00
PWPPC30JA1A	RRA CONTAINMENT	01/30/2001	IDW			0.00	0.00
PWPPC31JA1A	RRA CONTAINMENT	01/31/2001	IDW			0.00	0.00
SC13801	SOIL CUTTINGS	01/24/2001	IDW	0.00	0.25	0.00	0.00
SC13802	SOIL CUTTINGS	01/24/2001	IDW	0.00	0.25	0.00	0.00
SC13901	SOIL CUTTINGS	01/24/2001	IDW	0.00	0.25	0.00	0.00
SC13902	SOIL CUTTINGS	01/24/2001	IDW	0.00	0.25	0.00	0.00
SC14001	SOIL CUTTINGS	01/24/2001	IDW	0.00	0.25	0.00	0.00

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1/1/2001-1/31/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
SC14002	SOIL CUTTINGS	01/24/2001	IDW	0.00	0.25	0.00	0.00
SC14101	SOIL CUTTINGS	01/24/2001	IDW	0.00	0.25	0.00	0.00
SC14102	SOIL CUTTINGS	01/24/2001	IDW	0.00	0.25	0.00	0.00
SC14201	SOIL CUTTINGS	01/24/2001	IDW	0.00	0.25	0.00	0.00
SC14202	SOIL CUTTINGS	01/24/2001	IDW	0.00	0.25	0.00	0.00
SC14301	SOIL CUTTINGS	01/24/2001	IDW	0.00	0.25	0.00	0.00
SC14302	SOIL CUTTINGS	01/24/2001	IDW	0.00	0.25	0.00	0.00
SC14401	SOIL CUTTINGS	01/24/2001	IDW	0.00	0.25	0.00	0.00
SC14402	SOIL CUTTINGS	01/24/2001	IDW	0.00	0.25	0.00	0.00
SC14501	SOIL CUTTINGS	01/24/2001	IDW	0.00	0.25	0.00	0.00
SC14502	SOIL CUTTINGS	01/24/2001	IDW	0.00	0.25	0.00	0.00
SC14601	SOIL CUTTINGS	01/24/2001	IDW	0.00	0.25	0.00	0.00
SC14602	SOIL CUTTINGS	01/24/2001	IDW	0.00	0.25	0.00	0.00
SC14701	SOIL CUTTINGS	01/24/2001	IDW	0.00	0.25	0.00	0.00
SC14702	SOIL CUTTINGS	01/24/2001	IDW	0.00	0.25	0.00	0.00
SC14801	SOIL CUTTINGS	01/24/2001	IDW	0.00	0.25	0.00	0.00
SC14802	SOIL CUTTINGS	01/24/2001	IDW	0.00	0.25	0.00	0.00
G143DEA	MW-143	01/02/2001	PROFILE	80.00	80.00	46.10	46.10
G143DFA	MW-143	01/02/2001	PROFILE	90.00	90.00	56.10	56.10
G143DFD	MW-143	01/02/2001	PROFILE	90.00	90.00	56.10	56.10
G143DGA	MW-143	01/02/2001	PROFILE	100.00	100.00	66.10	66.10
G143DHA	MW-143	01/02/2001	PROFILE	110.00	110.00	76.10	76.10
G143DIA	MW-143	01/03/2001	PROFILE	120.00	120.00	86.10	86.10
G143DJA	MW-143	01/03/2001	PROFILE	130.00	130.00	96.10	96.10
G143DKA	MW-143	01/03/2001	PROFILE	140.00	140.00	106.10	106.10
G143DLA	MW-143	01/03/2001	PROFILE	150.00	150.00	116.10	116.10
G143DMA	MW-143	01/04/2001	PROFILE	160.00	160.00	126.10	126.10
G143DMD	MW-143	01/04/2001	PROFILE	160.00	160.00	126.10	136.10
G143DNA	MW-143	01/04/2001	PROFILE	170.00	170.00	136.10	136.10
G143DOA	MW-143	01/04/2001	PROFILE	180.00	180.00	146.10	146.10
G143DPA	MW-143	01/04/2001	PROFILE	190.00	190.00	156.10	156.10
G143DQA	MW-143	01/04/2001	PROFILE	200.00	200.00	166.10	166.10
G143DRA	MW-143	01/04/2001	PROFILE	210.00	210.00	176.10	176.10
G143DSA	MW-143	01/05/2001	PROFILE	220.00	220.00	186.10	186.10
G143DUA	MW-143	01/05/2001	PROFILE	240.00	240.00	206.10	206.10
G143DUD	MW-143	01/05/2001	PROFILE	240.00	240.00	206.10	206.10
G144DAA	MW-144	01/03/2001	PROFILE	30.00	30.00	1.70	1.70
G144DBA	MW-144	01/03/2001	PROFILE	40.00	40.00	11.70	11.70
G144DCA	MW-144	01/03/2001	PROFILE	50.00	50.00	21.70	21.70
G144DCD	MW-144	01/03/2001	PROFILE	50.00	50.00	21.70	21.70
G144DDA	MW-144	01/03/2001	PROFILE	60.00	60.00	31.70	31.70
G144DEA	MW-144	01/04/2001	PROFILE	70.00	70.00	41.70	41.70
G144DFA	MW-144	01/04/2001	PROFILE	80.00	80.00	51.70	51.70
G144DGA	MW-144	01/04/2001	PROFILE	90.00	90.00	61.70	61.70

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1/1/2001-1/31/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G144DHA	MW-144	01/04/2001	PROFILE	100.00	100.00	71.70	71.70
G144DIA	MW-144	01/04/2001	PROFILE	110.00	110.00	81.70	81.70
G144DJA	MW-144	01/04/2001	PROFILE	120.00	120.00	91.70	91.70
G144DKA	MW-144	01/04/2001	PROFILE	130.00	130.00	101.70	101.70
G144DLA	MW-144	01/04/2001	PROFILE	140.00	140.00	111.70	111.70
G144DLD	MW-144	01/04/2001	PROFILE	140.00	140.00	111.70	111.70
G144DMA	MW-144	01/05/2001	PROFILE	150.00	150.00	121.70	121.70
G144DNA	MW-144	01/05/2001	PROFILE	160.00	160.00	131.70	131.70
G144DOA	MW-144	01/05/2001	PROFILE	170.00	170.00	141.70	141.70
G144DPA	MW-144	01/05/2001	PROFILE	180.00	180.00	151.70	151.70
G144DQA	MW-144	01/05/2001	PROFILE	190.00	190.00	161.70	161.70
G144DRA	MW-144	01/08/2001	PROFILE	200.00	200.00	171.70	171.70
G144DSA	MW-144	01/08/2001	PROFILE	210.00	210.00	181.70	181.70
G144DUA	MW-144	01/08/2001	PROFILE	230.00	230.00	201.70	201.70
G144DUD	MW-144	01/08/2001	PROFILE	230.00	230.00	201.70	201.70
G145DAA	MW-145	01/04/2001	PROFILE	40.00	40.00	6.40	6.40
G145DBA	MW-145	01/04/2001	PROFILE	50.00	50.00	16.40	16.40
G145DCA	MW-145	01/04/2001	PROFILE	60.00	60.00	26.40	26.40
G145DCD	MW-145	01/04/2001	PROFILE	60.00	60.00	26.40	26.40
G145DDA	MW-145	01/04/2001	PROFILE	70.00	70.00	36.40	36.40
G145DEA	MW-145	01/04/2001	PROFILE	80.00	80.00	46.40	46.40
G145DFA	MW-145	01/04/2001	PROFILE	90.00	90.00	56.40	56.40
G145DGA	MW-145	01/05/2001	PROFILE	100.00	100.00	66.40	66.40
G145DHA	MW-145	01/05/2001	PROFILE	110.00	110.00	76.40	76.40
G145DIA	MW-145	01/05/2001	PROFILE	120.00	120.00	86.40	86.40
G145DJA	MW-145	01/05/2001	PROFILE	130.00	130.00	96.40	96.40
G145DKA	MW-145	01/05/2001	PROFILE	140.00	140.00	106.40	106.40
G145DLA	MW-145	01/05/2001	PROFILE	150.00	150.00	116.40	116.40
G145DLD	MW-145	01/05/2001	PROFILE	150.00	150.00	116.40	116.40
G145DMA	MW-145	01/08/2001	PROFILE	160.00	160.00	126.40	126.40
G145DNA	MW-145	01/08/2001	PROFILE	170.00	170.00	136.40	136.40
G145DOA	MW-145	01/08/2001	PROFILE	180.00	180.00	146.40	146.40
G145DPA	MW-145	01/08/2001	PROFILE	190.00	190.00	156.40	156.40
G145DQA	MW-145	01/09/2001	PROFILE	200.00	200.00	166.40	166.40
G145DRA	MW-145	01/09/2001	PROFILE	210.00	210.00	176.40	176.40
G145DSA	MW-145	01/09/2001	PROFILE	220.00	220.00	186.40	186.40
G145DTA	MW-145	01/09/2001	PROFILE	230.00	230.00	196.40	196.40
G145DTD	MW-145	01/09/2001	PROFILE	230.00	230.00	196.40	196.40
G146DAA	MW-146	01/15/2001	PROFILE	100.00	100.00	5.90	5.90
G146DBA	MW-146	01/15/2001	PROFILE	110.00	110.00	15.90	15.90
G146DCA	MW-146	01/15/2001	PROFILE	120.00	120.00	25.90	25.90
G146DCD	MW-146	01/15/2001	PROFILE	120.00	120.00	25.90	25.90
G146DDA	MW-146	01/15/2001	PROFILE	130.00	130.00	35.90	35.90
G146DEA	MW-146	01/15/2001	PROFILE	140.00	140.00	45.90	45.95

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

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G146DFA	MW-146	01/15/2001	PROFILE	150.00	150.00	55.90	55.95
G146DGA	MW-146	01/15/2001	PROFILE	160.00	160.00	65.90	65.90
G146DHA	MW-146	01/16/2001	PROFILE	170.00	170.00	75.90	75.90
G146DIA	MW-146	01/16/2001	PROFILE	180.00	180.00	85.90	85.90
G146DJA	MW-146	01/16/2001	PROFILE	190.00	190.00	95.90	95.90
G146DKA	MW-146	01/16/2001	PROFILE	200.00	200.00	105.90	105.90
G146DLA	MW-146	01/16/2001	PROFILE	210.00	210.00	115.90	115.90
G146DLD	MW-146	01/16/2001	PROFILE	210.00	210.00	115.90	115.90
G146DMA	MW-146	01/17/2001	PROFILE	220.00	220.00	125.90	125.90
G146DNA	MW-146	01/17/2001	PROFILE	230.00	230.00	135.90	135.90
G146DOA	MW-146	01/17/2001	PROFILE	240.00	240.00	145.90	145.90
G146DPA	MW-146	01/17/2001	PROFILE	250.00	250.00	155.90	155.90
G146DQA	MW-146	01/17/2001	PROFILE	260.00	260.00	165.90	165.90
G146DRA	MW-146	01/17/2001	PROFILE	270.00	270.00	175.90	175.90
G146DSA	MW-146	01/18/2001	PROFILE	280.00	280.00	185.90	185.90
G146DTA	MW-146	01/18/2001	PROFILE	290.00	290.00	195.90	195.90
G147DAA	MW-147	01/17/2001	PROFILE	90.00	90.00	13.40	13.40
G147DBA	MW-147	01/17/2001	PROFILE	100.00	100.00	23.40	23.40
G147DCA	MW-147	01/17/2001	PROFILE	110.00	110.00	33.40	33.40
G147DCD	MW-147	01/17/2001	PROFILE	110.00	110.00	33.40	33.40
G147DDA	MW-147	01/17/2001	PROFILE	120.00	120.00	43.40	43.40
G147DEA	MW-147	01/17/2001	PROFILE	130.00	130.00	53.40	53.40
G147DFA	MW-147	01/17/2001	PROFILE	140.00	140.00	63.40	63.40
G147DGA	MW-147	01/17/2001	PROFILE	150.00	150.00	73.40	73.40
G147DHA	MW-147	01/17/2001	PROFILE	160.00	160.00	83.40	83.40
G147DIA	MW-147	01/18/2001	PROFILE	170.00	170.00	93.40	93.40
G147DJA	MW-147	01/18/2001	PROFILE	180.00	180.00	103.40	103.40
G147DKA	MW-147	01/18/2001	PROFILE	190.00	190.00	113.40	113.40
G147DLA	MW-147	01/18/2001	PROFILE	200.00	200.00	123.40	123.40
G147DLD	MW-147	01/18/2001	PROFILE	210.00	210.00	133.40	133.40
G147DMA	MW-147	01/18/2001	PROFILE	220.00	220.00	143.40	143.40
G147DOA	MW-147	01/18/2001	PROFILE	230.00	230.00	153.40	153.40
G147DPA	MW-147	01/18/2001	PROFILE	240.00	240.00	163.40	163.40
G147DQA	MW-147	01/18/2001	PROFILE	250.00	250.00	173.40	173.40
G147DRA	MW-147	01/19/2001	PROFILE	260.00	260.00	183.40	183.40
G147DSA	MW-147	01/19/2001	PROFILE	270.00	270.00	193.40	193.40
G147DTA	MW-147	01/19/2001	PROFILE	276.00	276.00	199.40	199.40
G147DTD	MW-147	01/19/2001	PROFILE	276.00	276.00	199.40	199.40
G148DAA	MW-148	01/17/2001	PROFILE	70.00	70.00	7.00	7.00
G148DBA	MW-148	01/17/2001	PROFILE	80.00	80.00	17.00	17.00
G148DCA	MW-148	01/17/2001	PROFILE	90.00	90.00	27.00	27.00
G148DCD	MW-148	01/17/2001	PROFILE	90.00	90.00	27.00	27.00
G148DDA	MW-148	01/17/2001	PROFILE	100.00	100.00	37.00	37.00
G148DEA	MW-148	01/17/2001	PROFILE	110.00	110.00	47.00	47.00

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

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G148DFA	MW-148	01/17/2001	PROFILE	120.00	120.00	57.00	57.00
G148DGA	MW-148	01/17/2001	PROFILE	130.00	130.00	67.00	67.00
G148DHA	MW-148	01/17/2001	PROFILE	140.00	140.00	77.00	77.00
G148DIA	MW-148	01/17/2001	PROFILE	150.00	150.00	87.00	87.00
G148DJA	MW-148	01/18/2001	PROFILE	160.00	160.00	97.00	97.00
G148DKA	MW-148	01/18/2001	PROFILE	170.00	170.00	107.00	107.00
G148DLA	MW-148	01/18/2001	PROFILE	180.00	180.00	117.00	117.00
G148DLD	MW-148	01/18/2001	PROFILE	180.00	180.00	117.00	117.00
G148DMA	MW-148	01/18/2001	PROFILE	190.00	190.00	127.00	127.00
G148DNA	MW-148	01/18/2001	PROFILE	200.00	200.00	137.00	137.00
G148DOA	MW-148	01/18/2001	PROFILE	210.00	210.00	147.00	147.00
G148DPA	MW-148	01/18/2001	PROFILE	220.00	220.00	157.00	157.00
G148DQA	MW-148	01/18/2001	PROFILE	230.00	230.00	167.00	167.00
G148DRA	MW-148	01/18/2001	PROFILE	240.00	240.00	177.00	177.00
G148DSA	MW-148	01/18/2001	PROFILE	250.00	250.00	187.00	187.00
G149DAA	MW-149	01/29/2001	PROFILE	120.00	120.00	12.50	12.50
G149DBA	MW-149	01/29/2001	PROFILE	130.00	130.00	22.50	22.50
G149DCA	MW-149	01/29/2001	PROFILE	140.00	140.00	32.50	32.50
G149DDA	MW-149	01/29/2001	PROFILE	150.00	150.00	44.50	44.50
G149DDD	MW-149	01/29/2001	PROFILE	150.00	150.00	44.50	44.50
G149DEA	MW-149	01/30/2001	PROFILE	160.00	160.00	52.50	52.50
G149DFA	MW-149	01/30/2001	PROFILE	170.00	170.00	62.50	62.50
G149DGA	MW-149	01/30/2001	PROFILE	180.00	180.00	72.50	72.50
G149DHA	MW-149	01/30/2001	PROFILE	190.00	190.00	82.50	82.50
G149DIA	MW-149	01/30/2001	PROFILE	200.00	200.00	92.50	92.50
G149DJA	MW-149	01/30/2001	PROFILE	210.00	210.00	102.50	102.50
G149DKA	MW-149	01/30/2001	PROFILE	220.00	220.00	112.50	112.50
G149DLA	MW-149	01/30/2001	PROFILE	230.00	230.00	122.50	122.50
G149DMA	MW-149	01/31/2001	PROFILE	240.00	240.00	132.50	132.50
G149DMD	MW-149	01/31/2001	PROFILE	240.00	240.00	132.50	132.50
G149DNA	MW-149	01/31/2001	PROFILE	250.00	250.00	142.50	142.50
G149DOA	MW-149	01/31/2001	PROFILE	260.00	260.00	152.50	152.50
0.A.1.00547.1.0	A.1.00547.R	01/17/2001	SOIL GRID	2.00	2.25	0.00	0.00
0.A.1.00547.1.D	A.1.00547.R	01/17/2001	SOIL GRID	2.00	2.25	0.00	0.00
0.A.1.00547.2.0	A.1.00547.R	01/17/2001	SOIL GRID	2.00	2.25	0.00	0.00
0.A.1.00547.2.D	A.1.00547.R	01/17/2001	SOIL GRID	2.00	2.25	0.00	0.00
0.A.1.00547.3.0	A.1.00547.R	01/17/2001	SOIL GRID	2.00	2.25	0.00	0.00
0.A.1.00547.3.D	A.1.00547.R	01/17/2001	SOIL GRID	2.00	2.25	0.00	0.00
0.A.1.00547.4.0	A.1.00547.R	01/17/2001	SOIL GRID	2.00	2.25	0.00	0.00
0.A.1.00547.4.D	A.1.00547.R	01/17/2001	SOIL GRID	2.00	2.25	0.00	0.00
0.A.1.00547.5.0	A.1.00547.R	01/17/2001	SOIL GRID	2.00	2.25	0.00	0.00
0.A.1.00547.5.D	A.1.00547.R	01/17/2001	SOIL GRID	2.00	2.25	0.00	0.00
0.A.2.00503.1.0	A.2.00503.R	01/17/2001	SOIL GRID	1.75	2.00	0.00	0.00
0.A.2.00503.2.0	A.2.00503.R	01/17/2001	SOIL GRID	1.75	2.00	0.00	0.00

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

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
0.A.2.00503.3.0	A.2.00503.R	01/17/2001	SOIL GRID	1.75	2.00	0.00	0.00
0.A.2.00503.4.0	A.2.00503.R	01/17/2001	SOIL GRID	1.75	2.00	0.00	0.00
0.A.2.00503.5.0	A.2.00503.R	01/17/2001	SOIL GRID	1.75	2.00	0.00	0.00
0.A.2.00514.1.0	A.2.00514.R	01/19/2001	SOIL GRID	2.50	2.75	0.00	0.00
0.A.2.00514.2.0	A.2.00514.R	01/19/2001	SOIL GRID	2.50	2.75	0.00	0.00
0.A.2.00514.3.0	A.2.00514.R	01/19/2001	SOIL GRID	2.50	2.75	0.00	0.00
0.A.2.00514.4.0	A.2.00514.R	01/19/2001	SOIL GRID	2.50	2.75	0.00	0.00
0.A.2.00514.5.0	A.2.00514.R	01/19/2001	SOIL GRID	2.50	2.75	0.00	0.00
0.A.2.00515.1.0	A.2.00515.R	01/19/2001	SOIL GRID	1.50	1.75	0.00	0.00
0.A.2.00515.2.0	A.2.00515.R	01/19/2001	SOIL GRID	1.50	1.75	0.00	0.00
0.A.2.00515.3.0	A.2.00515.R	01/19/2001	SOIL GRID	1.50	1.75	0.00	0.00
0.A.2.00515.4.0	A.2.00515.R	01/19/2001	SOIL GRID	1.50	1.75	0.00	0.00
0.A.2.00515.5.0	A.2.00515.R	01/19/2001	SOIL GRID	1.50	1.75	0.00	0.00
0.A.3.00240.1.0	0.A.3.00240.1.0	01/04/2001	SOIL GRID			0.00	0.00
0.A.3.00240.1.D	0.A.3.00240.1.0	01/04/2001	SOIL GRID			0.00	0.00
0.A.3.00240.10.0	H1.A.3.00240.R	01/08/2001	SOIL GRID	1.00	1.25	0.00	0.00
0.A.3.00240.10.D	H1.A.3.00240.R	01/08/2001	SOIL GRID	1.00	1.25	0.00	0.00
0.A.3.00240.6.0	H1.A.3.00240.R	01/08/2001	SOIL GRID	1.00	1.25	0.00	0.00
0.A.3.00240.6.D	H1.A.3.00240.R	01/08/2001	SOIL GRID	1.00	1.25	0.00	0.00
0.A.3.00240.7.0	H1.A.3.00240.R	01/08/2001	SOIL GRID	1.00	1.25	0.00	0.00
0.A.3.00240.7.D	H1.A.3.00240.R	01/08/2001	SOIL GRID	1.00	1.25	0.00	0.00
0.A.3.00240.8.0	H1.A.3.00240.R	01/08/2001	SOIL GRID	1.00	1.25	0.00	0.00
0.A.3.00240.8.D	H1.A.3.00240.R	01/08/2001	SOIL GRID	1.00	1.25	0.00	0.00
0.A.3.00240.9.0	H1.A.3.00240.R	01/08/2001	SOIL GRID	1.00	1.25	0.00	0.00
0.A.3.00240.9.D	H1.A.3.00240.R	01/08/2001	SOIL GRID	1.00	1.25	0.00	0.00
0.A.3.00241.1.0	H1.A.3.00241.R	01/11/2001	SOIL GRID	0.75	1.00	0.00	0.00
0.A.3.00241.10.0	H1.A.3.00241.R	01/15/2001	SOIL GRID	0.75	1.00	0.00	0.00
0.A.3.00241.2.0	H1.A.3.00241.R	01/11/2001	SOIL GRID	0.75	1.00	0.00	0.00
0.A.3.00241.3.0	H1.A.3.00241.R	01/11/2001	SOIL GRID	0.75	1.00	0.00	0.00
0.A.3.00241.4.0	H1.A.3.00241.R	01/11/2001	SOIL GRID	0.75	1.00	0.00	0.00
0.A.3.00241.5.0	H1.A.3.00241.R	01/11/2001	SOIL GRID	0.75	1.00	0.00	0.00
0.A.3.00241.6.0	H1.A.3.00241.R	01/15/2001	SOIL GRID	0.75	1.00	0.00	0.00
0.A.3.00241.7.0	H1.A.3.00241.R	01/15/2001	SOIL GRID	0.75	1.00	0.00	0.00
0.A.3.00241.8.0	H1.A.3.00241.R	01/15/2001	SOIL GRID	0.75	1.00	0.00	0.00
0.A.3.00241.9.0	H1.A.3.00241.R	01/15/2001	SOIL GRID	0.75	1.00	0.00	0.00
2.F.0.00001.2.0	Test Plot 2 Lift 2 Soil	01/30/2001	SOIL GRID	3.00	6.00	0.00	0.00
2.F.0.00002.2.0	Test Plot 2 Lift 2 Soil	01/30/2001	SOIL GRID	3.00	6.00	0.00	0.00
2.F.0.00003.2.0	Test Plot 2 Lift 2 Soil	01/30/2001	SOIL GRID	3.00	6.00	0.00	0.00
2.F.0.00004.2.0	Test Plot 2 Lift 2 Soil	01/30/2001	SOIL GRID	3.00	6.00	0.00	0.00
2.F.0.00005.2.0	Test Plot 2 Lift 2 Soil	01/30/2001	SOIL GRID	3.00	6.00	0.00	0.00
2.F.0.00006.2.0	Test Plot 2 Lift 2 Soil	01/30/2001	SOIL GRID	3.00	6.00	0.00	0.00
2.F.0.00007.2.0	Test Plot 2 Lift 2 Soil	01/30/2001	SOIL GRID	3.00	6.00	0.00	0.00
2.F.0.00008.2.0	Test Plot 2 Lift 2 Soil	01/30/2001	SOIL GRID	3.00	6.00	0.00	0.00
2.F.0.00009.2.0	Test Plot 2 Lift 2 Soil	01/30/2001	SOIL GRID	3.00	6.00	0.00	0.00

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

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
2.F.0.00010.2.0	Test Plot 2 Lift 2 Soil	01/30/2001	SOIL GRID	3.00	6.00	0.00	0.00
2.F.0.00010.2.D	Test Plot 2 Lift 2 Soil	01/30/2001	SOIL GRID	3.00	6.00	0.00	0.00
2.F.0.00011.2.0	Test Plot 2 Lift 2 Soil	01/30/2001	SOIL GRID	3.00	6.00	0.00	0.00
2.F.0.00012.2.0	Test Plot 2 Lift 2 Soil	01/30/2001	SOIL GRID	3.00	6.00	0.00	0.00
2.F.0.00013.2.0	Test Plot 2 Lift 2 Soil	01/30/2001	SOIL GRID	3.00	6.00	0.00	0.00
2.F.0.00014.2.0	Test Plot 2 Lift 2 Soil	01/30/2001	SOIL GRID	3.00	6.00	0.00	0.00
AVERYEPHAA	AVERYEPHAA	01/24/2001	SOIL GRID			0.00	0.00
AVERYVPHAA	AVERYVPHAA	01/24/2001	SOIL GRID			0.00	0.00
HC103BI1AAA	103BI	01/04/2001	SOIL GRID	0.00	0.25	0.00	0.00
HC103BI1BAA	103BI	01/04/2001	SOIL GRID	0.25	0.50	0.00	0.00
HC103BI1CAA	103BI	01/04/2001	SOIL GRID	0.50	1.00	0.00	0.00
HC103BJ1AAA	103BJ	01/05/2001	SOIL GRID	0.00	0.25	0.00	0.00
HC103BJ1BAA	103BJ	01/05/2001	SOIL GRID	0.25	0.50	0.00	0.00
HC103BJ1CAA	103BJ	01/05/2001	SOIL GRID	0.50	1.00	0.00	0.00
HD103BI1AAA	103BI	01/04/2001	SOIL GRID	0.00	0.25	0.00	0.00
HD103BI1BAA	103BI	01/04/2001	SOIL GRID	0.25	0.50	0.00	0.00
HD103BI1CAA	103BI	01/04/2001	SOIL GRID	0.50	1.00	0.00	0.00
HD103BI3AAA	103BI	01/04/2001	SOIL GRID	0.00	0.25	0.00	0.00
HD103BI3AAD	103BI	01/04/2001	SOIL GRID	0.00	0.25	0.00	0.00
HD103BI3BAA	103BI	01/04/2001	SOIL GRID	0.25	0.50	0.00	0.00
HD103BI3CAA	103BI	01/04/2001	SOIL GRID	0.50	1.00	0.00	0.00
HD103BI3CAD	103BI	01/04/2001	SOIL GRID	0.50	1.00	0.00	0.00
HD103BI5AAA	103BI	01/04/2001	SOIL GRID	0.00	0.25	0.00	0.00
HD103BI5BAA	103BI	01/04/2001	SOIL GRID	0.25	0.50	0.00	0.00
HD103BI5CAA	103BI	01/04/2001	SOIL GRID	0.50	1.00	0.00	0.00
HD103BI7AAA	103BI	01/04/2001	SOIL GRID	0.00	0.25	0.00	0.00
HD103BI7BAA	103BI	01/04/2001	SOIL GRID	0.25	0.50	0.00	0.00
HD103BI7CAA	103BI	01/04/2001	SOIL GRID	0.50	1.00	0.00	0.00
HD103BJ1AAA	103BJ	01/05/2001	SOIL GRID	0.00	0.25	0.00	0.00
HD103BJ1BAA	103BJ	01/05/2001	SOIL GRID	0.25	0.50	0.00	0.00
HD103BJ1CAA	103BJ	01/05/2001	SOIL GRID	0.50	1.00	0.00	0.00
HD103BJ3AAA	103BJ	01/05/2001	SOIL GRID	0.00	0.25	0.00	0.00
HD103BJ3AAD	103BJ	01/05/2001	SOIL GRID	0.00	0.25	0.00	0.00
HD103BJ3BAA	103BJ	01/05/2001	SOIL GRID	0.25	0.50	0.00	0.00
HD103BJ3CAA	103BJ	01/05/2001	SOIL GRID	0.50	1.00	0.00	0.00
HD103BJ3CAD	103BJ	01/05/2001	SOIL GRID	0.50	1.00	0.00	0.00
HD103BJ5AAA	103BJ	01/05/2001	SOIL GRID	0.00	0.25	0.00	0.00
HD103BJ5BAA	103BJ	01/05/2001	SOIL GRID	0.25	0.50	0.00	0.00
HD103BJ5CAA	103BJ	01/05/2001	SOIL GRID	0.50	1.00	0.00	0.00
HD103BJ7AAA	103BJ	01/05/2001	SOIL GRID	0.00	0.25	0.00	0.00
HD103BJ7BAA	103BJ	01/05/2001	SOIL GRID	0.25	0.50	0.00	0.00
HD103BJ7CAA	103BJ	01/05/2001	SOIL GRID	0.50	1.00	0.00	0.00
J1.A.1.00047.3.0	J1.1.00047.R	01/08/2001	SOIL GRID	0.50	0.75	0.00	0.00
J1.A.2.00173.3.0	J1.2.00173.R	01/15/2001	SOIL GRID	0.75	1.00	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
1/1/2001-1/31/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
J1.A.2.00182.3.0	J1.2.00182.R	01/15/2001	SOIL GRID	0.25	0.50	0.00	0.00
J3.A.2.00010.3.0	J3.2.00010.R	01/15/2001	SOIL GRID	0.00	0.25	0.00	0.00
J3.A.3.00242.1.0	J3.3.00242.R	01/15/2001	SOIL GRID	0.75	1.00	0.00	0.00
J3.A.3.00242.1.D	J3.3.00242.R	01/15/2001	SOIL GRID	0.75	1.00	0.00	0.00
J3.A.3.00242.2.0	J3.3.00242.R	01/15/2001	SOIL GRID	0.75	1.00	0.00	0.00
J3.A.3.00242.2.D	J3.3.00242.R	01/15/2001	SOIL GRID	0.75	1.00	0.00	0.00
J3.A.3.00243.3.0	J3.3.00243.R	01/15/2001	SOIL GRID	0.75	1.00	0.00	0.00
J3.A.3.00297.1.0	J3.3.00297.R	01/15/2001	SOIL GRID	1.00	1.25	0.00	0.00
J3.A.3.00297.2.0	J3.3.00297.R	01/15/2001	SOIL GRID	1.00	1.25	0.00	0.00
J3.A.3.00298.1.0	J3.3.00298.R	01/15/2001	SOIL GRID	0.75	1.00	0.00	0.00
J3.A.3.00298.1.D	J3.3.00298.R	01/15/2001	SOIL GRID	0.75	1.00	0.00	0.00
J3.A.3.00298.2.0	J3.3.00298.R	01/15/2001	SOIL GRID	0.75	1.00	0.00	0.00
J3.A.3.00298.2.D	J3.3.00298.R	01/15/2001	SOIL GRID	0.75	1.00	0.00	0.00
SP.A.1.00543.1.0	SP.A.1.00543.R	01/11/2001	SOIL GRID	0.00	0.25	0.00	0.00
SP.A.1.00543.10.0	SP.A.1.00543.R	01/15/2001	SOIL GRID	0.00	0.25	0.00	0.00
SP.A.1.00543.2.0	SP.A.1.00543.R	01/11/2001	SOIL GRID	0.00	0.25	0.00	0.00
SP.A.1.00543.3.0	SP.A.1.00543.R	01/11/2001	SOIL GRID	0.00	0.25	0.00	0.00
SP.A.1.00543.4.0	SP.A.1.00543.R	01/11/2001	SOIL GRID	0.00	0.25	0.00	0.00
SP.A.1.00543.5.0	SP.A.1.00543.R	01/11/2001	SOIL GRID	0.00	0.25	0.00	0.00
SP.A.1.00543.6.0	SP.A.1.00543.R	01/15/2001	SOIL GRID	0.00	0.25	0.00	0.00
SP.A.1.00543.7.0	SP.A.1.00543.R	01/15/2001	SOIL GRID	0.00	0.25	0.00	0.00
SP.A.1.00543.8.0	SP.A.1.00543.R	01/15/2001	SOIL GRID	0.00	0.25	0.00	0.00
SP.A.1.00543.9.0	SP.A.1.00543.R	01/15/2001	SOIL GRID	0.00	0.25	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 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH JANUARY 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
ECMWSNP02	ECMWSNP02D	09/13/1999	504	1,2-DIBROMOETHANE (ETHYI	110.00		NG/L	79.90	84.90	50.00	X
MW-41	W41M1A	05/18/2000	8151	PENTACHLOROPHENOL	1.80	J	UG/L	110.00	120.00	1.00	X
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-31	W31SSA	05/15/2000	8330N	2,4,6-TRINITROTOLUENE	3.30		UG/L	0.00	10.00	2.00	X
MW-31	W31SSA	08/09/2000	8330N	2,4,6-TRINITROTOLUENE	3.90	J	UG/L	0.00	10.00	2.00	X
MW-31	W31DDA	08/09/2000	8330N	2,4,6-TRINITROTOLUENE	3.90	J	UG/L	49.00	54.00	2.00	X
58MW0002	WC2XXA	02/26/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	19.00		UG/L	4.00	9.00	2.00	X
58MW0002	WC2XXA	01/14/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	20.00		UG/L	4.00	9.00	2.00	X
58MW0002	WC2XXA	10/08/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.80		UG/L	4.00	9.00	2.00	X
58MW0009E	WC9EXA	10/02/1997	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.70		UG/L	21.00	26.00	2.00	X
58MW0009E	WC9EXA	01/26/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	17.00		UG/L	21.00	26.00	2.00	X
58MW0009E	WC9EXA	09/28/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	18.00		UG/L	21.00	26.00	2.00	X
58MW0009E	WC9EXD	09/28/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	18.00		UG/L	21.00	26.00	2.00	X
90MW0022	WF22XA	01/26/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.80		UG/L	80.00	85.00	2.00	X
90MW0022	WF22XA	02/16/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.40		UG/L	80.00	85.00	2.00	X
90MW0022	WF22XA	09/30/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.20		UG/L	80.00	85.00	2.00	X
90WT0013	WF13XA	01/16/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.20	J	UG/L	2.00	12.00	2.00	X
MW-1	W01SSA	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
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	W01MMA	09/29/1997	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.60		UG/L	40.00	45.00	2.00	X
MW-1	W01M2A	03/01/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20		UG/L	40.00	45.00	2.00	X
MW-1	W01M2A	05/10/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.90		UG/L	40.00	45.00	2.00	X
MW-1	W01M2A	07/31/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.40	J	UG/L	40.00	45.00	2.00	X

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

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
MW-1	W01M2A	11/18/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.10		UG/L	40.00	45.00	2.00	X
MW-1	W01M2D	11/18/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.00		UG/L	40.00	45.00	2.00	X
MW-100	W100M1A	06/06/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.30		UG/L	44.48	54.48	2.00	X
MW-100	W100M1D	06/06/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.30		UG/L	44.48	54.48	2.00	X
MW-101	W101M1A	06/06/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	25.38	35.38	2.00	X
MW-105	W105M1A	06/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.90		UG/L	75.08	85.08	2.00	X
MW-107	W107M2A	06/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.00		UG/L	3.11	13.11	2.00	X
MW-113	W113M2A	09/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	9.20		UG/L	47.14	57.14	2.00	X
MW-132	W132SSA	11/09/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	03/05/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	190.00		UG/L	0.00	10.00	2.00	X
MW-19	W19S2A	07/20/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	260.00		UG/L	0.00	10.00	2.00	X
MW-19	W19S2D	07/20/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	260.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	02/12/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	250.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	09/10/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	240.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	05/12/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	150.00	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	05/23/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	160.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	08/08/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	290.00		UG/L	0.00	10.00	2.00	X
MW-2	W02M2A	01/20/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	13.00		UG/L	31.00	36.00	2.00	X
MW-2	W02M2A	02/03/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.80		UG/L	31.00	36.00	2.00	X
MW-2	W02M2A	09/03/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.80		UG/L	31.00	36.00	2.00	X
MW-2	W02M2A	05/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.30	J	UG/L	31.00	36.00	2.00	X
MW-2	W02M2A	08/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	31.00	36.00	2.00	X
MW-2	W02M1A	08/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	73.00	78.00	2.00	X
MW-23	W23M1A	11/07/1997	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.30	J	UG/L	99.00	109.00	2.00	X
MW-23	W23M1A	03/18/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.40		UG/L	99.00	109.00	2.00	X
MW-23	W23M1D	03/18/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.70		UG/L	99.00	109.00	2.00	X
MW-23	W23M1A	09/13/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.10		UG/L	99.00	109.00	2.00	X
MW-23	W23M1A	05/12/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.60	J	UG/L	99.00	109.00	2.00	X
MW-23	W23M1A	08/08/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.30		UG/L	99.00	109.00	2.00	X
MW-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	0.00	10.00	2.00	X
MW-31	W31SSA	02/01/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	210.00		UG/L	0.00	10.00	2.00	X
MW-31	W31SSA	09/15/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	50.00		UG/L	0.00	10.00	2.00	X
MW-31	W31SSA	05/15/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	110.00		UG/L	0.00	10.00	2.00	X

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

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
MW-31	W31SSA	08/09/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	140.00		UG/L	0.00	10.00	2.00	X
MW-31	W31MMA	07/15/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	280.00		UG/L	29.00	39.00	2.00	X
MW-31	W31MMA	02/02/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	370.00		UG/L	29.00	39.00	2.00	X
MW-31	W31MMA	09/15/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	29.00	39.00	2.00	X
MW-31	W31M1A	05/15/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	19.00		UG/L	29.00	39.00	2.00	X
MW-31	W31M1A	08/09/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	14.00		UG/L	29.00	39.00	2.00	X
MW-31	W31DDA	08/09/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	150.00		UG/L	49.00	54.00	2.00	X
MW-34	W34M2A	02/19/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.20		UG/L	55.00	65.00	2.00	X
MW-34	W34M2A	05/18/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.70		UG/L	55.00	65.00	2.00	X
MW-34	W34M2A	08/10/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.10		UG/L	55.00	65.00	2.00	X
MW-34	W34M1A	05/17/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20		UG/L	75.00	85.00	2.00	X
MW-34	W34M1A	08/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.00		UG/L	75.00	85.00	2.00	X
MW-37	W37M2A	09/29/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.90		UG/L	28.00	38.00	2.00	X
MW-37	W37M2A	12/29/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.60		UG/L	28.00	38.00	2.00	X
MW-37	W37M2A	03/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.10		UG/L	28.00	38.00	2.00	X
MW-37	W37M2A	08/31/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.80	J	UG/L	28.00	38.00	2.00	X
MW-38	W38M3A	05/06/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	53.00	63.00	2.00	X
MW-38	W38M3A	08/18/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.60		UG/L	53.00	63.00	2.00	X
MW-38	W38M3A	11/10/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.00		UG/L	53.00	63.00	2.00	X
MW-38	W38M3A	05/16/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.90	J	UG/L	53.00	63.00	2.00	X
MW-38	W38M3A	08/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.60		UG/L	53.00	63.00	2.00	X
MW-38	W38M3A	11/20/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	53.00	63.00	2.00	X
MW-40	W40M1A	09/21/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.80		UG/L	15.50	25.50	2.00	X
MW-40	W40M1D	09/21/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.60		UG/L	15.50	25.50	2.00	X
MW-40	W40M1A	12/30/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.00	J	UG/L	15.50	25.50	2.00	X
MW-40	W40M1A	04/14/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.00	J	UG/L	15.50	25.50	2.00	X
MW-40	W40M1A	09/01/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40	J	UG/L	15.50	25.50	2.00	X
MW-58	W58SSA	11/23/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.70	J	UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	02/15/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.00		UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	05/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.40	J	UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	09/05/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.10		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	07/09/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	50.00	J	UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	09/16/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	63.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	11/02/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	57.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	06/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	44.00		UG/L	0.00	10.00	2.00	X

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
MW-73	W73SSA	09/05/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	0.00	10.00	2.00	X
MW-76	W76SSA	01/20/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	11.00		UG/L	0.00	10.00	2.00	X
MW-76	W76SSA	05/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.50	J	UG/L	0.00	10.00	2.00	X
MW-76	W76SSA	08/01/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	0.00	10.00	2.00	X
MW-76	W76M2A	01/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	31.00		UG/L	35.00	45.00	2.00	X
MW-76	W76M2D	01/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	35.00	45.00	2.00	X
MW-76	W76M2A	05/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	37.00	J	UG/L	35.00	45.00	2.00	X
MW-76	W76M2A	08/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	31.00		UG/L	35.00	45.00	2.00	X
MW-77	W77M2A	01/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	150.00		UG/L	35.00	45.00	2.00	X
MW-77	W77M2A	05/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	100.00	J	UG/L	35.00	45.00	2.00	X
MW-77	W77M2A	08/01/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	97.00	J	UG/L	35.00	45.00	2.00	X
MW-85	W85M1A	05/22/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	18.39	28.39	2.00	X
MW-86	W86SSA	04/28/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50	J	UG/L	0.00	10.00	2.00	X
MW-87	W87M1A	04/28/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.50	J	UG/L	59.53	69.53	2.00	X
MW-87	W87M1A	09/14/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.00		UG/L	59.53	69.53	2.00	X
MW-88	W88M2A	05/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.00		UG/L	69.60	79.60	2.00	X
MW-88	W88M2A	09/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.70		UG/L	69.60	79.60	2.00	X
MW-89	W89M2A	05/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.30		UG/L	68.95	78.95	2.00	X
MW-89	W89M2A	09/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.30		UG/L	68.95	78.95	2.00	X
MW-90	W90SSA	05/19/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.40	J	UG/L	0.00	10.00	2.00	X
MW-91	W91SSA	05/19/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	12.00		UG/L	0.00	10.00	2.00	X
MW-91	W91M1A	05/22/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	18.00		UG/L	43.47	53.37	2.00	X
MW-93	W93M2A	05/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.20		UG/L	14.50	24.50	2.00	X
MW-93	W93M1A	05/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20	J	UG/L	54.90	64.90	2.00	X
MW-95	W95M1A	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20		UG/L	74.99	84.99	2.00	X
MW-98	W98M1A	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.10		UG/L	25.06	35.06	2.00	X
MW-99	W99M1A	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.90		UG/L	55.00	65.00	2.00	X
MW-99	W99M1D	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.90		UG/L	55.00	65.00	2.00	X
ASPWELL	ASPWELL	07/20/1999	E200.8	LEAD	53.00		UG/L	0.00	0.00	15.00	X
MW-1	W01SSA	09/07/1999	IM40MB	ANTIMONY	6.70	J	UG/L	0.00	10.00	6.00	X
MW-3	W03DDL	03/06/1998	IM40MB	ANTIMONY	13.80	J	UG/L	218.00	223.00	6.00	X
MW-34	W34M2A	08/16/1999	IM40MB	ANTIMONY	6.60	J	UG/L	55.00	65.00	6.00	X
MW-35	W35SSA	08/19/1999	IM40MB	ANTIMONY	6.90	J	UG/L	0.00	10.00	6.00	X
MW-35	W35SSD	08/19/1999	IM40MB	ANTIMONY	13.80	J	UG/L	0.00	10.00	6.00	X
MW-36	W36SSA	08/17/1999	IM40MB	ANTIMONY	6.70	J	UG/L	0.00	10.00	6.00	X

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1997 THROUGH JANUARY 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
MW-38	W38SSA	08/18/1999	IM40MB	ANTIMONY	7.40		UG/L	0.00	10.00	6.00	X
MW-38	W38M3A	08/18/1999	IM40MB	ANTIMONY	6.60	J	UG/L	53.00	63.00	6.00	X
MW-38	W38DDA	08/17/1999	IM40MB	ANTIMONY	6.90	J	UG/L	125.00	135.00	6.00	X
MW-39	W39M1A	08/18/1999	IM40MB	ANTIMONY	7.50		UG/L	87.00	97.00	6.00	X
MW-50	W50M1A	05/15/2000	IM40MB	ANTIMONY	9.50		UG/L	90.00	100.00	6.00	X
PPAWSMW-3	PPAWSMW-3	08/12/1999	IM40MB	ANTIMONY	6.00	J	UG/L	0.00	10.00	6.00	X
MW-7	W07M1A	09/07/1999	IM40MB	ARSENIC	52.80		UG/L	67.00	72.00	50.00	X
MW-52	W52M3L	08/27/1999	IM40MB	CADMIUM	12.20		UG/L	26.00	36.00	5.00	X
MW-7	W07M1A	09/07/1999	IM40MB	CHROMIUM, TOTAL	114.00		UG/L	67.00	72.00	100.00	X
MW-2	W02SSA	02/23/1998	IM40MB	LEAD	20.10		UG/L	0.00	10.00	15.00	X
MW-7	W07M1A	09/07/1999	IM40MB	LEAD	40.20		UG/L	67.00	72.00	15.00	X
MW-7	W07M1D	09/07/1999	IM40MB	LEAD	18.30		UG/L	67.00	72.00	15.00	X
MW-13	W13SSA	01/27/1998	IM40MB	MOLYBDENUM	11.20		UG/L	0.00	10.00	10.00	X
MW-13	W13SSL	01/27/1998	IM40MB	MOLYBDENUM	10.40	J	UG/L	0.00	10.00	10.00	X
MW-13	W13DDA	01/26/1998	IM40MB	MOLYBDENUM	26.60		UG/L	140.00	145.00	10.00	X
MW-13	W13DDL	01/26/1998	IM40MB	MOLYBDENUM	30.40		UG/L	140.00	145.00	10.00	X
MW-13	W13DDA	03/11/1999	IM40MB	MOLYBDENUM	11.00		UG/L	140.00	145.00	10.00	X
MW-13	W13DDD	03/11/1999	IM40MB	MOLYBDENUM	12.10	J	UG/L	140.00	145.00	10.00	X
MW-13	W13DDA	09/09/1999	IM40MB	MOLYBDENUM	17.30		UG/L	140.00	145.00	10.00	X
MW-13	W13DDA	05/17/2000	IM40MB	MOLYBDENUM	17.00		UG/L	140.00	145.00	10.00	X
MW-13	W13DDD	05/17/2000	IM40MB	MOLYBDENUM	16.80		UG/L	140.00	145.00	10.00	X
MW-16	W16SSA	03/10/1999	IM40MB	MOLYBDENUM	21.00	J	UG/L	0.00	10.00	10.00	X
MW-16	W16DDA	03/09/1999	IM40MB	MOLYBDENUM	22.20		UG/L	108.00	113.00	10.00	X
MW-16	W16DDD	03/09/1999	IM40MB	MOLYBDENUM	23.20		UG/L	108.00	113.00	10.00	X
MW-16	W16DDA	09/09/1999	IM40MB	MOLYBDENUM	18.00	J	UG/L	108.00	113.00	10.00	X
MW-16	W16DDA	05/17/2000	IM40MB	MOLYBDENUM	12.20		UG/L	108.00	113.00	10.00	X
MW-16	W16DDA	08/03/2000	IM40MB	MOLYBDENUM	12.40		UG/L	108.00	113.00	10.00	X
MW-16	W16DDA	11/16/2000	IM40MB	MOLYBDENUM	16.80		UG/L	108.00	113.00	10.00	X
MW-17	W17M1L	05/18/1999	IM40MB	MOLYBDENUM	12.60		UG/L	97.00	107.00	10.00	X
MW-2	W02SSA	02/23/1998	IM40MB	MOLYBDENUM	72.10		UG/L	0.00	10.00	10.00	X
MW-2	W02SSL	02/23/1998	IM40MB	MOLYBDENUM	63.30		UG/L	0.00	10.00	10.00	X
MW-2	W02SSA	02/01/1999	IM40MB	MOLYBDENUM	26.10	J	UG/L	0.00	10.00	10.00	X
MW-2	W02SSL	02/01/1999	IM40MB	MOLYBDENUM	34.00		UG/L	0.00	10.00	10.00	X
MW-2	W02SSA	09/02/1999	IM40MB	MOLYBDENUM	29.00		UG/L	0.00	10.00	10.00	X
MW-2	W02SSL	09/02/1999	IM40MB	MOLYBDENUM	27.10		UG/L	0.00	10.00	10.00	X

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1997 THROUGH JANUARY 2001

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MW-2	W02DDA	02/02/1999	IM40MB	MOLYBDENUM	25.60		UG/L	287.00	295.00	10.00	X
MW-2	W02DDL	02/02/1999	IM40MB	MOLYBDENUM	26.30	J	UG/L	287.00	295.00	10.00	X
MW-2	W02DDA	09/03/1999	IM40MB	MOLYBDENUM	12.80		UG/L	287.00	295.00	10.00	X
MW-45	W45SSA	05/29/2000	IM40MB	MOLYBDENUM	10.40		UG/L	0.00	10.00	10.00	X
MW-46	W46M2A	03/30/1999	IM40MB	MOLYBDENUM	48.90		UG/L	55.00	65.00	10.00	X
MW-46	W46M2L	03/30/1999	IM40MB	MOLYBDENUM	51.00		UG/L	55.00	65.00	10.00	X
MW-46	W46M2A	08/24/1999	IM40MB	MOLYBDENUM	17.40		UG/L	55.00	65.00	10.00	X
MW-46	W46M1A	03/29/1999	IM40MB	MOLYBDENUM	32.80		UG/L	102.00	112.00	10.00	X
MW-46	W46DDA	04/01/1999	IM40MB	MOLYBDENUM	17.20		UG/L	135.00	145.00	10.00	X
MW-47	W47M3A	03/29/1999	IM40MB	MOLYBDENUM	43.10		UG/L	21.00	31.00	10.00	X
MW-47	W47M3L	03/29/1999	IM40MB	MOLYBDENUM	40.50		UG/L	21.00	31.00	10.00	X
MW-47	W47M2A	03/26/1999	IM40MB	MOLYBDENUM	11.00		UG/L	38.00	48.00	10.00	X
MW-48	W48M1A	11/23/1999	IM40MB	MOLYBDENUM	17.90		UG/L	90.00	100.00	10.00	X
MW-5	W05DDA	02/13/1998	IM40MB	MOLYBDENUM	28.30		UG/L	220.00	225.00	10.00	X
MW-5	W05DDL	02/13/1998	IM40MB	MOLYBDENUM	26.60		UG/L	220.00	225.00	10.00	X
MW-50	W50M2A	04/26/1999	IM40MB	MOLYBDENUM	20.60		UG/L	59.00	69.00	10.00	X
MW-50	W50M1A	04/27/1999	IM40MB	MOLYBDENUM	11.80		UG/L	90.00	100.00	10.00	X
MW-52	W52M3A	04/07/1999	IM40MB	MOLYBDENUM	72.60		UG/L	26.00	36.00	10.00	X
MW-52	W52M3L	04/07/1999	IM40MB	MOLYBDENUM	67.60		UG/L	26.00	36.00	10.00	X
MW-52	W52M3A	08/27/1999	IM40MB	MOLYBDENUM	23.40		UG/L	26.00	36.00	10.00	X
MW-52	W52M3L	08/27/1999	IM40MB	MOLYBDENUM	23.10		UG/L	26.00	36.00	10.00	X
MW-52	W52M3L	11/08/1999	IM40MB	MOLYBDENUM	10.50		UG/L	26.00	36.00	10.00	X
MW-52	W52M2A	04/29/1999	IM40MB	MOLYBDENUM	15.30		UG/L	74.00	84.00	10.00	X
MW-52	W52M2L	04/29/1999	IM40MB	MOLYBDENUM	18.50		UG/L	74.00	84.00	10.00	X
MW-52	W52DDA	04/02/1999	IM40MB	MOLYBDENUM	51.10		UG/L	219.00	229.00	10.00	X
MW-52	W52DDL	04/02/1999	IM40MB	MOLYBDENUM	48.90		UG/L	219.00	229.00	10.00	X
MW-52	W52DDA	08/30/1999	IM40MB	MOLYBDENUM	28.30		UG/L	219.00	229.00	10.00	X
MW-52	W52DDL	08/30/1999	IM40MB	MOLYBDENUM	26.80		UG/L	219.00	229.00	10.00	X
MW-52	W52DDA	11/09/1999	IM40MB	MOLYBDENUM	22.70		UG/L	219.00	229.00	10.00	X
MW-52	W52DDA	05/22/2000	IM40MB	MOLYBDENUM	12.20		UG/L	219.00	229.00	10.00	X
MW-52	W52DDA	08/17/2000	IM40MB	MOLYBDENUM	10.10		UG/L	219.00	229.00	10.00	X
MW-53	W53SSA	02/17/1999	IM40MB	MOLYBDENUM	24.90		UG/L	0.00	10.00	10.00	X
MW-53	W53SSL	02/17/1999	IM40MB	MOLYBDENUM	27.60		UG/L	0.00	10.00	10.00	X
MW-53	W53M1A	05/03/1999	IM40MB	MOLYBDENUM	122.00		UG/L	100.00	110.00	10.00	X
MW-53	W53M1L	05/03/1999	IM40MB	MOLYBDENUM	132.00		UG/L	100.00	110.00	10.00	X

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MW-53	W53M1A	08/30/1999	IM40MB	MOLYBDENUM	55.20		UG/L	100.00	110.00	10.00	X
MW-53	W53M1L	08/30/1999	IM40MB	MOLYBDENUM	54.10		UG/L	100.00	110.00	10.00	X
MW-53	W53M1A	11/05/1999	IM40MB	MOLYBDENUM	41.20		UG/L	100.00	110.00	10.00	X
MW-53	W53M1L	11/05/1999	IM40MB	MOLYBDENUM	38.20		UG/L	100.00	110.00	10.00	X
MW-53	W53M1A	06/01/2000	IM40MB	MOLYBDENUM	10.30	J	UG/L	100.00	110.00	10.00	X
MW-53	W53DDA	02/18/1999	IM40MB	MOLYBDENUM	15.90		UG/L	157.00	167.00	10.00	X
MW-53	W53DDL	02/18/1999	IM40MB	MOLYBDENUM	17.40		UG/L	157.00	167.00	10.00	X
MW-53	W53DDA	08/30/1999	IM40MB	MOLYBDENUM	11.50		UG/L	157.00	167.00	10.00	X
MW-54	W54SSA	04/30/1999	IM40MB	MOLYBDENUM	56.70		UG/L	0.00	10.00	10.00	X
MW-54	W54SSL	04/30/1999	IM40MB	MOLYBDENUM	66.20		UG/L	0.00	10.00	10.00	X
MW-54	W54SSA	08/27/1999	IM40MB	MOLYBDENUM	61.40		UG/L	0.00	10.00	10.00	X
MW-54	W54SSA	11/08/1999	IM40MB	MOLYBDENUM	25.50		UG/L	0.00	10.00	10.00	X
MW-54	W54M2A	05/04/1999	IM40MB	MOLYBDENUM	11.20		UG/L	58.00	68.00	10.00	X
MW-54	W54M2L	05/04/1999	IM40MB	MOLYBDENUM	13.10		UG/L	58.00	68.00	10.00	X
MW-54	W54M2A	08/27/1999	IM40MB	MOLYBDENUM	43.70		UG/L	58.00	68.00	10.00	X
MW-54	W54M2L	08/27/1999	IM40MB	MOLYBDENUM	43.20		UG/L	58.00	68.00	10.00	X
MW-54	W54M2A	11/08/1999	IM40MB	MOLYBDENUM	14.50		UG/L	58.00	68.00	10.00	X
MW-54	W54M1A	04/30/1999	IM40MB	MOLYBDENUM	11.80		UG/L	80.00	90.00	10.00	X
MW-54	W54DDA	05/05/1999	IM40MB	MOLYBDENUM	17.50		UG/L	126.00	136.00	10.00	X
MW-55	W55SSA	05/17/1999	IM40MB	MOLYBDENUM	15.90		UG/L	0.00	10.00	10.00	X
MW-55	W55M2A	05/14/1999	IM40MB	MOLYBDENUM	21.80		UG/L	60.00	70.00	10.00	X
MW-55	W55M1A	05/13/1999	IM40MB	MOLYBDENUM	12.50		UG/L	90.00	100.00	10.00	X
MW-55	W55DDA	05/13/1999	IM40MB	MOLYBDENUM	22.60		UG/L	120.00	130.00	10.00	X
MW-55	W55DDA	08/30/1999	IM40MB	MOLYBDENUM	14.20		UG/L	120.00	130.00	10.00	X
MW-55	W55DDA	11/08/1999	IM40MB	MOLYBDENUM	11.00		UG/L	120.00	130.00	10.00	X
MW-57	W57SSA	12/21/1999	IM40MB	MOLYBDENUM	15.20		UG/L	0.00	10.00	10.00	X
MW-57	W57SSD	12/21/1999	IM40MB	MOLYBDENUM	16.30		UG/L	0.00	10.00	10.00	X
MW-57	W57SSA	03/22/2000	IM40MB	MOLYBDENUM	10.30	J	UG/L	0.00	10.00	10.00	X
MW-57	W57SSD	03/22/2000	IM40MB	MOLYBDENUM	10.10	J	UG/L	0.00	10.00	10.00	X
MW-57	W57M3A	12/13/1999	IM40MB	MOLYBDENUM	21.90		UG/L	30.00	40.00	10.00	X
MW-57	W57M2A	03/22/2000	IM40MB	MOLYBDENUM	10.80	J	UG/L	60.00	70.00	10.00	X
MW-57	W57DDA	12/13/1999	IM40MB	MOLYBDENUM	18.60		UG/L	125.00	135.00	10.00	X
MW-57	W57DDL	12/13/1999	IM40MB	MOLYBDENUM	17.80		UG/L	125.00	135.00	10.00	X
MW-63	W63SSA	09/21/1999	IM40MB	MOLYBDENUM	12.70		UG/L	0.00	10.00	10.00	X
MW-63	W63SSL	09/21/1999	IM40MB	MOLYBDENUM	11.10		UG/L	0.00	10.00	10.00	X

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
MW-7	W07M1A	09/07/1999	IM40MB	MOLYBDENUM	10.20		UG/L	67.00	72.00	10.00	X
MW-81	W81M1A	10/13/1999	IM40MB	MOLYBDENUM	24.30		UG/L	99.00	109.00	10.00	X
MW-81	W81M1L	10/13/1999	IM40MB	MOLYBDENUM	22.10		UG/L	99.00	109.00	10.00	X
MW-81	W81DDA	08/17/2000	IM40MB	MOLYBDENUM	10.10		UG/L	155.00	165.00	10.00	X
MW-82	W82DDA	10/13/1999	IM40MB	MOLYBDENUM	15.40		UG/L	96.00	106.00	10.00	X
MW-82	W82DDL	10/13/1999	IM40MB	MOLYBDENUM	14.40		UG/L	96.00	106.00	10.00	X
MW-83	W83DDA	10/12/1999	IM40MB	MOLYBDENUM	13.40		UG/L	105.00	115.00	10.00	X
15MW0002	15MW0002	04/08/1999	IM40MB	SODIUM	37,600.00		UG/L	0.00	10.00	20,000.00	X
90WT0010	90WT0010	06/05/2000	IM40MB	SODIUM	23,600.00		UG/L	2.00	12.00	20,000.00	X
90WT0010	90WT0010-L	06/05/2000	IM40MB	SODIUM	24,200.00		UG/L	2.00	12.00	20,000.00	X
90WT0015	90WT0015	04/23/1999	IM40MB	SODIUM	34,300.00		UG/L	0.00	10.00	20,000.00	X
MW-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	287.00	295.00	20,000.00	X
MW-2	W02DDL	11/19/1997	IM40MB	SODIUM	22,600.00		UG/L	287.00	295.00	20,000.00	X
MW-21	W21SSA	10/24/1997	IM40MB	SODIUM	24,000.00		UG/L	0.00	10.00	20,000.00	X
MW-21	W21SSL	10/24/1997	IM40MB	SODIUM	24,200.00		UG/L	0.00	10.00	20,000.00	X
MW-21	W21SSA	11/15/2000	IM40MB	SODIUM	22,500.00		UG/L	0.00	10.00	20,000.00	X
MW-46	W46SSA	08/25/1999	IM40MB	SODIUM	20,600.00		UG/L	0.00	10.00	20,000.00	X
MW-46	W46SSA	09/12/2000	IM40MB	SODIUM	31,300.00		UG/L	0.00	10.00	20,000.00	X
MW-46	W46M2A	03/30/1999	IM40MB	SODIUM	23,300.00		UG/L	55.00	65.00	20,000.00	X
MW-46	W46M2L	03/30/1999	IM40MB	SODIUM	24,400.00		UG/L	55.00	65.00	20,000.00	X
MW-54	W54SSA	08/27/1999	IM40MB	SODIUM	33,300.00		UG/L	0.00	10.00	20,000.00	X
MW-57	W57M2A	12/21/1999	IM40MB	SODIUM	23,500.00		UG/L	60.00	70.00	20,000.00	X
MW-57	W57M2A	03/22/2000	IM40MB	SODIUM	24,500.00		UG/L	60.00	70.00	20,000.00	X
MW-57	W57M2A	06/30/2000	IM40MB	SODIUM	25,900.00		UG/L	60.00	70.00	20,000.00	X
MW-57	W57M2A	08/29/2000	IM40MB	SODIUM	23,200.00		UG/L	60.00	70.00	20,000.00	X
MW-57	W57M1A	12/14/1999	IM40MB	SODIUM	23,700.00		UG/L	100.00	110.00	20,000.00	X
MW-57	W57M1A	03/07/2000	IM40MB	SODIUM	20,900.00		UG/L	100.00	110.00	20,000.00	X
MW-57	W57M1A	07/05/2000	IM40MB	SODIUM	22,200.00		UG/L	100.00	110.00	20,000.00	X
MW-57	W57M1A	08/29/2000	IM40MB	SODIUM	20,100.00		UG/L	100.00	110.00	20,000.00	X

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1997 THROUGH JANUARY 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
SDW261160	WG160L	01/07/1998	IM40MB	SODIUM	20,600.00		UG/L	0.00	0.00	20,000.00	X
SDW261160	WG160A	01/13/1999	IM40MB	SODIUM	27,200.00		UG/L	0.00	0.00	20,000.00	X
SDW261160	WG160L	01/13/1999	IM40MB	SODIUM	28,200.00		UG/L	0.00	0.00	20,000.00	X
03MW0006	03MW0006	04/15/1999	IM40MB	THALLIUM	2.60	J	UG/L	0.00	10.00	2.00	X
03MW0022A	03MW0022A	04/16/1999	IM40MB	THALLIUM	3.90		UG/L	71.00	76.00	2.00	X
03MW0027A	03MW0027A	04/14/1999	IM40MB	THALLIUM	2.00	J	UG/L	64.00	69.00	2.00	X
11MW0004	11MW0004	04/16/1999	IM40MB	THALLIUM	2.30	J	UG/L	0.00	10.00	2.00	X
27MW0020Z	27MW0020Z	04/16/1999	IM40MB	THALLIUM	2.70	J	UG/L	98.00	103.00	2.00	X
90MW0038	90MW0038	04/21/1999	IM40MB	THALLIUM	4.40	J	UG/L	29.00	34.00	2.00	X
90WT0010	WF10XA	01/16/1998	IM40MB	THALLIUM	6.50	J	UG/L	2.00	12.00	2.00	X
LRWS1-4	WL14XA	01/07/1999	IM40MB	THALLIUM	5.20	J	UG/L	107.00	117.00	2.00	X
MW-1	W01SSA	09/07/1999	IM40MB	THALLIUM	2.90	J	UG/L	0.00	10.00	2.00	X
MW-127	W127SSA	11/15/2000	IM40MB	THALLIUM	2.40	J	UG/L	0.00	10.00	2.00	X
MW-18	W18SSA	03/12/1999	IM40MB	THALLIUM	2.30	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	09/10/1999	IM40MB	THALLIUM	3.80	J	UG/L	0.00	10.00	2.00	X
MW-19	W19DDL	02/11/1999	IM40MB	THALLIUM	3.10	J	UG/L	251.00	256.00	2.00	X
MW-2	W02DDD	08/02/2000	IM40MB	THALLIUM	4.90	J	UG/L	287.00	295.00	2.00	X
MW-21	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-37	W37M2A	12/29/1999	IM40MB	THALLIUM	4.90	J	UG/L	28.00	38.00	2.00	X
MW-38	W38M4A	08/18/1999	IM40MB	THALLIUM	2.80	J	UG/L	15.00	25.00	2.00	X
MW-38	W38M2A	05/11/1999	IM40MB	THALLIUM	4.90	J	UG/L	70.00	80.00	2.00	X
MW-41	W41M2A	04/02/1999	IM40MB	THALLIUM	2.50	J	UG/L	69.00	79.00	2.00	X
MW-42	W42M2A	11/19/1999	IM40MB	THALLIUM	4.00	J	UG/L	119.00	129.00	2.00	X
MW-45	W45SSA	05/26/1999	IM40MB	THALLIUM	3.00	J	UG/L	0.00	10.00	2.00	X
MW-45	W45SSA	08/31/2000	IM40MB	THALLIUM	4.40	J	UG/L	0.00	10.00	2.00	X
MW-46	W46M1A	05/16/2000	IM40MB	THALLIUM	5.30	J	UG/L	102.00	112.00	2.00	X
MW-46	W46DDA	11/02/1999	IM40MB	THALLIUM	5.10	J	UG/L	135.00	145.00	2.00	X
MW-47	W47M3A	08/25/1999	IM40MB	THALLIUM	3.20	J	UG/L	21.00	31.00	2.00	X
MW-47	W47M3A	05/31/2000	IM40MB	THALLIUM	5.00	J	UG/L	21.00	31.00	2.00	X
MW-47	W47M2A	03/26/1999	IM40MB	THALLIUM	3.20	J	UG/L	38.00	48.00	2.00	X
MW-47	W47M2A	08/25/1999	IM40MB	THALLIUM	4.00	J	UG/L	38.00	48.00	2.00	X
MW-47	W47M2A	05/30/2000	IM40MB	THALLIUM	4.50	J	UG/L	38.00	48.00	2.00	X

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1997 THROUGH JANUARY 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
MW-47	W47M1A	08/24/1999	IM40MB	THALLIUM	2.60	J	UG/L	75.00	85.00	2.00	X
MW-48	W48M3A	02/28/2000	IM40MB	THALLIUM	4.20	J	UG/L	29.73	39.73	2.00	X
MW-48	W48DAA	06/26/2000	IM40MB	THALLIUM	4.70	J	UG/L	119.00	129.00	2.00	X
MW-49	W49SSA	11/19/1999	IM40MB	THALLIUM	4.70	J	UG/L	0.00	10.00	2.00	X
MW-49	W49M3D	06/27/2000	IM40MB	THALLIUM	4.30	J	UG/L	29.48	39.48	2.00	X
MW-50	W50M1A	05/15/2000	IM40MB	THALLIUM	6.20	J	UG/L	90.00	100.00	2.00	X
MW-51	W51M3A	08/25/1999	IM40MB	THALLIUM	4.30	J	UG/L	29.00	39.00	2.00	X
MW-52	W52SSA	08/26/1999	IM40MB	THALLIUM	3.60	J	UG/L	0.00	10.00	2.00	X
MW-52	W52SSA	11/18/1999	IM40MB	THALLIUM	4.30	J	UG/L	0.00	10.00	2.00	X
MW-52	W52SSA	05/23/2000	IM40MB	THALLIUM	4.70	J	UG/L	0.00	10.00	2.00	X
MW-52	W52M3L	04/07/1999	IM40MB	THALLIUM	3.60	J	UG/L	26.00	36.00	2.00	X
MW-52	W52DDA	04/02/1999	IM40MB	THALLIUM	2.80	J	UG/L	219.00	229.00	2.00	X
MW-52	W52DDL	04/02/1999	IM40MB	THALLIUM	2.60	J	UG/L	219.00	229.00	2.00	X
MW-52	W52DDA	08/30/1999	IM40MB	THALLIUM	3.80	J	UG/L	219.00	229.00	2.00	X
MW-53	W53M1A	11/05/1999	IM40MB	THALLIUM	3.40	J	UG/L	100.00	110.00	2.00	X
MW-54	W54SSA	11/08/1999	IM40MB	THALLIUM	7.40	J	UG/L	0.00	10.00	2.00	X
MW-54	W54SSA	06/06/2000	IM40MB	THALLIUM	4.60	J	UG/L	0.00	10.00	2.00	X
MW-54	W54SSA	11/15/2000	IM40MB	THALLIUM	3.10	J	UG/L	0.00	10.00	2.00	X
MW-54	W54M1A	08/30/1999	IM40MB	THALLIUM	2.80	J	UG/L	80.00	90.00	2.00	X
MW-54	W54M1A	11/05/1999	IM40MB	THALLIUM	3.90	J	UG/L	80.00	90.00	2.00	X
MW-55	W55M1A	08/31/1999	IM40MB	THALLIUM	2.50	J	UG/L	90.00	100.00	2.00	X
MW-56	W56SSA	09/05/2000	IM40MB	THALLIUM	4.00	J	UG/L	0.00	10.00	2.00	X
MW-56	W56M3A	09/05/2000	IM40MB	THALLIUM	6.10	J	UG/L	28.00	38.00	2.00	X
MW-56	W56M3D	09/05/2000	IM40MB	THALLIUM	4.40	J	UG/L	28.00	38.00	2.00	X
MW-57	W57M2A	03/22/2000	IM40MB	THALLIUM	4.10	J	UG/L	60.00	70.00	2.00	X
MW-58	W58SSA	05/11/2000	IM40MB	THALLIUM	7.30	J	UG/L	0.00	10.00	2.00	X
MW-64	W64M1A	02/07/2000	IM40MB	THALLIUM	4.10	J	UG/L	37.00	47.00	2.00	X
MW-7	W07MMA	02/23/1999	IM40MB	THALLIUM	4.10	J	UG/L	67.00	72.00	2.00	X
MW-7	W07M1A	09/07/1999	IM40MB	THALLIUM	26.20		UG/L	67.00	72.00	2.00	X
MW-7	W07M1D	09/07/1999	IM40MB	THALLIUM	12.70		UG/L	67.00	72.00	2.00	X
MW-7	W07M2L	02/05/1998	IM40MB	THALLIUM	6.60	J	UG/L	137.00	142.00	2.00	X
MW-7	W07M2A	02/24/1999	IM40MB	THALLIUM	4.40	J	UG/L	137.00	142.00	2.00	X
MW-72	W72SSA	05/27/1999	IM40MB	THALLIUM	4.00		UG/L	0.00	10.00	2.00	X
MW-83	W83SSA	01/13/2000	IM40MB	THALLIUM	3.60	J	UG/L	0.00	10.00	2.00	X
MW-84	W84SSA	10/21/1999	IM40MB	THALLIUM	3.20	J	UG/L	0.00	10.00	2.00	X

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PPAWSMW-1	PPAWSMW-1	06/22/1999	IM40MB	THALLIUM	3.10	J	UG/L	10.00	20.00	2.00	X
SMR-2	WSMR2A	03/25/1999	IM40MB	THALLIUM	2.00	J	UG/L	0.00	10.00	2.00	X
95-14	W9514A	09/28/1999	IM40MB	ZINC	2,430.00		UG/L	90.00	120.00	2,000.00	X
95-15	W9515A	10/17/1997	IM40MB	ZINC	7,210.00		UG/L	80.00	92.00	2,000.00	X
95-15	W9515L	10/17/1997	IM40MB	ZINC	4,620.00		UG/L	80.00	92.00	2,000.00	X
LRWS3-1	WL31XA	10/21/1997	IM40MB	ZINC	2,480.00		UG/L	102.00	117.00	2,000.00	X
LRWS3-1	WL31XL	10/21/1997	IM40MB	ZINC	2,410.00		UG/L	102.00	117.00	2,000.00	X
LRWS4-1	WL41XA	11/24/1997	IM40MB	ZINC	3,220.00		UG/L	66.00	91.00	2,000.00	X
LRWS4-1	WL41XL	11/24/1997	IM40MB	ZINC	3,060.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51DL	11/25/1997	IM40MB	ZINC	4,410.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51XA	11/25/1997	IM40MB	ZINC	4,510.00		UG/L	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	110.00	120.00	5.00	X
03MW0122A	WS122A	09/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	12.00		UG/L	1.00	11.00	6.00	X
11MW0003	WF143A	02/25/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00		UG/L	0.00	0.00	6.00	X
11MW0003	WF143A	09/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	24.00		UG/L	0.00	0.00	6.00	X
15MW0004	15MW0004	04/09/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	6.00		UG/L	0.00	10.00	6.00	X
15MW0008	15MW0008D	04/12/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	25.00	J	UG/L	0.00	0.00	6.00	X
28MW0106	WL28XA	02/19/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	18.00	J	UG/L	0.00	10.00	6.00	X
28MW0106	WL28XA	03/23/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	26.00		UG/L	0.00	10.00	6.00	X
58MW0002	WC2XXA	02/26/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	36.00		UG/L	4.00	9.00	6.00	X
58MW0005E	WC5EXA	09/27/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	0.00	10.00	6.00	X
58MW0006E	WC6EXA	10/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	59.00		UG/L	0.00	10.00	6.00	X
58MW0006E	WC6EXD	10/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	57.00		UG/L	0.00	10.00	6.00	X

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

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
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	95.00	100.00	6.00	X
90WT0003	WF03XA	09/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	58.00		UG/L	0.00	10.00	6.00	X
90WT0005	WF05XA	01/13/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	47.00		UG/L	0.00	10.00	6.00	X
90WT0013	WF13XA	01/16/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	34.00		UG/L	2.00	12.00	6.00	X
90WT0013	WF13XA	01/14/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	16.00		UG/L	2.00	12.00	6.00	X
95-14	W9514A	09/28/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	22.00		UG/L	90.00	120.00	6.00	X
97-1	W9701A	11/19/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	54.00	J	UG/L	62.00	72.00	6.00	X
97-1	W9701D	11/19/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	28.00	J	UG/L	62.00	72.00	6.00	X
97-2	W9702A	11/20/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00		UG/L	53.00	63.00	6.00	X
97-3	W9703A	11/21/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	73.00	J	UG/L	36.00	46.00	6.00	X
97-5	W9705A	11/20/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	15.00		UG/L	76.00	86.00	6.00	X
BHW215083	WG083A	11/26/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	13.00		UG/L	0.00	0.00	6.00	X
LRWS1-4	WL14XA	10/06/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	78.00	J	UG/L	107.00	117.00	6.00	X
LRWS2-3	WL23XA	11/21/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	20.00	J	UG/L	68.00	83.00	6.00	X
LRWS2-6	WL26XA	10/20/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	21.00		UG/L	75.00	90.00	6.00	X
LRWS2-6	WL26XA	10/04/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00	J	UG/L	75.00	90.00	6.00	X
LRWS4-1	WL41XA	11/24/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	100.00		UG/L	66.00	91.00	6.00	X
LRWS5-1	WL51XA	11/25/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00		UG/L	66.00	91.00	6.00	X
MW-10	W10SSA	09/16/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	39.00		UG/L	0.00	10.00	6.00	X
MW-11	W11SSA	11/06/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	33.00	J	UG/L	0.00	10.00	6.00	X
MW-11	W11SSD	11/06/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	23.00	J	UG/L	0.00	10.00	6.00	X
MW-12	W12SSA	11/06/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	28.00		UG/L	0.00	10.00	6.00	X
MW-14	W14SSA	11/04/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	14.00		UG/L	0.00	10.00	6.00	X
MW-16	W16SSA	11/17/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	28.00		UG/L	0.00	10.00	6.00	X
MW-16	W16DDA	11/17/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	43.00		UG/L	108.00	113.00	6.00	X
MW-17	W17SSD	11/10/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	120.00	J	UG/L	0.00	10.00	6.00	X
MW-17	W17DDA	11/11/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	42.00		UG/L	197.00	207.00	6.00	X
MW-18	W18SSA	10/10/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	36.00		UG/L	0.00	10.00	6.00	X
MW-18	W18DDA	09/10/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	11.00		UG/L	223.00	233.00	6.00	X
MW-19	W19DDA	03/04/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00		UG/L	251.00	256.00	6.00	X
MW-2	W02M2A	01/20/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	24.00		UG/L	31.00	36.00	6.00	X
MW-2	W02M1A	01/21/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	10.00	J	UG/L	73.00	78.00	6.00	X
MW-2	W02DDA	02/02/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00		UG/L	287.00	295.00	6.00	X

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
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	153.00	163.00	6.00	X
MW-23	W23M3D	11/13/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	13.00		UG/L	153.00	163.00	6.00	X
MW-24	W24SSA	11/14/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	0.00	10.00	6.00	X
MW-27	W27SSA	09/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00		UG/L	0.00	10.00	6.00	X
MW-28	W28SSA	11/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	11.00		UG/L	0.00	10.00	6.00	X
MW-28	W28SSA	09/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	150.00	J	UG/L	0.00	10.00	6.00	X
MW-29	W29SSA	11/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	16.00		UG/L	0.00	10.00	6.00	X
MW-29	W29SSA	09/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	20.00		UG/L	0.00	10.00	6.00	X
MW-36	W36M2A	08/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	59.00	69.00	6.00	X
MW-38	W38M3A	05/06/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	15.00		UG/L	53.00	63.00	6.00	X
MW-4	W04SSA	11/04/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	30.00		UG/L	0.00	10.00	6.00	X
MW-41	W41M2A	11/12/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00		UG/L	69.00	79.00	6.00	X
MW-43	W43M1A	05/26/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	6.00		UG/L	93.00	103.00	6.00	X
MW-44	W44M1A	09/20/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	14.00		UG/L	55.00	65.00	6.00	X
MW-45	W45M1A	05/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	37.00		UG/L	98.00	108.00	6.00	X
MW-46	W46M1A	11/01/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	6.00	J	UG/L	102.00	112.00	6.00	X
MW-46	W46DDA	11/02/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	14.00	J	UG/L	135.00	145.00	6.00	X
MW-47	W47M1A	08/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	14.00		UG/L	75.00	85.00	6.00	X
MW-47	W47DDA	08/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	16.00		UG/L	100.00	110.00	6.00	X
MW-49	W49SSA	03/01/2000	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	290.00		UG/L	0.00	10.00	6.00	X
MW-5	W05DDA	02/13/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00	J	UG/L	220.00	225.00	6.00	X
MW-52	W52M3A	08/27/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00	J	UG/L	26.00	36.00	6.00	X
MW-53	W53M1A	08/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	31.00		UG/L	100.00	110.00	6.00	X
MW-53	W53DDA	02/18/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	18.00		UG/L	157.00	167.00	6.00	X
MW-55	W55DDA	05/13/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	120.00	130.00	6.00	X
MW-57	W57SSA	12/21/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	3,300.00	J	UG/L	0.00	10.00	6.00	X
MW-57	W57M2A	06/30/2000	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00		UG/L	60.00	70.00	6.00	X
MW-57	W57DDA	12/13/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	95.00		UG/L	125.00	135.00	6.00	X
MW-7	W07SSA	10/31/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	10.00		UG/L	0.00	10.00	6.00	X
MW-70	W70M1A	10/27/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	10.00		UG/L	130.00	140.00	6.00	X

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	MCL/HA	>MCL/HA
MW-84	W84DDA	03/03/2000	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	30.00		UG/L	151.00	161.00	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	60.00	65.00	20.00	X
MW-45	W45SSA	05/26/1999	OC21B	NAPHTHALENE	24.00		UG/L	0.00	10.00	20.00	X
MW-45	W45SSA	11/16/1999	OC21B	NAPHTHALENE	27.00		UG/L	0.00	10.00	20.00	X
90MW0003	WF03MA	10/07/1999	OC21V	1,2-DICHLOROETHANE	5.00		UG/L	60.00	65.00	5.00	X
03MW0007A	03MW0007A	04/13/1999	OC21V	TETRACHLOROETHYLENE(P	6.00		UG/L	21.00	26.00	5.00	X
03MW0014A	03MW0014A	04/13/1999	OC21V	TETRACHLOROETHYLENE(P	8.00		UG/L	38.00	43.00	5.00	X
03MW0020	03MW0020	04/14/1999	OC21V	TETRACHLOROETHYLENE(P	12.00		UG/L	36.00	41.00	5.00	X
MW-45	W45SSA	11/16/1999	OC21V	TOLUENE	1,000.00		UG/L	0.00	10.00	1,000.00	X
MW-45	W45SSA	05/29/2000	OC21V	TOLUENE	1,100.00		UG/L	0.00	10.00	1,000.00	X
27MW0017B	27MW0017B	04/30/1999	OC21V	VINYL CHLORIDE	2.00		UG/L	21.00	26.00	2.00	X
PPAWSMW-1	PPAWSMW-1	06/22/1999	OL21P	DIELDRIN	3.00		UG/L	10.00	20.00	0.50	X

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TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 12/10/00-1/31/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
90EW0002AA	90EW0002AA	01/19/2001	GROUNDWATER	86.00	86.00	61.30	61.30	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
90EW0002AA	90EW0002AA	01/19/2001	GROUNDWATER	86.00	86.00	61.30	61.30	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
90EW0002BA	90EW0002BA	01/19/2001	GROUNDWATER	96.00	96.00	71.30	71.30	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
90EW0002BA	90EW0002BA	01/19/2001	GROUNDWATER	96.00	96.00	71.30	71.30	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
90EW0002CA	90EW0002CA	01/19/2001	GROUNDWATER	106.00	106.00	81.30	81.30	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
90EW0002CA	90EW0002CA	01/19/2001	GROUNDWATER	106.00	106.00	81.30	81.30	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
90EW0002DA	90EW0002DA	01/22/2001	GROUNDWATER	116.00	116.00	91.20	91.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
90EW0002DA	90EW0002DA	01/22/2001	GROUNDWATER	116.00	116.00	91.20	91.20	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
90EW0002EA	90EW0002EA	01/23/2001	GROUNDWATER	126.00	126.00	101.20	101.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
90EW0002EA	90EW0002EA	01/23/2001	GROUNDWATER	126.00	126.00	101.20	101.20	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
90EW0002FA	90EW0002FA	01/23/2001	GROUNDWATER	136.00	136.00	111.20	111.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
90EW0002FA	90EW0002FA	01/23/2001	GROUNDWATER	136.00	136.00	111.20	111.20	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
90EW0002GA	90EW0002GA	01/23/2001	GROUNDWATER	146.00	146.00	121.20	121.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
90EW0002GA	90EW0002GA	01/23/2001	GROUNDWATER	146.00	146.00	121.20	121.20	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W101M1A	MW-101	01/22/2001	GROUNDWATER	158.00	168.00	24.98	34.98	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W111M3A	MW-111	01/17/2001	GROUNDWATER	165.00	175.00	29.80	39.80	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W112M2A	MW-112	01/16/2001	GROUNDWATER	165.00	175.00	24.20	34.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W112M2D	MW-112	01/16/2001	GROUNDWATER	165.00	175.00	24.20	34.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W125M1A	MW-125	12/14/2000	GROUNDWATER	232.00	242.00	180.66	190.66	E900	ALPHA, GROSS	
W125M1A	MW-125	12/14/2000	GROUNDWATER	232.00	242.00	180.66	190.66	E900	BETA, GROSS	
W135M2A	MW-135	01/09/2001	GROUNDWATER	280.00	290.00	90.90	100.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W27SSA	MW-27	12/28/2000	GROUNDWATER	117.00	127.00	0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W86M2A	MW-86	01/03/2001	GROUNDWATER	158.00	168.00	12.37	22.37	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W86M2A	MW-86	01/03/2001	GROUNDWATER	158.00	168.00	12.37	22.37	8330N	NITROGLYCERIN	NO
W86M2D	MW-86	01/03/2001	GROUNDWATER	158.00	168.00	12.37	22.37	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W86M2D	MW-86	01/03/2001	GROUNDWATER	158.00	168.00	12.37	22.37	8330N	NITROGLYCERIN	NO
W86SSA	MW-86	01/03/2001	GROUNDWATER	143.00	153.00	0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W86SSA	MW-86	01/03/2001	GROUNDWATER	143.00	153.00	0.00	10.00	8330N	NITROGLYCERIN	NO
W90M1A	MW-90	01/20/2001	GROUNDWATER	145.00	155.00	24.45	34.45	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
W90M1A	MW-90	01/20/2001	GROUNDWATER	145.00	155.00	24.45	34.45	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W90SSA	MW-90	01/20/2001	GROUNDWATER	118.00	128.00	0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W91M1A	MW-91	01/20/2001	GROUNDWATER	170.00	180.00	42.85	52.85	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES

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(UNVALIDATED)
SAMPLES COLLECTED 12/10/00-1/31/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
W91M1A	MW-91	01/20/2001	GROUNDWATER	170.00	180.00	42.85	52.85	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W91SSA	MW-91	01/20/2001	GROUNDWATER	124.00	134.00	0.00	10.00	8330N	2-AMINO-4,6-DINITROTOLUENE	YES
W91SSA	MW-91	01/20/2001	GROUNDWATER	124.00	134.00	0.00	10.00	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
W91SSA	MW-91	01/20/2001	GROUNDWATER	124.00	134.00	0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W91SSA	MW-91	01/20/2001	GROUNDWATER	124.00	134.00	0.00	10.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W93M1A	MW-93	01/22/2001	GROUNDWATER	185.00	195.00	54.20	64.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W93M1D	MW-93	01/22/2001	GROUNDWATER	185.00	195.00	54.20	64.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W93SSA	MW-93	01/20/2001	GROUNDWATER	145.00	155.00	14.05	24.05	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W93SSA	MW-93	01/20/2001	GROUNDWATER	145.00	155.00	14.05	24.05	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W96M2A	MW-96	01/08/2001	GROUNDWATER	160.00	170.00	23.52	33.52	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W97M1A	MW-97	01/03/2001	GROUNDWATER	235.00	245.00	110.00	120.00	8330N	NITROGLYCERIN	NO
W97M3A	MW-97	01/08/2001	GROUNDWATER	140.00	150.00	15.03	25.03	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G143DEA	MW-143	01/02/2001	PROFILE	80.00	80.00	46.10	46.10	OC21V	ACETONE	
G143DEA	MW-143	01/02/2001	PROFILE	80.00	80.00	46.10	46.10	OC21V	METHYL ETHYL KETONE (2-BUTA	
G143DEA	MW-143	01/02/2001	PROFILE	80.00	80.00	46.10	46.10	OC21V	TOLUENE	
G143DFA	MW-143	01/02/2001	PROFILE	90.00	90.00	56.10	56.10	OC21V	ACETONE	
G143DFA	MW-143	01/02/2001	PROFILE	90.00	90.00	56.10	56.10	OC21V	CHLOROFORM	
G143DFA	MW-143	01/02/2001	PROFILE	90.00	90.00	56.10	56.10	OC21V	TOLUENE	
G143DFD	MW-143	01/02/2001	PROFILE	90.00	90.00	56.10	56.10	OC21V	ACETONE	
G143DFD	MW-143	01/02/2001	PROFILE	90.00	90.00	56.10	56.10	OC21V	CHLOROFORM	
G143DFD	MW-143	01/02/2001	PROFILE	90.00	90.00	56.10	56.10	OC21V	TOLUENE	
G143DGA	MW-143	01/02/2001	PROFILE	100.00	100.00	66.10	66.10	OC21V	ACETONE	
G143DGA	MW-143	01/02/2001	PROFILE	100.00	100.00	66.10	66.10	OC21V	CHLOROFORM	
G143DGA	MW-143	01/02/2001	PROFILE	100.00	100.00	66.10	66.10	OC21V	TOLUENE	
G143DHA	MW-143	01/02/2001	PROFILE	110.00	110.00	76.10	76.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G143DHA	MW-143	01/02/2001	PROFILE	110.00	110.00	76.10	76.10	8330N	NITROGLYCERIN	NO
G143DHA	MW-143	01/02/2001	PROFILE	110.00	110.00	76.10	76.10	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G143DHA	MW-143	01/02/2001	PROFILE	110.00	110.00	76.10	76.10	OC21V	ACETONE	
G143DHA	MW-143	01/02/2001	PROFILE	110.00	110.00	76.10	76.10	OC21V	CHLOROFORM	
G143DHA	MW-143	01/02/2001	PROFILE	110.00	110.00	76.10	76.10	OC21V	TOLUENE	
G143DIA	MW-143	01/03/2001	PROFILE	120.00	120.00	86.10	86.10	8330N	2,6-DINITROTOLUENE	YES
G143DIA	MW-143	01/03/2001	PROFILE	120.00	120.00	86.10	86.10	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES

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G143DIA	MW-143	01/03/2001	PROFILE	120.00	120.00	86.10	86.10	8330N	PICRIC ACID	NO
G143DIA	MW-143	01/03/2001	PROFILE	120.00	120.00	86.10	86.10	OC21V	ACETONE	
G143DIA	MW-143	01/03/2001	PROFILE	120.00	120.00	86.10	86.10	OC21V	CHLOROFORM	
G143DIA	MW-143	01/03/2001	PROFILE	120.00	120.00	86.10	86.10	OC21V	METHYL ETHYL KETONE (2-BUTA	
G143DIA	MW-143	01/03/2001	PROFILE	120.00	120.00	86.10	86.10	OC21V	TOLUENE	
G143DJA	MW-143	01/03/2001	PROFILE	130.00	130.00	96.10	96.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G143DJA	MW-143	01/03/2001	PROFILE	130.00	130.00	96.10	96.10	OC21V	ACETONE	
G143DJA	MW-143	01/03/2001	PROFILE	130.00	130.00	96.10	96.10	OC21V	CHLOROFORM	
G143DJA	MW-143	01/03/2001	PROFILE	130.00	130.00	96.10	96.10	OC21V	METHYL ETHYL KETONE (2-BUTA	
G143DJA	MW-143	01/03/2001	PROFILE	130.00	130.00	96.10	96.10	OC21V	TOLUENE	
G143DKA	MW-143	01/03/2001	PROFILE	140.00	140.00	106.10	106.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G143DKA	MW-143	01/03/2001	PROFILE	140.00	140.00	106.10	106.10	OC21V	ACETONE	
G143DKA	MW-143	01/03/2001	PROFILE	140.00	140.00	106.10	106.10	OC21V	CHLOROFORM	
G143DKA	MW-143	01/03/2001	PROFILE	140.00	140.00	106.10	106.10	OC21V	TOLUENE	
G143DLA	MW-143	01/03/2001	PROFILE	150.00	150.00	116.10	116.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G143DLA	MW-143	01/03/2001	PROFILE	150.00	150.00	116.10	116.10	8330N	PICRIC ACID	NO
G143DLA	MW-143	01/03/2001	PROFILE	150.00	150.00	116.10	116.10	OC21V	1,4-DICHLOROBENZENE	
G143DLA	MW-143	01/03/2001	PROFILE	150.00	150.00	116.10	116.10	OC21V	2-HEXANONE	
G143DLA	MW-143	01/03/2001	PROFILE	150.00	150.00	116.10	116.10	OC21V	ACETONE	
G143DLA	MW-143	01/03/2001	PROFILE	150.00	150.00	116.10	116.10	OC21V	METHYL ETHYL KETONE (2-BUTA	
G143DLA	MW-143	01/03/2001	PROFILE	150.00	150.00	116.10	116.10	OC21V	TOLUENE	
G143DMA	MW-143	01/04/2001	PROFILE	160.00	160.00	126.10	126.10	OC21V	CHLOROFORM	
G143DMA	MW-143	01/04/2001	PROFILE	160.00	160.00	126.10	126.10	OC21V	TOLUENE	
G143DMD	MW-143	01/04/2001	PROFILE	160.00	160.00	126.10	136.10	OC21V	CHLOROFORM	
G143DMD	MW-143	01/04/2001	PROFILE	160.00	160.00	126.10	136.10	OC21V	TOLUENE	
G143DNA	MW-143	01/04/2001	PROFILE	170.00	170.00	136.10	136.10	OC21V	CHLOROFORM	
G143DOA	MW-143	01/04/2001	PROFILE	180.00	180.00	146.10	146.10	OC21V	ACETONE	
G143DOA	MW-143	01/04/2001	PROFILE	180.00	180.00	146.10	146.10	OC21V	CHLOROFORM	
G143DOA	MW-143	01/04/2001	PROFILE	180.00	180.00	146.10	146.10	OC21V	METHYL ETHYL KETONE (2-BUTA	
G143DOA	MW-143	01/04/2001	PROFILE	180.00	180.00	146.10	146.10	OC21V	TOLUENE	
G143DQA	MW-143	01/04/2001	PROFILE	200.00	200.00	166.10	166.10	OC21V	ACETONE	
G143DRA	MW-143	01/04/2001	PROFILE	210.00	210.00	176.10	176.10	OC21V	ACETONE	

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G143DSA	MW-143	01/05/2001	PROFILE	220.00	220.00	186.10	186.10	OC21V	ACETONE	
G143DUA	MW-143	01/05/2001	PROFILE	240.00	240.00	206.10	206.10	OC21V	ACETONE	
G143DUD	MW-143	01/05/2001	PROFILE	240.00	240.00	206.10	206.10	OC21V	ACETONE	
G144DAA	MW-144	01/03/2001	PROFILE	30.00	30.00	1.70	1.70	8330N	3-NITROTOLUENE	NO
G144DAA	MW-144	01/03/2001	PROFILE	30.00	30.00	1.70	1.70	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G144DAA	MW-144	01/03/2001	PROFILE	30.00	30.00	1.70	1.70	8330N	PICRIC ACID	NO
G144DAA	MW-144	01/03/2001	PROFILE	30.00	30.00	1.70	1.70	OC21V	ACETONE	
G144DAA	MW-144	01/03/2001	PROFILE	30.00	30.00	1.70	1.70	OC21V	CHLOROFORM	
G144DAA	MW-144	01/03/2001	PROFILE	30.00	30.00	1.70	1.70	OC21V	METHYL ETHYL KETONE (2-BUTA	
G144DBA	MW-144	01/03/2001	PROFILE	40.00	40.00	11.70	11.70	8330N	3-NITROTOLUENE	NO
G144DBA	MW-144	01/03/2001	PROFILE	40.00	40.00	11.70	11.70	8330N	4-NITROTOLUENE	NO
G144DBA	MW-144	01/03/2001	PROFILE	40.00	40.00	11.70	11.70	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G144DBA	MW-144	01/03/2001	PROFILE	40.00	40.00	11.70	11.70	8330N	PICRIC ACID	NO
G144DBA	MW-144	01/03/2001	PROFILE	40.00	40.00	11.70	11.70	OC21V	ACETONE	
G144DBA	MW-144	01/03/2001	PROFILE	40.00	40.00	11.70	11.70	OC21V	CHLOROFORM	
G144DCA	MW-144	01/03/2001	PROFILE	50.00	50.00	21.70	21.70	8330N	2,4-DINITROTOLUENE	NO
G144DCA	MW-144	01/03/2001	PROFILE	50.00	50.00	21.70	21.70	8330N	NITROGLYCERIN	NO
G144DCA	MW-144	01/03/2001	PROFILE	50.00	50.00	21.70	21.70	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G144DCA	MW-144	01/03/2001	PROFILE	50.00	50.00	21.70	21.70	OC21V	ACETONE	
G144DCD	MW-144	01/03/2001	PROFILE	50.00	50.00	21.70	21.70	8330N	NITROGLYCERIN	NO
G144DCD	MW-144	01/03/2001	PROFILE	50.00	50.00	21.70	21.70	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G144DCD	MW-144	01/03/2001	PROFILE	50.00	50.00	21.70	21.70	8330N	PICRIC ACID	NO
G144DCD	MW-144	01/03/2001	PROFILE	50.00	50.00	21.70	21.70	OC21V	ACETONE	
G144DDA	MW-144	01/03/2001	PROFILE	60.00	60.00	31.70	31.70	8330N	PICRIC ACID	NO
G144DDA	MW-144	01/03/2001	PROFILE	60.00	60.00	31.70	31.70	OC21V	ACETONE	
G144DEA	MW-144	01/04/2001	PROFILE	70.00	70.00	41.70	41.70	8330N	3-NITROTOLUENE	YES
G144DEA	MW-144	01/04/2001	PROFILE	70.00	70.00	41.70	41.70	8330N	NITROGLYCERIN	NO
G144DEA	MW-144	01/04/2001	PROFILE	70.00	70.00	41.70	41.70	8330N	PICRIC ACID	NO
G144DEA	MW-144	01/04/2001	PROFILE	70.00	70.00	41.70	41.70	OC21V	ACETONE	
G144DFA	MW-144	01/04/2001	PROFILE	80.00	80.00	51.70	51.70	8330N	PICRIC ACID	NO
G144DGA	MW-144	01/04/2001	PROFILE	90.00	90.00	61.70	61.70	8330N	PICRIC ACID	NO
G144DGA	MW-144	01/04/2001	PROFILE	90.00	90.00	61.70	61.70	OC21V	ACETONE	

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G144DHA	MW-144	01/04/2001	PROFILE	100.00	100.00	71.70	71.70	8330N	PICRIC ACID	NO
G144DIA	MW-144	01/04/2001	PROFILE	110.00	110.00	81.70	81.70	OC21V	CHLOROFORM	
G144DJA	MW-144	01/04/2001	PROFILE	120.00	120.00	91.70	91.70	OC21V	CHLOROFORM	
G144DLA	MW-144	01/04/2001	PROFILE	140.00	140.00	111.70	111.70	OC21V	CHLOROFORM	
G144DLD	MW-144	01/04/2001	PROFILE	140.00	140.00	111.70	111.70	OC21V	CHLOROFORM	
G144DMA	MW-144	01/05/2001	PROFILE	150.00	150.00	121.70	121.70	8330N	3-NITROTOLUENE	NO
G144DMA	MW-144	01/05/2001	PROFILE	150.00	150.00	121.70	121.70	8330N	4-NITROTOLUENE	NO
G144DMA	MW-144	01/05/2001	PROFILE	150.00	150.00	121.70	121.70	8330N	PENTAERYTHRITOL TETRANITR/	NO
G144DMA	MW-144	01/05/2001	PROFILE	150.00	150.00	121.70	121.70	8330N	PICRIC ACID	NO
G144DMA	MW-144	01/05/2001	PROFILE	150.00	150.00	121.70	121.70	OC21V	ACETONE	
G144DMA	MW-144	01/05/2001	PROFILE	150.00	150.00	121.70	121.70	OC21V	TOLUENE	
G144DNA	MW-144	01/05/2001	PROFILE	160.00	160.00	131.70	131.70	8330N	3-NITROTOLUENE	NO
G144DNA	MW-144	01/05/2001	PROFILE	160.00	160.00	131.70	131.70	8330N	PICRIC ACID	NO
G144DNA	MW-144	01/05/2001	PROFILE	160.00	160.00	131.70	131.70	OC21V	ACETONE	
G144DNA	MW-144	01/05/2001	PROFILE	160.00	160.00	131.70	131.70	OC21V	TOLUENE	
G144DOA	MW-144	01/05/2001	PROFILE	170.00	170.00	141.70	141.70	8330N	PICRIC ACID	NO
G144DOA	MW-144	01/05/2001	PROFILE	170.00	170.00	141.70	141.70	OC21V	ACETONE	
G144DPA	MW-144	01/05/2001	PROFILE	180.00	180.00	151.70	151.70	8330N	PICRIC ACID	NO
G144DPA	MW-144	01/05/2001	PROFILE	180.00	180.00	151.70	151.70	OC21V	ACETONE	
G144DQA	MW-144	01/05/2001	PROFILE	190.00	190.00	161.70	161.70	8330N	PICRIC ACID	NO
G144DQA	MW-144	01/05/2001	PROFILE	190.00	190.00	161.70	161.70	OC21V	ACETONE	
G144DQA	MW-144	01/05/2001	PROFILE	190.00	190.00	161.70	161.70	OC21V	CHLOROFORM	
G144DQA	MW-144	01/05/2001	PROFILE	190.00	190.00	161.70	161.70	OC21V	TOLUENE	
G144DRA	MW-144	01/08/2001	PROFILE	200.00	200.00	171.70	171.70	8330N	3-NITROTOLUENE	NO
G144DRA	MW-144	01/08/2001	PROFILE	200.00	200.00	171.70	171.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G144DRA	MW-144	01/08/2001	PROFILE	200.00	200.00	171.70	171.70	8330N	PENTAERYTHRITOL TETRANITR/	NO
G144DRA	MW-144	01/08/2001	PROFILE	200.00	200.00	171.70	171.70	8330N	PICRIC ACID	NO
G144DRA	MW-144	01/08/2001	PROFILE	200.00	200.00	171.70	171.70	OC21V	ACETONE	
G144DRA	MW-144	01/08/2001	PROFILE	200.00	200.00	171.70	171.70	OC21V	CARBON DISULFIDE	
G144DRA	MW-144	01/08/2001	PROFILE	200.00	200.00	171.70	171.70	OC21V	METHYL ETHYL KETONE (2-BUTA	
G144DRA	MW-144	01/08/2001	PROFILE	200.00	200.00	171.70	171.70	OC21V	METHYL ISOBUTYL KETONE (4-M	
G144DSA	MW-144	01/08/2001	PROFILE	210.00	210.00	181.70	181.70	8330N	3-NITROTOLUENE	NO

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BWTE = DEPTH BELOW WATER TABLE, END DEPTH, MEASURED IN FEET
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TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 12/10/00-1/31/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G144DSA	MW-144	01/08/2001	PROFILE	210.00	210.00	181.70	181.70	8330N	4-NITROTOLUENE	NO
G144DSA	MW-144	01/08/2001	PROFILE	210.00	210.00	181.70	181.70	8330N	PICRIC ACID	NO
G144DSA	MW-144	01/08/2001	PROFILE	210.00	210.00	181.70	181.70	OC21V	ACETONE	
G144DUA	MW-144	01/08/2001	PROFILE	230.00	230.00	201.70	201.70	8330N	3-NITROTOLUENE	NO
G144DUA	MW-144	01/08/2001	PROFILE	230.00	230.00	201.70	201.70	8330N	PICRIC ACID	NO
G144DUA	MW-144	01/08/2001	PROFILE	230.00	230.00	201.70	201.70	OC21V	ACETONE	
G144DUD	MW-144	01/08/2001	PROFILE	230.00	230.00	201.70	201.70	8330N	1,3-DINITROBENZENE	YES
G144DUD	MW-144	01/08/2001	PROFILE	230.00	230.00	201.70	201.70	8330N	3-NITROTOLUENE	NO
G144DUD	MW-144	01/08/2001	PROFILE	230.00	230.00	201.70	201.70	8330N	4-NITROTOLUENE	NO
G144DUD	MW-144	01/08/2001	PROFILE	230.00	230.00	201.70	201.70	OC21V	ACETONE	
G145DAA	MW-145	01/04/2001	PROFILE	40.00	40.00	6.40	6.40	8330N	2,6-DINITROTOLUENE	NO
G145DAA	MW-145	01/04/2001	PROFILE	40.00	40.00	6.40	6.40	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G145DAA	MW-145	01/04/2001	PROFILE	40.00	40.00	6.40	6.40	OC21V	ACETONE	
G145DAA	MW-145	01/04/2001	PROFILE	40.00	40.00	6.40	6.40	OC21V	CHLOROFORM	
G145DAA	MW-145	01/04/2001	PROFILE	40.00	40.00	6.40	6.40	OC21V	TOLUENE	
G145DBA	MW-145	01/04/2001	PROFILE	50.00	50.00	16.40	16.40	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G145DBA	MW-145	01/04/2001	PROFILE	50.00	50.00	16.40	16.40	OC21V	ACETONE	
G145DBA	MW-145	01/04/2001	PROFILE	50.00	50.00	16.40	16.40	OC21V	METHYL ETHYL KETONE (2-BUTA	
G145DBA	MW-145	01/04/2001	PROFILE	50.00	50.00	16.40	16.40	OC21V	TOLUENE	
G145DCA	MW-145	01/04/2001	PROFILE	60.00	60.00	26.40	26.40	OC21V	ACETONE	
G145DCA	MW-145	01/04/2001	PROFILE	60.00	60.00	26.40	26.40	OC21V	CHLOROFORM	
G145DCA	MW-145	01/04/2001	PROFILE	60.00	60.00	26.40	26.40	OC21V	TOLUENE	
G145DCD	MW-145	01/04/2001	PROFILE	60.00	60.00	26.40	26.40	OC21V	ACETONE	
G145DCD	MW-145	01/04/2001	PROFILE	60.00	60.00	26.40	26.40	OC21V	CHLOROFORM	
G145DCD	MW-145	01/04/2001	PROFILE	60.00	60.00	26.40	26.40	OC21V	TOLUENE	
G145DDA	MW-145	01/04/2001	PROFILE	70.00	70.00	36.40	36.40	OC21V	TOLUENE	
G145DEA	MW-145	01/04/2001	PROFILE	80.00	80.00	46.40	46.40	OC21V	ACETONE	
G145DEA	MW-145	01/04/2001	PROFILE	80.00	80.00	46.40	46.40	OC21V	METHYL ETHYL KETONE (2-BUTA	
G145DEA	MW-145	01/04/2001	PROFILE	80.00	80.00	46.40	46.40	OC21V	TOLUENE	
G145DFA	MW-145	01/04/2001	PROFILE	90.00	90.00	56.40	56.40	OC21V	TOLUENE	
G145DGA	MW-145	01/05/2001	PROFILE	100.00	100.00	66.40	66.40	OC21V	ACETONE	
G145DGA	MW-145	01/05/2001	PROFILE	100.00	100.00	66.40	66.40	OC21V	CHLOROFORM	

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SBD = SAMPLE COLLECTION BEGIN DEPTH IN FEET BGS
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(UNVALIDATED)
SAMPLES COLLECTED 12/10/00-1/31/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G145DHA	MW-145	01/05/2001	PROFILE	110.00	110.00	76.40	76.40	OC21V	ACETONE	
G145DHA	MW-145	01/05/2001	PROFILE	110.00	110.00	76.40	76.40	OC21V	CHLOROFORM	
G145DIA	MW-145	01/05/2001	PROFILE	120.00	120.00	86.40	86.40	OC21V	ACETONE	
G145DIA	MW-145	01/05/2001	PROFILE	120.00	120.00	86.40	86.40	OC21V	CHLOROFORM	
G145DJA	MW-145	01/05/2001	PROFILE	130.00	130.00	96.40	96.40	8330N	2,6-DINITROTOLUENE	NO
G145DJA	MW-145	01/05/2001	PROFILE	130.00	130.00	96.40	96.40	OC21V	ACETONE	
G145DKA	MW-145	01/05/2001	PROFILE	140.00	140.00	106.40	106.40	OC21V	ACETONE	
G145DKA	MW-145	01/05/2001	PROFILE	140.00	140.00	106.40	106.40	OC21V	CHLOROFORM	
G145DKA	MW-145	01/05/2001	PROFILE	140.00	140.00	106.40	106.40	OC21V	METHYL ETHYL KETONE (2-BUTA	
G145DLA	MW-145	01/05/2001	PROFILE	150.00	150.00	116.40	116.40	OC21V	ACETONE	
G145DLA	MW-145	01/05/2001	PROFILE	150.00	150.00	116.40	116.40	OC21V	CHLOROFORM	
G145DLA	MW-145	01/05/2001	PROFILE	150.00	150.00	116.40	116.40	OC21V	METHYL ETHYL KETONE (2-BUTA	
G145DLD	MW-145	01/05/2001	PROFILE	150.00	150.00	116.40	116.40	OC21V	ACETONE	
G145DLD	MW-145	01/05/2001	PROFILE	150.00	150.00	116.40	116.40	OC21V	CHLOROFORM	
G145DLD	MW-145	01/05/2001	PROFILE	150.00	150.00	116.40	116.40	OC21V	METHYL ETHYL KETONE (2-BUTA	
G145DNA	MW-145	01/08/2001	PROFILE	170.00	170.00	136.40	136.40	OC21V	ACETONE	
G145DOA	MW-145	01/08/2001	PROFILE	180.00	180.00	146.40	146.40	OC21V	ACETONE	
G145DOA	MW-145	01/08/2001	PROFILE	180.00	180.00	146.40	146.40	OC21V	CHLOROFORM	
G145DPA	MW-145	01/08/2001	PROFILE	190.00	190.00	156.40	156.40	OC21V	ACETONE	
G145DPA	MW-145	01/08/2001	PROFILE	190.00	190.00	156.40	156.40	OC21V	CHLOROFORM	
G145DQA	MW-145	01/09/2001	PROFILE	200.00	200.00	166.40	166.40	OC21V	ACETONE	
G145DQA	MW-145	01/09/2001	PROFILE	200.00	200.00	166.40	166.40	OC21V	METHYL ETHYL KETONE (2-BUTA	
G145DRA	MW-145	01/09/2001	PROFILE	210.00	210.00	176.40	176.40	OC21V	ACETONE	
G145DRA	MW-145	01/09/2001	PROFILE	210.00	210.00	176.40	176.40	OC21V	METHYL ETHYL KETONE (2-BUTA	
G145DSA	MW-145	01/09/2001	PROFILE	220.00	220.00	186.40	186.40	OC21V	ACETONE	
G145DTA	MW-145	01/09/2001	PROFILE	230.00	230.00	196.40	196.40	OC21V	ACETONE	
G145DTA	MW-145	01/09/2001	PROFILE	230.00	230.00	196.40	196.40	OC21V	CARBON DISULFIDE	
G145DTA	MW-145	01/09/2001	PROFILE	230.00	230.00	196.40	196.40	OC21V	METHYL ETHYL KETONE (2-BUTA	
G145DTD	MW-145	01/09/2001	PROFILE	230.00	230.00	196.40	196.40	OC21V	ACETONE	
G145DTD	MW-145	01/09/2001	PROFILE	230.00	230.00	196.40	196.40	OC21V	CARBON DISULFIDE	
G146DAA	MW-146	01/15/2001	PROFILE	100.00	100.00	5.90	5.90	8330N	1,3,5-TRINITROBENZENE	NO
G146DAA	MW-146	01/15/2001	PROFILE	100.00	100.00	5.90	5.90	8330N	2,6-DINITROTOLUENE	NO

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TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 12/10/00-1/31/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G146DAA	MW-146	01/15/2001	PROFILE	100.00	100.00	5.90	5.90	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G146DAA	MW-146	01/15/2001	PROFILE	100.00	100.00	5.90	5.90	8330N	NITROGLYCERIN	NO
G146DAA	MW-146	01/15/2001	PROFILE	100.00	100.00	5.90	5.90	8330N	PICRIC ACID	NO
G146DAA	MW-146	01/15/2001	PROFILE	100.00	100.00	5.90	5.90	OC21V	ACETONE	
G146DAA	MW-146	01/15/2001	PROFILE	100.00	100.00	5.90	5.90	OC21V	CHLOROFORM	
G146DAA	MW-146	01/15/2001	PROFILE	100.00	100.00	5.90	5.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G146DBA	MW-146	01/15/2001	PROFILE	110.00	110.00	15.90	15.90	8330N	NITROGLYCERIN	NO
G146DBA	MW-146	01/15/2001	PROFILE	110.00	110.00	15.90	15.90	8330N	PICRIC ACID	NO
G146DBA	MW-146	01/15/2001	PROFILE	110.00	110.00	15.90	15.90	OC21V	ACETONE	
G146DBA	MW-146	01/15/2001	PROFILE	110.00	110.00	15.90	15.90	OC21V	CHLOROFORM	
G146DBA	MW-146	01/15/2001	PROFILE	110.00	110.00	15.90	15.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G146DCA	MW-146	01/15/2001	PROFILE	120.00	120.00	25.90	25.90	8330N	NITROGLYCERIN	NO
G146DCA	MW-146	01/15/2001	PROFILE	120.00	120.00	25.90	25.90	8330N	PICRIC ACID	NO
G146DCA	MW-146	01/15/2001	PROFILE	120.00	120.00	25.90	25.90	OC21V	ACETONE	
G146DCA	MW-146	01/15/2001	PROFILE	120.00	120.00	25.90	25.90	OC21V	CHLOROFORM	
G146DCA	MW-146	01/15/2001	PROFILE	120.00	120.00	25.90	25.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G146DCD	MW-146	01/15/2001	PROFILE	120.00	120.00	25.90	25.90	8330N	NITROGLYCERIN	NO
G146DCD	MW-146	01/15/2001	PROFILE	120.00	120.00	25.90	25.90	8330N	PICRIC ACID	NO
G146DCD	MW-146	01/15/2001	PROFILE	120.00	120.00	25.90	25.90	OC21V	ACETONE	
G146DCD	MW-146	01/15/2001	PROFILE	120.00	120.00	25.90	25.90	OC21V	CHLOROFORM	
G146DCD	MW-146	01/15/2001	PROFILE	120.00	120.00	25.90	25.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G146DDA	MW-146	01/15/2001	PROFILE	130.00	130.00	35.90	35.90	8330N	NITROGLYCERIN	NO
G146DDA	MW-146	01/15/2001	PROFILE	130.00	130.00	35.90	35.90	8330N	PICRIC ACID	NO
G146DDA	MW-146	01/15/2001	PROFILE	130.00	130.00	35.90	35.90	OC21V	ACETONE	
G146DDA	MW-146	01/15/2001	PROFILE	130.00	130.00	35.90	35.90	OC21V	CHLOROFORM	
G146DDA	MW-146	01/15/2001	PROFILE	130.00	130.00	35.90	35.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G146DEA	MW-146	01/15/2001	PROFILE	140.00	140.00	45.90	45.95	8330N	NITROGLYCERIN	NO
G146DEA	MW-146	01/15/2001	PROFILE	140.00	140.00	45.90	45.95	8330N	PICRIC ACID	NO
G146DEA	MW-146	01/15/2001	PROFILE	140.00	140.00	45.90	45.95	OC21V	ACETONE	
G146DEA	MW-146	01/15/2001	PROFILE	140.00	140.00	45.90	45.95	OC21V	CHLOROFORM	
G146DEA	MW-146	01/15/2001	PROFILE	140.00	140.00	45.90	45.95	OC21V	METHYL ETHYL KETONE (2-BUTA	
G146DFA	MW-146	01/15/2001	PROFILE	150.00	150.00	55.90	55.95	OC21V	ACETONE	

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DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 12/10/00-1/31/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G146DFA	MW-146	01/15/2001	PROFILE	150.00	150.00	55.90	55.95	OC21V	CHLOROFORM	
G146DFA	MW-146	01/15/2001	PROFILE	150.00	150.00	55.90	55.95	OC21V	METHYL ETHYL KETONE (2-BUTA	
G146DGA	MW-146	01/15/2001	PROFILE	160.00	160.00	65.90	65.90	OC21V	ACETONE	
G146DGA	MW-146	01/15/2001	PROFILE	160.00	160.00	65.90	65.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G146DHA	MW-146	01/16/2001	PROFILE	170.00	170.00	75.90	75.90	8330N	2,6-DINITROTOLUENE	NO
G146DHA	MW-146	01/16/2001	PROFILE	170.00	170.00	75.90	75.90	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G146DHA	MW-146	01/16/2001	PROFILE	170.00	170.00	75.90	75.90	8330N	NITROGLYCERIN	NO
G146DHA	MW-146	01/16/2001	PROFILE	170.00	170.00	75.90	75.90	OC21V	ACETONE	
G146DHA	MW-146	01/16/2001	PROFILE	170.00	170.00	75.90	75.90	OC21V	CHLOROETHANE	
G146DHA	MW-146	01/16/2001	PROFILE	170.00	170.00	75.90	75.90	OC21V	CHLOROMETHANE	
G146DHA	MW-146	01/16/2001	PROFILE	170.00	170.00	75.90	75.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G146DHA	MW-146	01/16/2001	PROFILE	170.00	170.00	75.90	75.90	OC21V	TOLUENE	
G146DIA	MW-146	01/16/2001	PROFILE	180.00	180.00	85.90	85.90	OC21V	ACETONE	
G146DIA	MW-146	01/16/2001	PROFILE	180.00	180.00	85.90	85.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G146DJA	MW-146	01/16/2001	PROFILE	190.00	190.00	95.90	95.90	OC21V	ACETONE	
G146DKA	MW-146	01/16/2001	PROFILE	200.00	200.00	105.90	105.90	OC21V	ACETONE	
G146DKA	MW-146	01/16/2001	PROFILE	200.00	200.00	105.90	105.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G146DLA	MW-146	01/16/2001	PROFILE	210.00	210.00	115.90	115.90	OC21V	ACETONE	
G146DLD	MW-146	01/16/2001	PROFILE	210.00	210.00	115.90	115.90	OC21V	ACETONE	
G146DLD	MW-146	01/16/2001	PROFILE	210.00	210.00	115.90	115.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G146DNA	MW-146	01/17/2001	PROFILE	230.00	230.00	135.90	135.90	OC21V	ACETONE	
G146DNA	MW-146	01/17/2001	PROFILE	230.00	230.00	135.90	135.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G146DOA	MW-146	01/17/2001	PROFILE	240.00	240.00	145.90	145.90	OC21V	ACETONE	
G146DPA	MW-146	01/17/2001	PROFILE	250.00	250.00	155.90	155.90	OC21V	ACETONE	
G146DPA	MW-146	01/17/2001	PROFILE	250.00	250.00	155.90	155.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G146DQA	MW-146	01/17/2001	PROFILE	260.00	260.00	165.90	165.90	OC21V	ACETONE	
G146DQA	MW-146	01/17/2001	PROFILE	260.00	260.00	165.90	165.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G146DRA	MW-146	01/17/2001	PROFILE	270.00	270.00	175.90	175.90	OC21V	ACETONE	
G146DRA	MW-146	01/17/2001	PROFILE	270.00	270.00	175.90	175.90	OC21V	CHLOROFORM	
G146DRA	MW-146	01/17/2001	PROFILE	270.00	270.00	175.90	175.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G146DSA	MW-146	01/18/2001	PROFILE	280.00	280.00	185.90	185.90	OC21V	ACETONE	
G146DSA	MW-146	01/18/2001	PROFILE	280.00	280.00	185.90	185.90	OC21V	CHLOROFORM	

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(UNVALIDATED)
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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G146DSA	MW-146	01/18/2001	PROFILE	280.00	280.00	185.90	185.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G146DTA	MW-146	01/18/2001	PROFILE	290.00	290.00	195.90	195.90	OC21V	ACETONE	
G146DTA	MW-146	01/18/2001	PROFILE	290.00	290.00	195.90	195.90	OC21V	CHLOROFORM	
G146DTA	MW-146	01/18/2001	PROFILE	290.00	290.00	195.90	195.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G147DAA	MW-147	01/17/2001	PROFILE	90.00	90.00	13.40	13.40	8330N	1,3,5-TRINITROBENZENE	YES
G147DAA	MW-147	01/17/2001	PROFILE	90.00	90.00	13.40	13.40	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
G147DAA	MW-147	01/17/2001	PROFILE	90.00	90.00	13.40	13.40	8330N	4-NITROTOLUENE	NO
G147DAA	MW-147	01/17/2001	PROFILE	90.00	90.00	13.40	13.40	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G147DAA	MW-147	01/17/2001	PROFILE	90.00	90.00	13.40	13.40	OC21V	ACETONE	
G147DAA	MW-147	01/17/2001	PROFILE	90.00	90.00	13.40	13.40	OC21V	CHLOROFORM	
G147DAA	MW-147	01/17/2001	PROFILE	90.00	90.00	13.40	13.40	OC21V	METHYL ETHYL KETONE (2-BUTA	
G147DBA	MW-147	01/17/2001	PROFILE	100.00	100.00	23.40	23.40	8330N	PICRIC ACID	NO
G147DBA	MW-147	01/17/2001	PROFILE	100.00	100.00	23.40	23.40	OC21V	ACETONE	
G147DBA	MW-147	01/17/2001	PROFILE	100.00	100.00	23.40	23.40	OC21V	METHYL ETHYL KETONE (2-BUTA	
G147DCA	MW-147	01/17/2001	PROFILE	110.00	110.00	33.40	33.40	OC21V	ACETONE	
G147DCD	MW-147	01/17/2001	PROFILE	110.00	110.00	33.40	33.40	OC21V	ACETONE	
G147DDA	MW-147	01/17/2001	PROFILE	120.00	120.00	43.40	43.40	OC21V	ACETONE	
G147DEA	MW-147	01/17/2001	PROFILE	130.00	130.00	53.40	53.40	OC21V	ACETONE	
G147DFA	MW-147	01/17/2001	PROFILE	140.00	140.00	63.40	63.40	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G147DFA	MW-147	01/17/2001	PROFILE	140.00	140.00	63.40	63.40	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G147DFA	MW-147	01/17/2001	PROFILE	140.00	140.00	63.40	63.40	OC21V	ACETONE	
G147DFA	MW-147	01/17/2001	PROFILE	140.00	140.00	63.40	63.40	OC21V	METHYL ETHYL KETONE (2-BUTA	
G147DGA	MW-147	01/17/2001	PROFILE	150.00	150.00	73.40	73.40	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G147DHA	MW-147	01/17/2001	PROFILE	160.00	160.00	83.40	83.40	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G147DHA	MW-147	01/17/2001	PROFILE	160.00	160.00	83.40	83.40	8330N	NITROGLYCERIN	NO
G147DIA	MW-147	01/18/2001	PROFILE	170.00	170.00	93.40	93.40	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G147DJA	MW-147	01/18/2001	PROFILE	180.00	180.00	103.40	103.40	8330N	2,4-DINITROTOLUENE	NO
G147DJA	MW-147	01/18/2001	PROFILE	180.00	180.00	103.40	103.40	8330N	3-NITROTOLUENE	NO
G147DJA	MW-147	01/18/2001	PROFILE	180.00	180.00	103.40	103.40	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G147DJA	MW-147	01/18/2001	PROFILE	180.00	180.00	103.40	103.40	8330N	NITROGLYCERIN	NO
G147DJA	MW-147	01/18/2001	PROFILE	180.00	180.00	103.40	103.40	OC21V	ACETONE	
G147DKA	MW-147	01/18/2001	PROFILE	190.00	190.00	113.40	113.40	OC21V	CHLOROFORM	

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

TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 12/10/00-1/31/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G147DLA	MW-147	01/18/2001	PROFILE	200.00	200.00	123.40	123.40	OC21V	CHLOROFORM	
G147DLD	MW-147	01/18/2001	PROFILE	210.00	210.00	133.40	133.40	OC21V	ACETONE	
G147DLD	MW-147	01/18/2001	PROFILE	210.00	210.00	133.40	133.40	OC21V	CHLOROFORM	
G147DMA	MW-147	01/18/2001	PROFILE	220.00	220.00	143.40	143.40	OC21V	CHLOROFORM	
G147DOA	MW-147	01/18/2001	PROFILE	230.00	230.00	153.40	153.40	8330N	3-NITROTOLUENE	NO
G147DOA	MW-147	01/18/2001	PROFILE	230.00	230.00	153.40	153.40	8330N	4-NITROTOLUENE	NO
G147DOA	MW-147	01/18/2001	PROFILE	230.00	230.00	153.40	153.40	OC21V	ACETONE	
G147DOA	MW-147	01/18/2001	PROFILE	230.00	230.00	153.40	153.40	OC21V	CHLOROFORM	
G147DPA	MW-147	01/18/2001	PROFILE	240.00	240.00	163.40	163.40	OC21V	ACETONE	
G147DQA	MW-147	01/18/2001	PROFILE	250.00	250.00	173.40	173.40	8330N	3-NITROTOLUENE	NO
G147DQA	MW-147	01/18/2001	PROFILE	250.00	250.00	173.40	173.40	8330N	4-NITROTOLUENE	NO
G147DQA	MW-147	01/18/2001	PROFILE	250.00	250.00	173.40	173.40	8330N	PICRIC ACID	NO
G147DQA	MW-147	01/18/2001	PROFILE	250.00	250.00	173.40	173.40	OC21V	ACETONE	
G147DRA	MW-147	01/19/2001	PROFILE	260.00	260.00	183.40	183.40	OC21V	1,2-DICHLOROPROPANE	
G147DTA	MW-147	01/19/2001	PROFILE	276.00	276.00	199.40	199.40	8330N	3-NITROTOLUENE	NO
G147DTA	MW-147	01/19/2001	PROFILE	276.00	276.00	199.40	199.40	8330N	PICRIC ACID	NO
G147DTA	MW-147	01/19/2001	PROFILE	276.00	276.00	199.40	199.40	OC21V	ACETONE	
G147DTD	MW-147	01/19/2001	PROFILE	276.00	276.00	199.40	199.40	8330N	1,3,5-TRINITROBENZENE	NO
G147DTD	MW-147	01/19/2001	PROFILE	276.00	276.00	199.40	199.40	8330N	3-NITROTOLUENE	NO
G147DTD	MW-147	01/19/2001	PROFILE	276.00	276.00	199.40	199.40	OC21V	ACETONE	
G148DAA	MW-148	01/17/2001	PROFILE	70.00	70.00	7.00	7.00	OC21V	ACETONE	
G148DAA	MW-148	01/17/2001	PROFILE	70.00	70.00	7.00	7.00	OC21V	CHLOROFORM	
G148DAA	MW-148	01/17/2001	PROFILE	70.00	70.00	7.00	7.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G148DBA	MW-148	01/17/2001	PROFILE	80.00	80.00	17.00	17.00	OC21V	ACETONE	
G148DBA	MW-148	01/17/2001	PROFILE	80.00	80.00	17.00	17.00	OC21V	CHLOROFORM	
G148DBA	MW-148	01/17/2001	PROFILE	80.00	80.00	17.00	17.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G148DCA	MW-148	01/17/2001	PROFILE	90.00	90.00	27.00	27.00	OC21V	ACETONE	
G148DCA	MW-148	01/17/2001	PROFILE	90.00	90.00	27.00	27.00	OC21V	CHLOROFORM	
G148DCA	MW-148	01/17/2001	PROFILE	90.00	90.00	27.00	27.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G148DCD	MW-148	01/17/2001	PROFILE	90.00	90.00	27.00	27.00	OC21V	ACETONE	
G148DCD	MW-148	01/17/2001	PROFILE	90.00	90.00	27.00	27.00	OC21V	CHLOROFORM	
G148DCD	MW-148	01/17/2001	PROFILE	90.00	90.00	27.00	27.00	OC21V	METHYL ETHYL KETONE (2-BUTA	

DATA REPORTED REFLECT CURRENT DATABASE FOR SAMPLES COLLECTED IN SPECIFIED TIMEFRAME. NOT ALL RESULTS ARE COMPLETE.
SBD = SAMPLE COLLECTION BEGIN DEPTH IN FEET BGS
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TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 12/10/00-1/31/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G148DDA	MW-148	01/17/2001	PROFILE	100.00	100.00	37.00	37.00	OC21V	ACETONE	
G148DDA	MW-148	01/17/2001	PROFILE	100.00	100.00	37.00	37.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G148DEA	MW-148	01/17/2001	PROFILE	110.00	110.00	47.00	47.00	OC21V	ACETONE	
G148DEA	MW-148	01/17/2001	PROFILE	110.00	110.00	47.00	47.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G148DFA	MW-148	01/17/2001	PROFILE	120.00	120.00	57.00	57.00	OC21V	ACETONE	
G148DFA	MW-148	01/17/2001	PROFILE	120.00	120.00	57.00	57.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G148DGA	MW-148	01/17/2001	PROFILE	130.00	130.00	67.00	67.00	OC21V	ACETONE	
G148DGA	MW-148	01/17/2001	PROFILE	130.00	130.00	67.00	67.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G148DHA	MW-148	01/17/2001	PROFILE	140.00	140.00	77.00	77.00	OC21V	CHLOROFORM	
G148DIA	MW-148	01/17/2001	PROFILE	150.00	150.00	87.00	87.00	OC21V	ACETONE	
G148DIA	MW-148	01/17/2001	PROFILE	150.00	150.00	87.00	87.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G148DJA	MW-148	01/18/2001	PROFILE	160.00	160.00	97.00	97.00	OC21V	ACETONE	
G148DJA	MW-148	01/18/2001	PROFILE	160.00	160.00	97.00	97.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G148DKA	MW-148	01/18/2001	PROFILE	170.00	170.00	107.00	107.00	OC21V	ACETONE	
G148DKA	MW-148	01/18/2001	PROFILE	170.00	170.00	107.00	107.00	OC21V	CHLOROFORM	
G148DLA	MW-148	01/18/2001	PROFILE	180.00	180.00	117.00	117.00	OC21V	ACETONE	
G148DLD	MW-148	01/18/2001	PROFILE	180.00	180.00	117.00	117.00	OC21V	ACETONE	
G148DMA	MW-148	01/18/2001	PROFILE	190.00	190.00	127.00	127.00	OC21V	ACETONE	
G148DPA	MW-148	01/18/2001	PROFILE	220.00	220.00	157.00	157.00	OC21V	ACETONE	
G148DPA	MW-148	01/18/2001	PROFILE	220.00	220.00	157.00	157.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G148DQA	MW-148	01/18/2001	PROFILE	230.00	230.00	167.00	167.00	OC21V	ACETONE	
G148DRA	MW-148	01/18/2001	PROFILE	240.00	240.00	177.00	177.00	OC21V	ACETONE	
G149DEA	MW-149	01/30/2001	PROFILE	160.00	160.00	52.50	52.50	8330N	2,4-DINITROTOLUENE	NO
G149DEA	MW-149	01/30/2001	PROFILE	160.00	160.00	52.50	52.50	8330N	NITROGLYCERIN	NO
G149DMA	MW-149	01/31/2001	PROFILE	240.00	240.00	132.50	132.50	8330N	1,3-DINITROBENZENE	NO
G149DMA	MW-149	01/31/2001	PROFILE	240.00	240.00	132.50	132.50	8330N	NITROGLYCERIN	NO
G149DMD	MW-149	01/31/2001	PROFILE	240.00	240.00	132.50	132.50	8330N	1,3-DINITROBENZENE	NO
G149DMD	MW-149	01/31/2001	PROFILE	240.00	240.00	132.50	132.50	8330N	NITROGLYCERIN	NO

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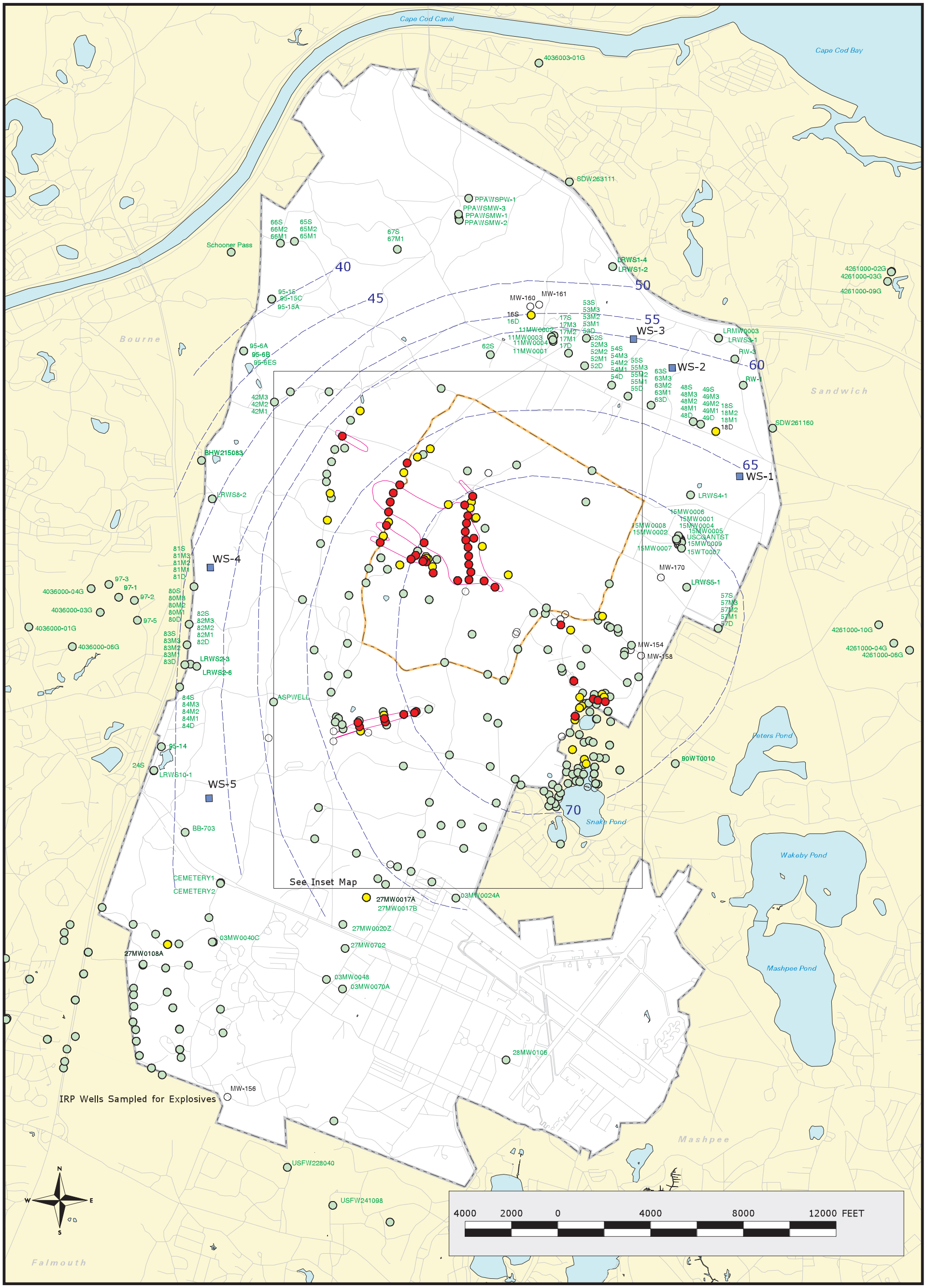

LEGEND

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

Sources & Notes

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

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Figure 1

Explosives in Groundwater Compared to MCL/HAs Validated Data as of 06/29/01

Analyte Group
1

Impact Area

CS-19

Demo Area 1

J Ranges

Snake Pond

RANGECOON

TEXTRONPW-1

TEXTRONPW-2

SMR-2

SMR-3

SMR-4

MW-115

MW-152

MW-155

MW-157

MW-159

MW-162

MW-163

MW-164

MW-165

MW-166

MW-167

MW-168

MW-169

MW-171

MW-172

LRWS6-1

LRWS7-1

4261000-05G

1600 800 0 1600 3200 4800 FEET

1 MILE

N

W

E

S

LEGEND

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

Sources & Notes

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

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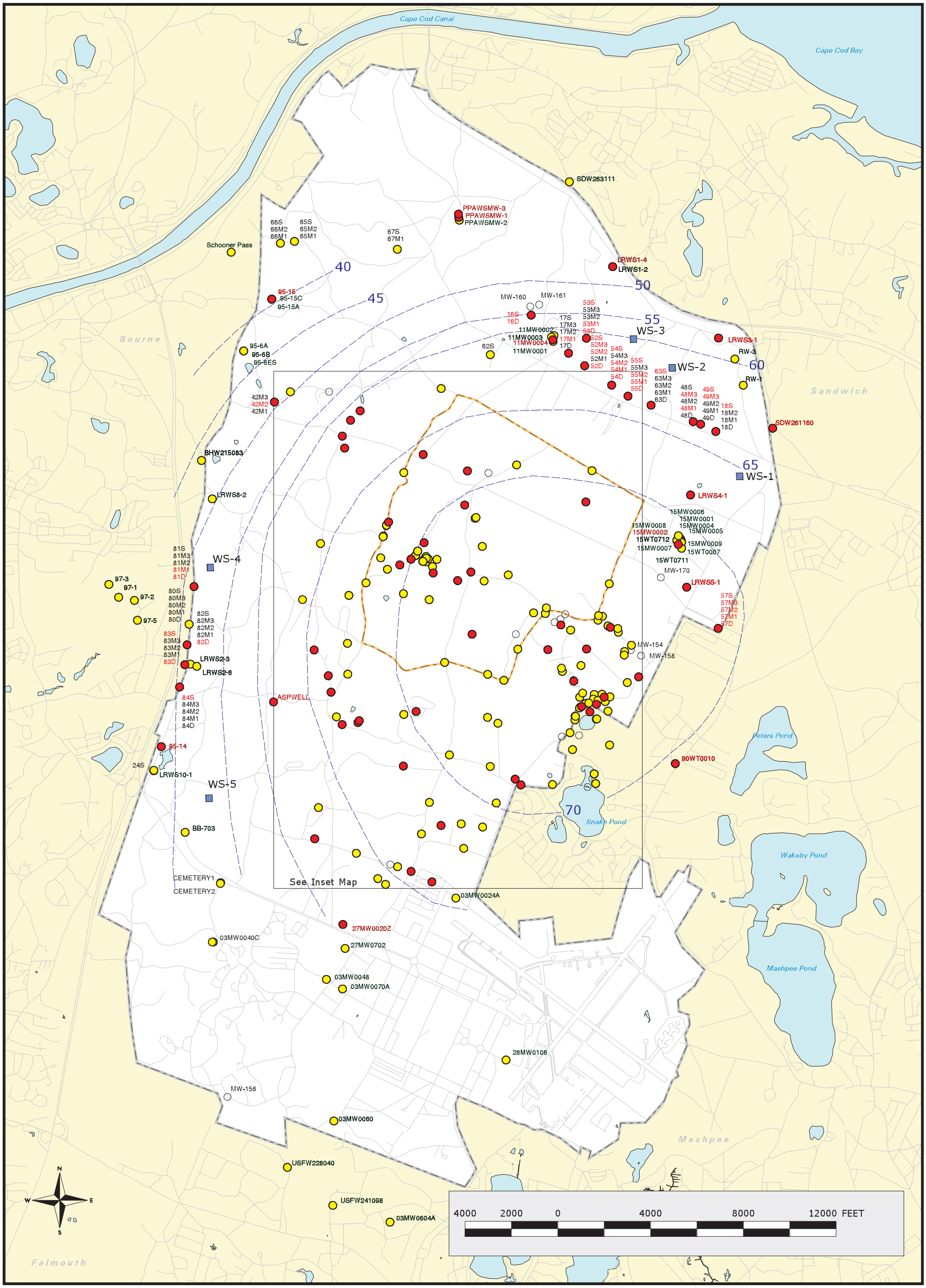
Figure 1 - INSET MAP

Explosives in Groundwater Compared to MCL/HAs Validated Data as of 06/29/01

Analyte Group
1



LEGEND

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

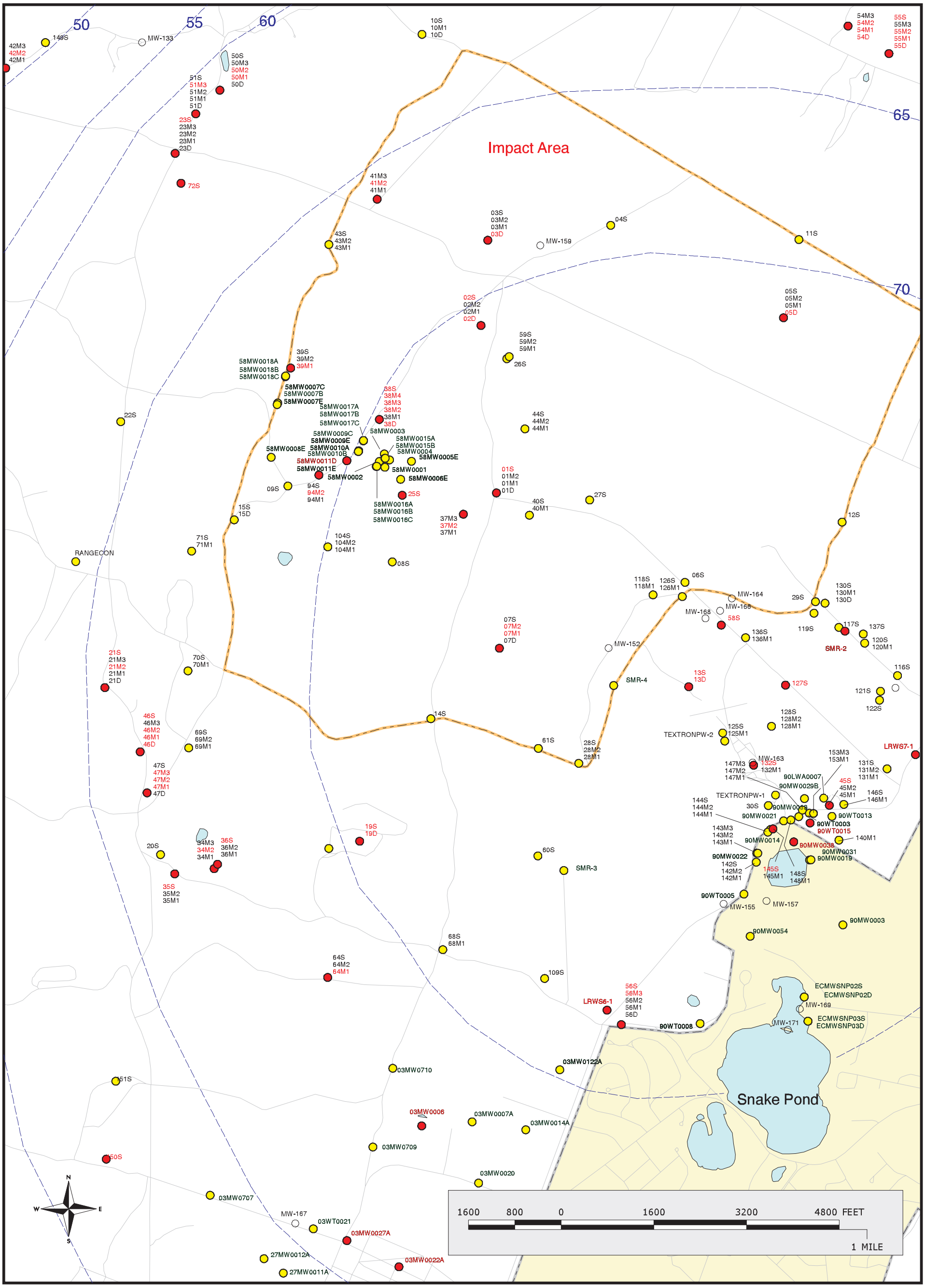
Sources & Notes

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

Figure 2

Metals in Groundwater Compared to MCL/HAs Validated Data as of 06/29/01

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 Topographic Maps.
Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPsZone 2001, Units: Meters

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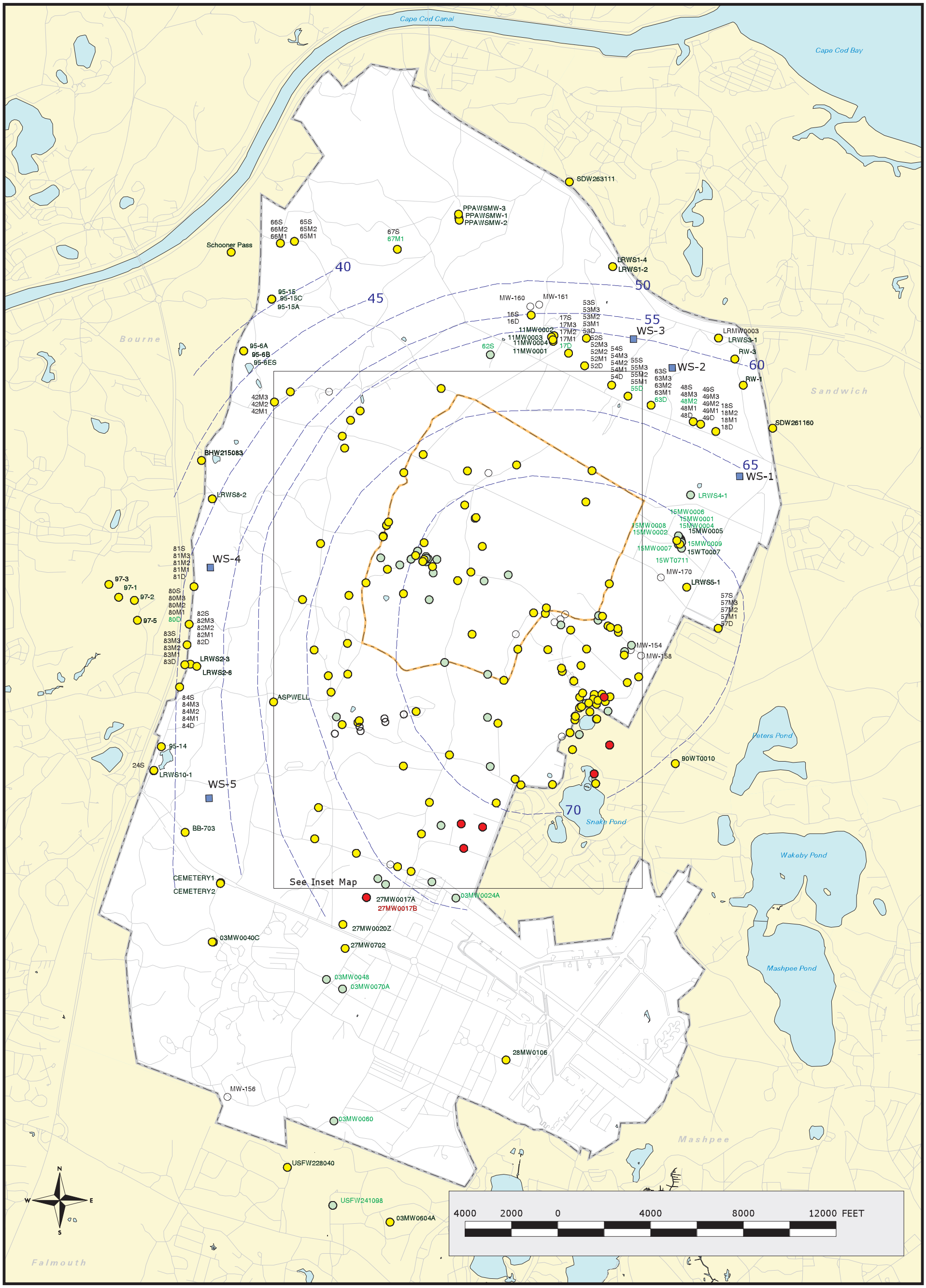
Figure 2 - INSET MAP

Metals in Groundwater Compared to MCL/HAs Validated Data as of 06/29/01

Analyte Group
2

g:\mmr\al\amls\work\monthly\july2001\metals



LEGEND

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

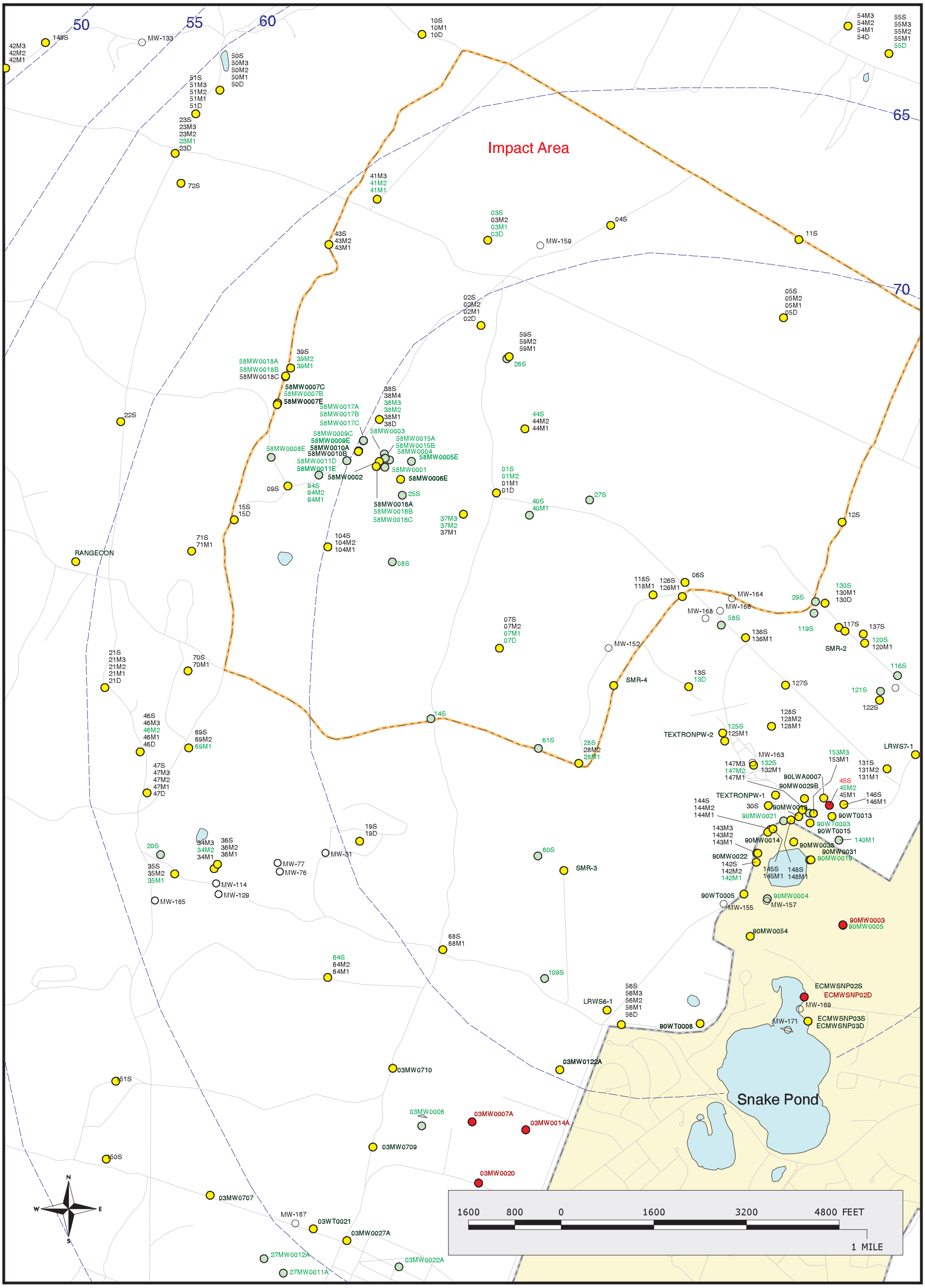
Sources & Notes

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

Figure 3

VOCs in Groundwater Compared to MCL/HAs Validated Data as of 06/29/01

Analyte Group
3



LEGEND

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

Sources & Notes

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

amec July 03, 2001 DRAFT

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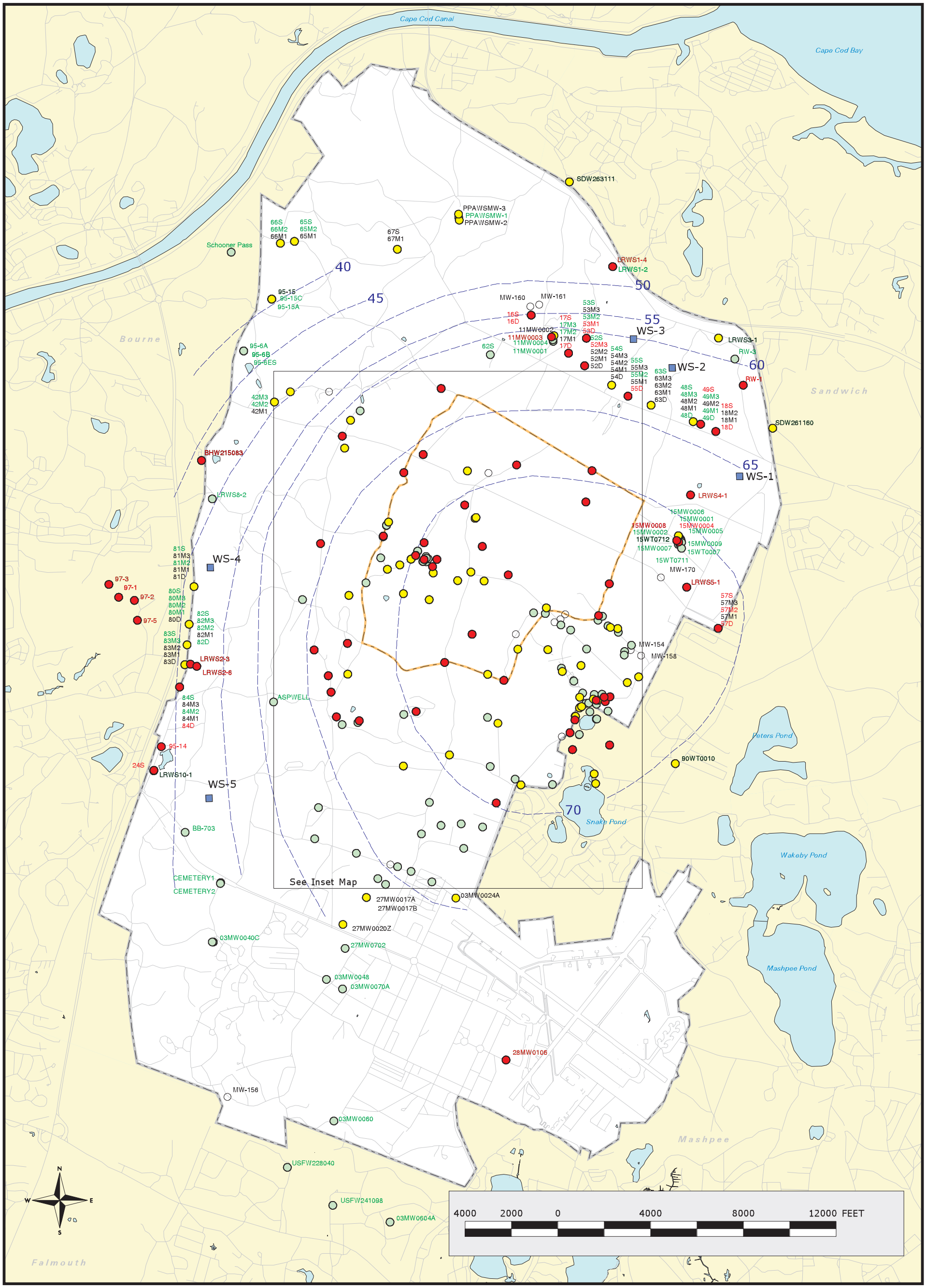
Figure 3 - INSET MAP

VOCs in Groundwater Compared to MCL/HAs Validated Data as of 06/29/01

Analyte Group
3



LEGEND

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

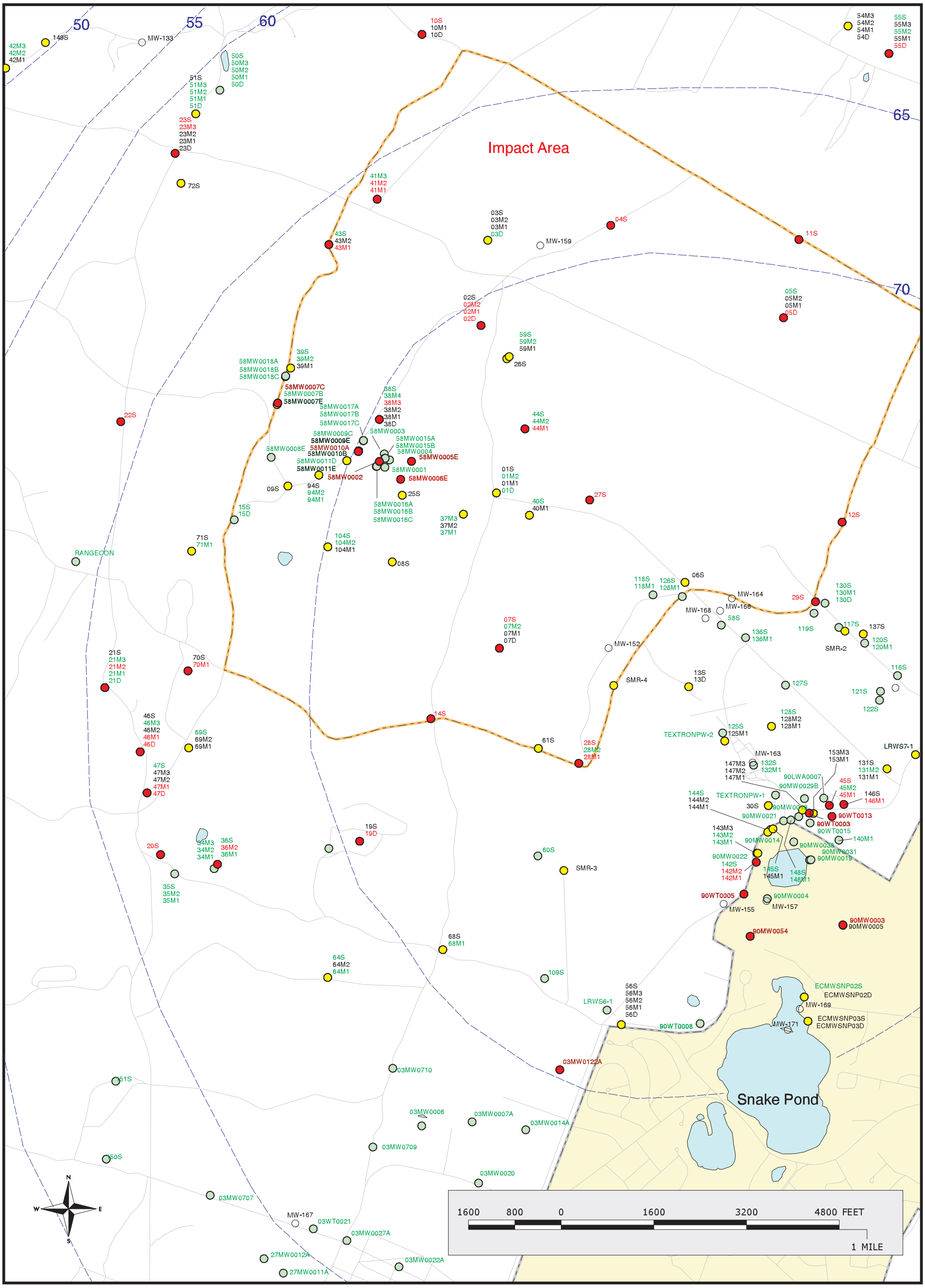
Sources & Notes

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

Figure 4

SVOCs in Groundwater Compared to MCL/HAs Validated Data as of 06/29/01

Analyte Group
4



LEGEND

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

Sources & Notes

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

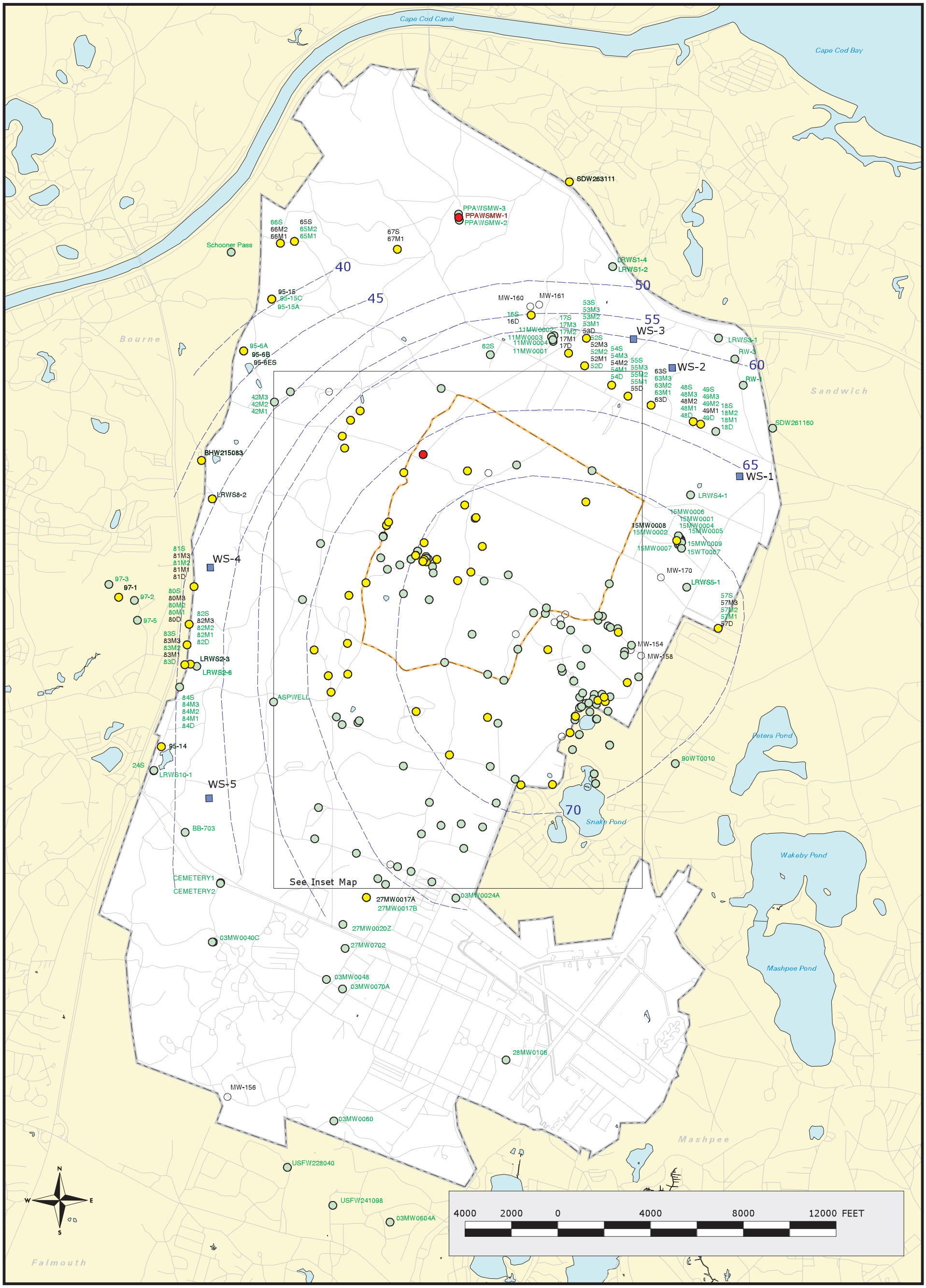
amec July 03, 2001 DRAFT

Figure 4 - INSET MAP

SVOCs in Groundwater Compared to MCL/HAs Validated Data as of 06/29/01

Analyte Group
4

g:\mmr\al\amls\work\monthly\july2001\svoc



LEGEND

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

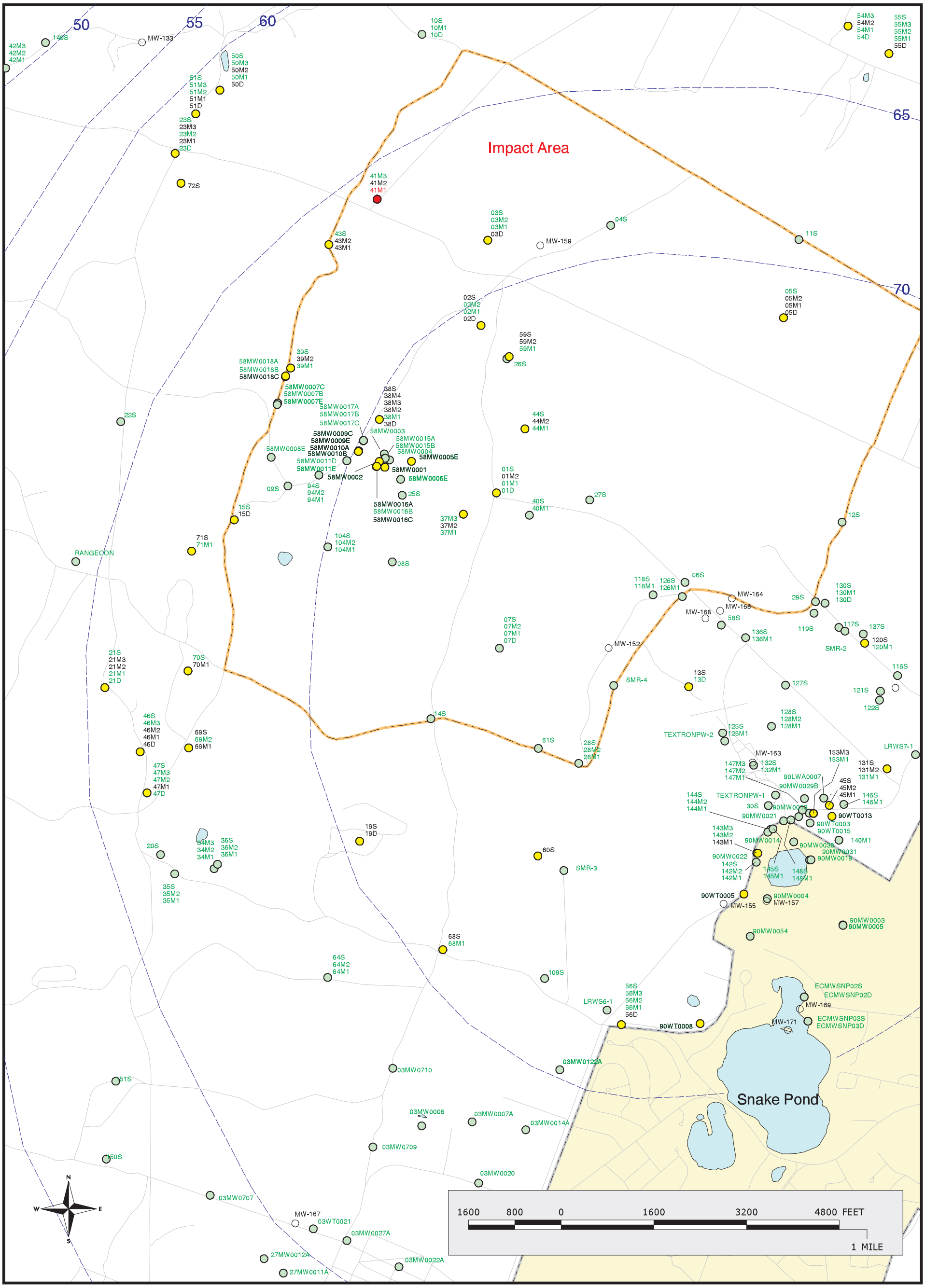
Sources & Notes

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

Figure 5

Herbicides and Pesticides in Groundwater Compared to MCL/HAs Validated Data as of 06/29/01

Analyte Group
5



LEGEND

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

Sources & Notes

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

amec July 03, 2001 DRAFT

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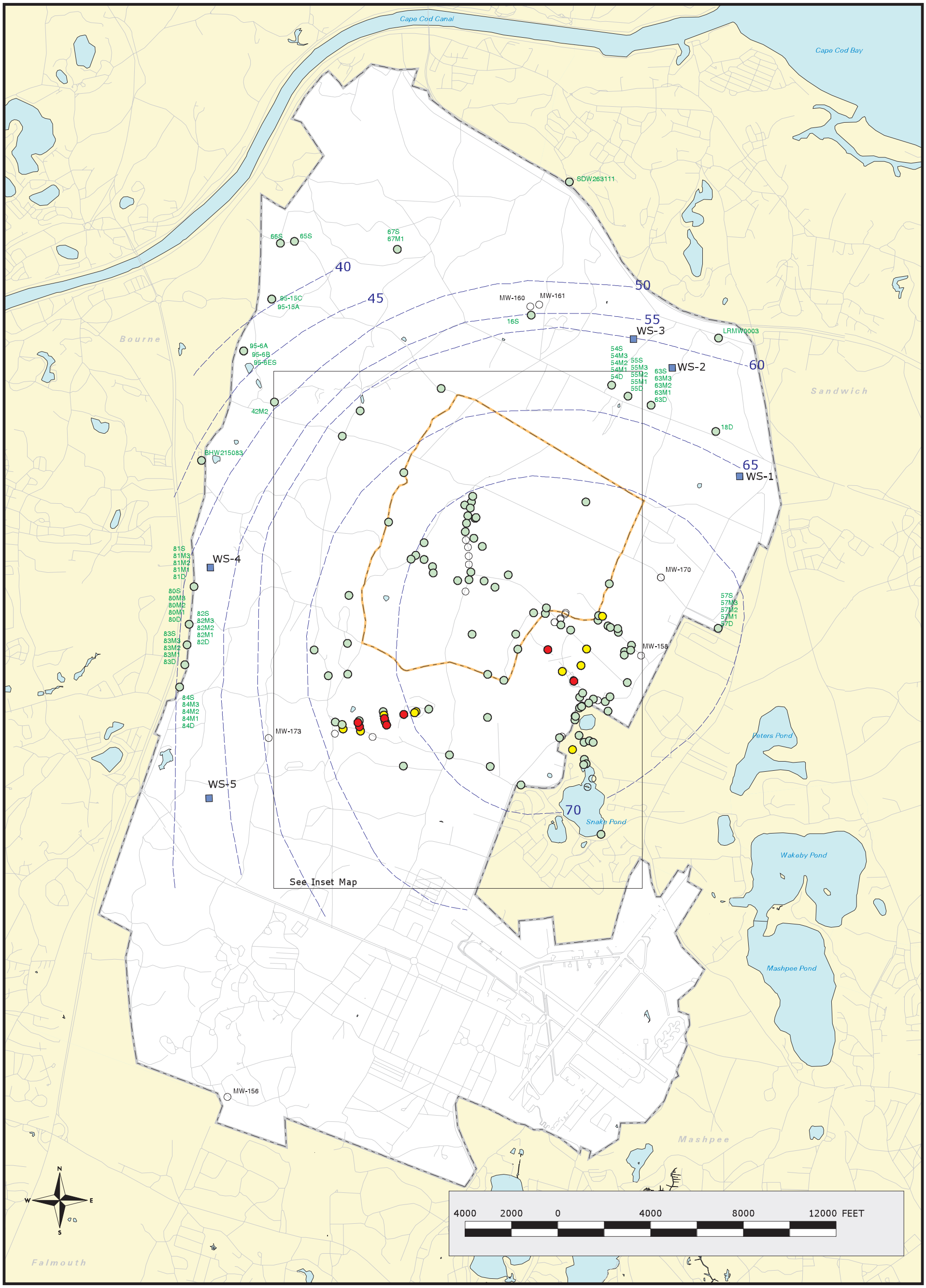
Figure 5 - INSET MAP

Herbicides and Pesticides in Groundwater Compared to MCL/HAs Validated Data as of 06/29/01

Analyte Group
5



LEGEND

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

Sources & Notes

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

amec July 05, 2001 DRAFT

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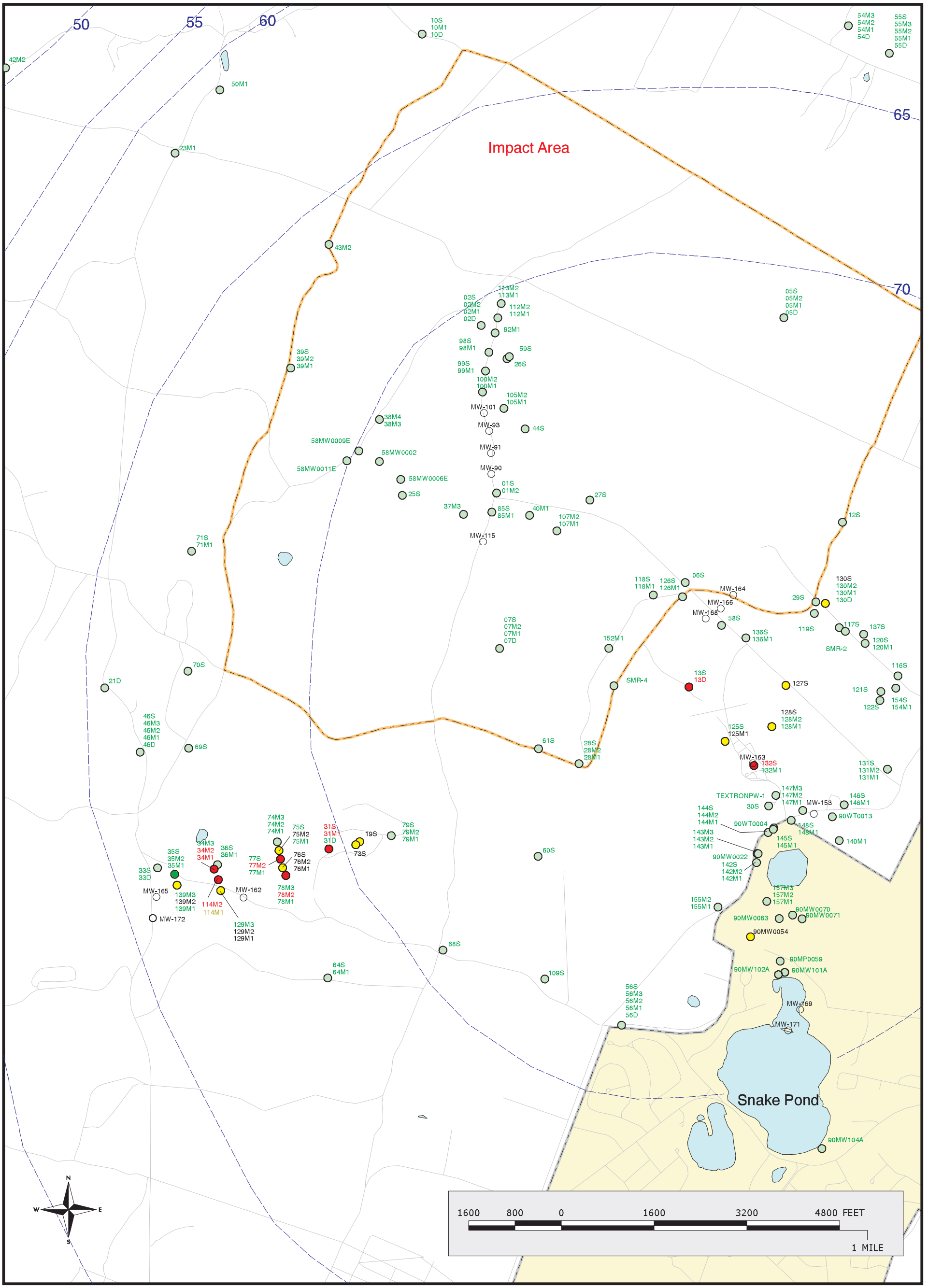
Figure 6

Perchlorate in Groundwater Compared to Safe Exposure Limit Validated Data as of 06/29/01

Analyte Group
6



LEGEND

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

Sources & Notes

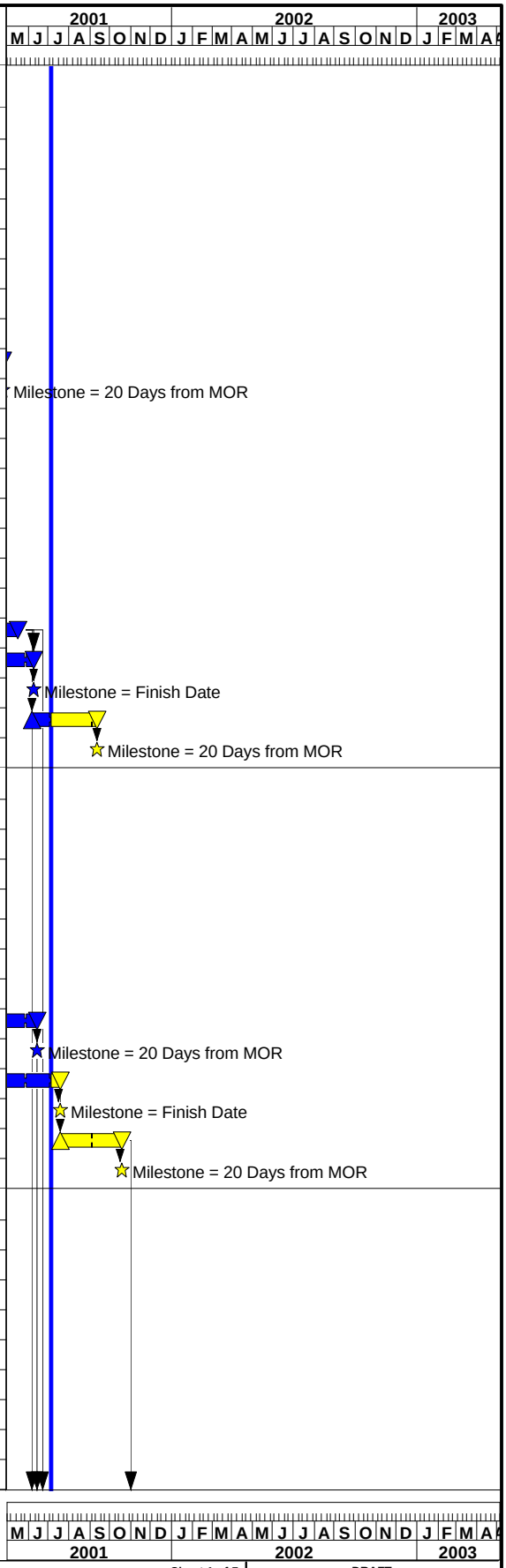
Base from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS
Map Coordinates: Stateplane,
NAD83, FIPsZone 2001, Units: Meters

Figure 6 - INSET MAP

Perchlorate in Groundwater Compared to Safe Exposure Limit Validated Data as of 06/29/01

Analyte Group
6

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Site Characterization (AO1)					
Demo Area 1					
00110	Demo 1 Soil/GW Investigation		0	14OCT99A	23MAR00A
00120	Demo 1 Soil/GW Report Preparation		0	09MAR00A	08JUN00A
00130	Demo 1 Draft Soil/GW Report	YES	0		08JUN00A
00144	Demo 1 Establish GW COCs		0	22AUG00A	05DEC00A
00146	Demo 1 Rvw/Apprv GW COCs		0	06DEC00A	19DEC00A
00148	Demo 1 Prepare Draft GW Report		0	20DEC00A	18JAN01A
00150	Demo 1 Draft GW Report	YES	0		18JAN01A
00152	Demo 1 Revise Draft GW Report		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		48	08JUN01A	11SEP01
00159	Demo 1 Final Soil Report	YES	0		11SEP01
Central Impact Area					
00210	Impact Area Planning		0	23AUG99A	24JAN00A
00220	Impact Area Start Data Collection	YES	0	05JAN00A	
00230	Impact Area Investigation		0	05JAN00A	27JUL00A
00272	Response Plan Preparation		0	03MAY00A	31AUG00A
00274	Response Plan Investigation		0	14JUN00A	20DEC00A
00276	Response Plan Report Prep.		0	27NOV00A	28FEB01A
00278	Response Plan Draft Report (GW)	YES	0		28FEB01A
00280	Response Plan Revise Draft Report		0	01MAR01A	13JUN01A
00282	Response Plan Final Report (GW)	YES	0		13JUN01A
00286	Prepare Draft Soil Report		9	09APR01A	17JUL01
00288	Submit Draft Soil Report	YES	0		17JUL01
00290	Revise Draft Soil Report		65	18JUL01	17OCT01
00292	Final Soil Report	YES	0		17OCT01
J-2 Range					
00310	J-2 Range Planning		0	08FEB00A	07APR00A
00320	J-2 Range Draft Workplan	YES	0		07APR00A
00330	J-2 Range Rev. Draft Workplan		0	10APR00A	01AUG00A
00340	J-2 Range Final Workplan		0		01AUG00A
00350	J-2 Range Start Data Collection	YES	0	05JUL00A	
00360	J-2 Range Investigation		0	05JUL00A	01DEC00A
00365	J-2 Range Geophysics Survey		0	15MAY00A	28MAR01A
00367	J-2 Range Geophysics Prsntatn.		0		19APR01A
00370	J-2 Range Report Preparation		0	16NOV00A	16MAR01A



Project Start 29FEB00
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Figure 7. Combined Schedule for Impact Area Groundwater Study Prgrm. as of 7/5/01

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Date	Revision	Checked	Approved

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
J-2 Range					
00380	J-2 Range Interim Data Report	YES	0		16MAR01A
00392	J-2 Additional Delineation Planning		0	04DEC00A	21MAY01A
00394	J-2 Range Additional Delineation		27	16JUL01*	21AUG01
00395	J-2 Range Draft Report Prep.		65	07AUG01	06NOV01
00396	J-2 Range Draft Report	YES	0		06NOV01
00397	J-2 Range Revise Draft Report		65	07NOV01	11FEB02
00398	J-2 Range Final Report	YES	0		11FEB02
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		44	22JAN01A	05SEP01
00475	J-1/J-3/L Range Interim Results Report	YES	0		30MAR01A
00480	J-1/J-3 Range Draft Report	YES	0		05SEP01
00490	J-1/J-3 Range Rev. Draft Report		65	06SEP01	07DEC01
00491	J-1/J-3 Range Final Report	YES	0		07DEC01
00492	Additional Delineation Planning		12	26APR01A	20JUL01
00493	Additional Delineation Investigation		88	06JUL01	07NOV01
00494	Additional Delineation Report Prep.		70	24OCT01	04FEB02
00495	Additional Delineation Draft Report	YES	0		04FEB02
00496	Additional Delineation Rev. Draft Report		65	05FEB02	06MAY02
00497	Additional Delineation Final Report	YES	0		06MAY02
Gun/Mortar Positions					
00510	Gun/Mortar Investigation		0	30AUG99A	17APR00A
00515	Gun/Mortar Geophys. Presentation		0		23MAR00A
00520	Gun/Mortar Report Preparation		0	24MAR00A	07JUL00A
00530	Gun/Mortar Draft Report	YES	0		07JUL00A
00540	Gun/Mortar Report MOR		0	10JUL00A	16NOV00A
00542	Gun/Mortar Establish COCs		0	16FEB01A	06JUN01A
00546	Gun/Mortar Prepare Draft Final Report		20	06JUN01A	01AUG01
00548	Gun/Mortar Draft Final Report	YES	0		01AUG01
00549	Gun/Mortar Rev. Draft Final		65	02AUG01	01NOV01
00550	Gun/Mortar Final Report	YES	0		01NOV01
+ Trenches, Bunkers, Ground Scars					
			0	04OCT99A	18SEP00A
+ Mortar Targets					
			0	04OCT99A	16NOV00A
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

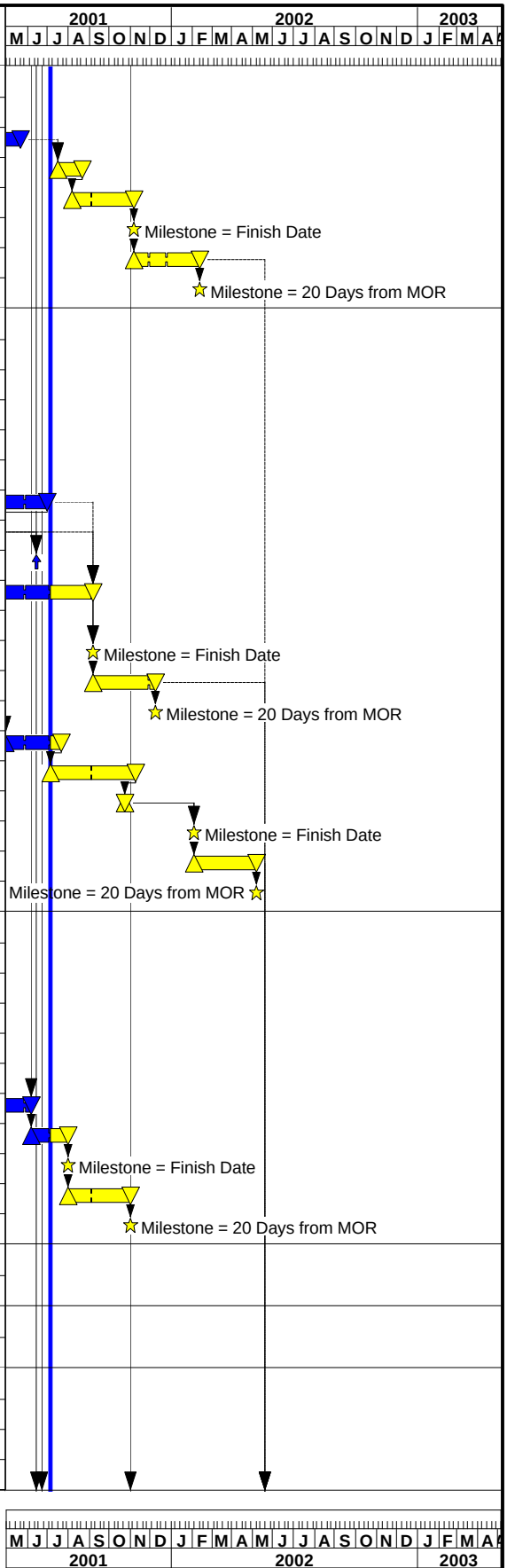

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Figure 7. Combined Schedule for Impact Area Groundwater Study Prgrm. as of 7/5/01

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Date	Revision	Checked	Approved

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Training Areas					
00840	Training Areas Final Workplan	YES	0		23MAR00A
00850	Training Areas Start Data Cllctn	YES	0	20MAR00A	
00860	Training Areas Investigation		90	20MAR00A	08NOV01
00870	Training Areas Report Preparation		62	26OCT01	25JAN02
00880	Training Areas Draft Report	YES	0		25JAN02
00890	Training Areas Rev. Draft Report		65	28JAN02	26APR02
00895	Training Areas Final Report	YES	0		26APR02
+ KD/U Ranges					
			0	10MAY99A	16JUN00A
+ J-3 Wetland					
			0	15APR99A	20JUL00A
High Use Target Area 1					
01110	HUTA Planning		0	10JAN00A	24APR00A
01120	HUTA Draft Workplan		0		24APR00A
01130	HUTA Revise Draft Workplan		0	24APR00A	27OCT00A
01140	HUTA Final Workplan		0		27OCT00A
01170	HUTA Report Preparation		84	04DEC00A	31OCT01
01180	HUTA Draft Report	YES	0		31OCT01
01190	HUTA Revise Draft Report		65	01NOV01	05FEB02
01195	HUTA Final Report	YES	0		05FEB02
+ Water Bodies					
			0	19NOV99A	13JUL00A
+ Slit Trench					
			0	01MAY00A	27JUL00A
+ Impact Area Targets					
			0	24APR00A	18APR01A
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		2	15JAN01A	06JUL01
01540	Phase II(b) Report Preparation		33	29MAY01A	20AUG01
01550	Phase II(b) Draft Report	YES	0		20AUG01
01560	Revise Draft Report		65	21AUG01	20NOV01
01570	Phase II(b) Final Report	YES	0		20NOV01
Munition Survey Project					
01610	Submit MSP Phase I Draft Report	YES	0		30OCT00A
01615	Revise MSP Phase I Draft Report		42	01NOV00A	31AUG01
01620	Submit Revised MSP Phase I Draft	YES	0		31AUG01
01625	Revise Revised MSP Phase I Draft		65	04SEP01	05DEC01
01630	Submit MSP Phase I Final Report	YES	0		05DEC01
+ Fate and Transport Modeling					
			0	01JAN99A	19DEC00A
Groundwater Monitoring Programs					
08100	Water Supply (Qrtrly & Annual)	YES	0	12JUL99A	29DEC00A
08110	Phase I Wells	YES	0	01SEP97A	30NOV99A

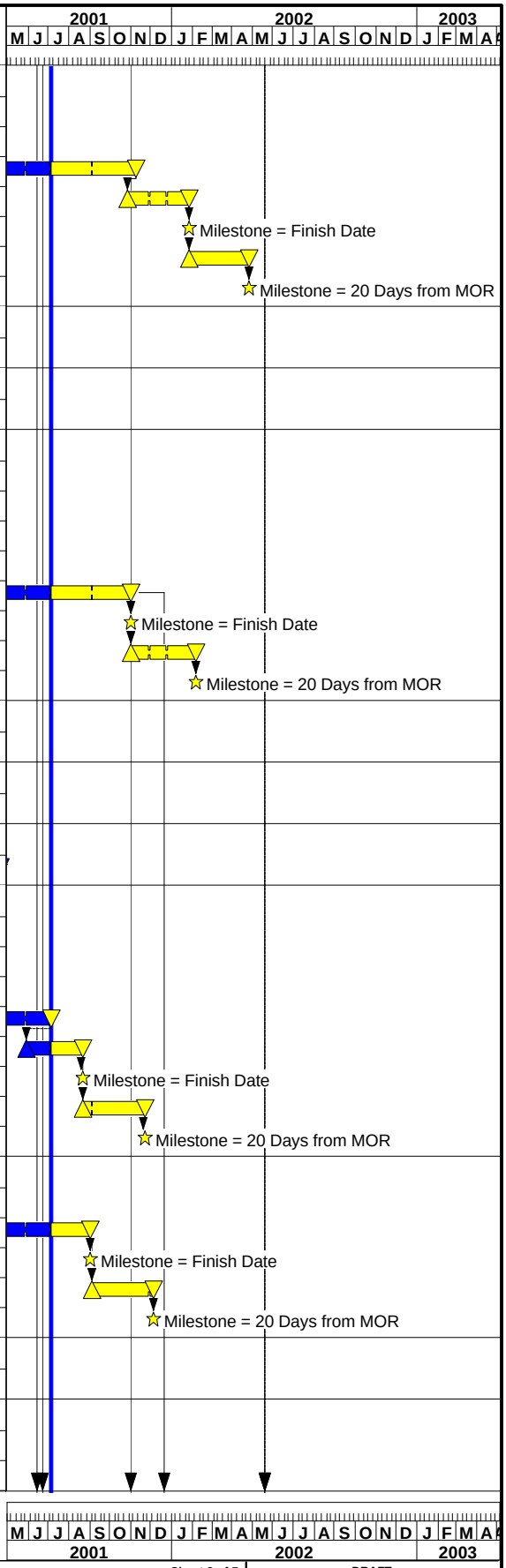

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Figure 7. Combined Schedule for Impact Area Groundwater Study Prgrm. as of 7/5/01

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Date	Revision	Checked	Approved

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Groundwater Monitoring Programs					
08120	Far Field Group 1 Wells	YES	0	17FEB99A	22NOV99A
08130	Supplemental IRP Wells	YES	0	08APR99A	04FEB00A
08140	Phase II (a) Wells	YES	0	30MAR99A	11MAY00A
08150	Far Field Group 2 Wells	YES	0	21SEP99A	14APR00A
08160	Far Field New Group 2 Wells		0	21OCT99A	07JUL00A
08170	Gun/Mortar Position Wells	YES	0	01NOV99A	04MAY00A
08180	Demo 1 1999 Response Wells		0	20JAN00A	03AUG00A
08190	Impact Area 2000 Response Wells		19	28APR00A	31JUL01
08200	CY 2000 Interim LT Monitoring		0	02MAY00A	29DEC00A
08210	CY 2001 Interim LT Monitoring		123	26APR01A	31DEC01
+ Analytical Methods					
			0	05NOV98A	26JUN00A
Reports					
09160	Phase II Interim Results Preparation		0	01SEP99A	01NOV99A
09170	Phase II Interim Results Report		0		01NOV99A
09180	Background GW Report Prep		0	01NOV99A	10DEC99A
09190	Draft Background GW Report		0		10DEC99A
09200	Draft ILTGM Plan Preparation		0	06JAN00A	01MAR00A
09210	Draft ILTGM Plan		0		02MAR00A
09220	Revise Draft ILTGM Plan		0	02MAR00A	18AUG00A
09230	Final ILTGM Plan		0		18AUG00A
09330	Submit Draft Revised ASR	YES	0		31JUL01
Rapid Response Actions (AO3)					
+ Group 1 (KD, J-3, GP-16, APC)					
			0	31JAN00A	30APR01A
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		58	22JUN01A	25SEP01
21200	Final FS Screening Report	YES	0		25SEP01
21210	Post-Screening Invest. Workplan Prep.		22	28AUG01	27SEP01
21220	Draft Post-Screening Invest. Workplan	YES	0		27SEP01
21230	Revise Draft PSI Workplan		65	28SEP01	02JAN02
21240	Final Post-Screening Workplan		0		02JAN02
21250	Start Post-Screening Investigation	YES	0	04DEC01	
21260	Post-Screening Investigation		80	04DEC01	27MAR02
21310	FS Preparation		40	28MAR02	22MAY02
21320	Draft FS	YES	0		22MAY02
21330	Revise Draft FS		65	23MAY02	21AUG02
21340	Final FS	YES	0		21AUG02
21350	(Draft FS if no PSI)		40	28AUG01	23OCT01

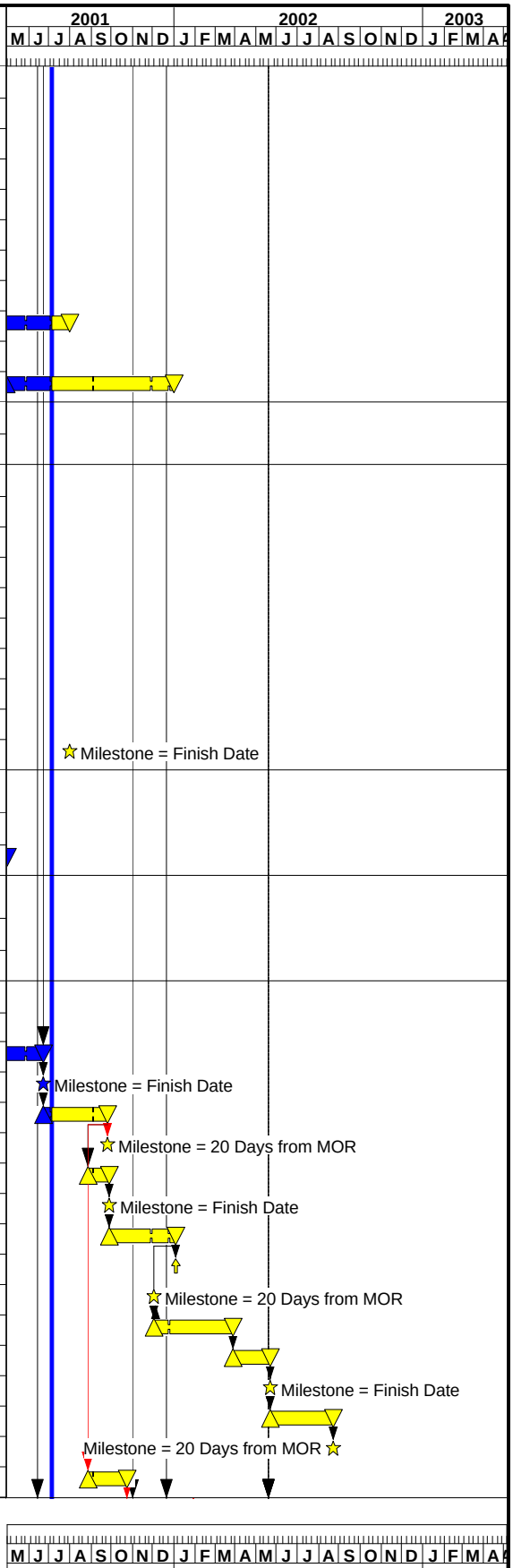

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Figure 7. Combined Schedule for Impact Area Groundwater Study Prgrm. as of 7/5/01

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Date	Revision	Checked	Approved

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Soil Operable Unit					
21360	(Final FS if no PSI)		65	24OCT01	28JAN02
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		18	21MAR01A	30JUL01
21650	FS Preparation		40	31JUL01	25SEP01
21660	Draft FS	YES	0		25SEP01
21670	Revise Draft FS		65	26SEP01	31DEC01
21680	Final FS	YES	0		31DEC01
Central Impact Area					
Soil Operable Unit					
22110	FS Screening Report Preparation		40	06SEP01	31OCT01
22120	Draft FS Screening Report	YES	0		31OCT01
22130	Revise Draft FS Screening Report		65	01NOV01	05FEB02
22140	Final FS Screening Report	YES	0		05FEB02
22150	Post-Screening Invest. Workplan Prep.		22	30JAN02	28FEB02
22160	Draft Post-Screening Invest. Workplan	YES	0		28FEB02
22170	Revise Draft PSI Workplan		65	01MAR02	30MAY02
22180	Final Post-Screening Workplan		0		30MAY02
22190	Start Post-Screening Investigation	YES	0	03MAY02	
22200	Post-Screening Investigation		80	03MAY02	22AUG02
22210	FS Preparation		40	23AUG02	17OCT02
22220	Draft FS	YES	0		17OCT02
22230	Revise Draft FS		65	18OCT02	16JAN03
22240	Final FS	YES	0		16JAN03
22250	(Draft FS if no PSI)		40	09JAN02	05MAR02
22260	(Final FS if no PSI)		65	06MAR02	04JUN02
Groundwater Operable Unit					
22300	FS Screening Report Preparation		0	19APR01A	14JUN01A
22310	Draft FS Screening Report	YES	0		14JUN01A
22320	Revise Draft FS Screening Report		52	14JUN01A	17SEP01
22330	Final FS Screening Report	YES	0		17SEP01
22340	Post-Screening Invest. Workplan Prep.		22	20AUG01	19SEP01
22350	Draft Post-Screening Invest. Workplan	YES	0		19SEP01
22360	Revise Draft PSI Workplan		65	20SEP01	21DEC01
22370	Final Post-Screening Workplan		0		21DEC01
22380	Start Post-Screening Investigation	YES	0	22NOV01	
22390	Post-Screening Investigation		80	22NOV01	19MAR02
22400	FS Preparation		40	20MAR02	14MAY02
22410	Draft FS	YES	0		14MAY02
22420	Revise Draft FS		65	15MAY02	13AUG02
22430	Final FS	YES	0		13AUG02
22440	(Draft FS if no PSI)		40	20AUG01	15OCT01
22450	(Final FS if no PSI)		65	16OCT01	18JAN02

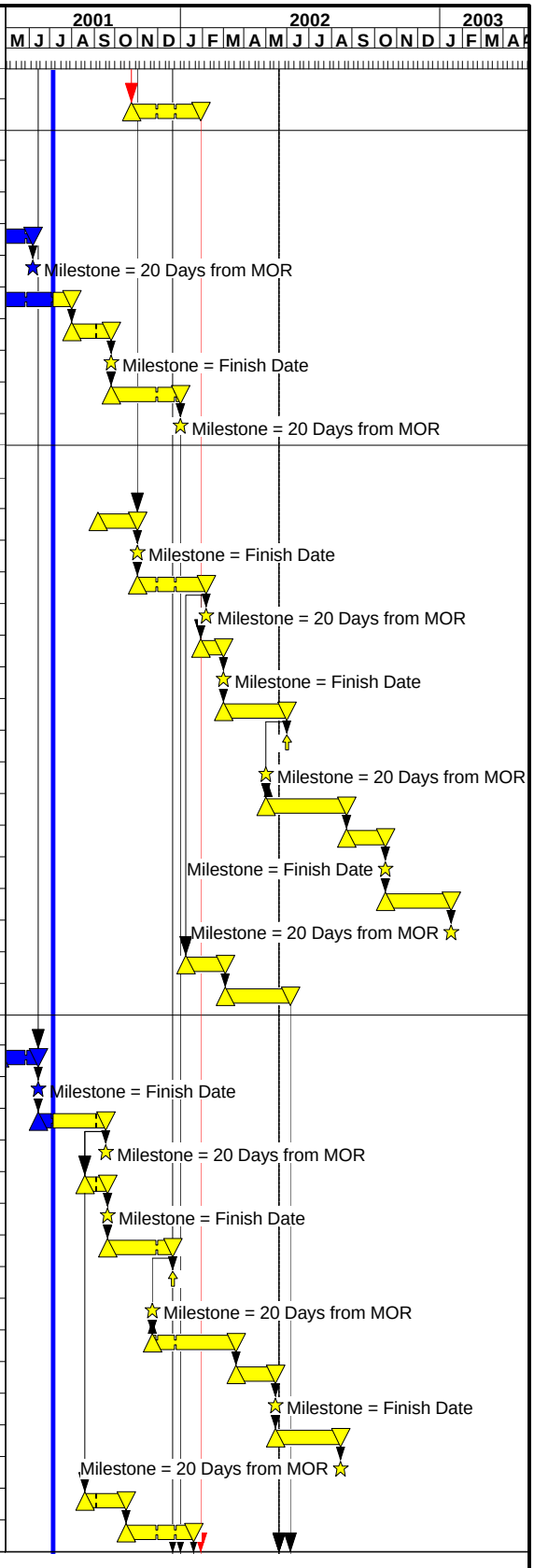

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Figure 7. Combined Schedule for Impact Area Groundwater Study Prgrm. as of 7/5/01

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Date	Revision	Checked	Approved

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
SE Corner of Ranges					
23110	FS Screening Report Preparation		40	26MAR02	20MAY02
23120	Draft FS Screening Report	YES	0		20MAY02
23130	Revise Draft FS Screening Report		60	21MAY02	12AUG02
23140	Final FS Screening Report	YES	0		12AUG02
23150	Post-Screening Invest. Workplan Prep.		22	06AUG02	04SEP02
23160	Draft Post-Screening Invest. Workplan	YES	0		04SEP02
23170	Revise Draft PSI Workplan		60	05SEP02	27NOV02
23180	Final Post-Screening Workplan		0		27NOV02
23190	Start Post-Screening Investigation	YES	0	21NOV02	
23200	Post-Screening Investigation		80	21NOV02	12MAR03
23210	FS Preparation		40	13MAR03	07MAY03
23220	Draft FS	YES	0		07MAY03
23230	Revise Draft FS		60	08MAY03	30JUL03
23240	Final FS	YES	0		30JUL03
23250	(Draft FS if no PSI)		40	16JUL02	09SEP02
23260	(Final FS if no PSI)		65	10SEP02	09DEC02
UXO					
HUTA1 Operable Unit					
24150	FS Preparation		40	23OCT01	19DEC01
24160	Draft FS	YES	0		19DEC01
24170	Revise Draft FS		65	20DEC01	22MAR02
24180	Final FS	YES	0		22MAR02
Remedy Selection (AO3)					
Demo Area 1					
Soil Operable Unit (if no PSI)					
31110	Prepare Draft Remedy Selection Plan		40	30NOV01	28JAN02
31120	Revise Draft Remedy Selection Plan		65	29JAN02	29APR02
31130	Remedy Selection Plan		0		29APR02
31140	Public Comment Period		21	30APR02	28MAY02
31150	Draft Decision Doc/ Response		44	29MAY02	29JUL02
31160	Revise Draft DD/RS		65	30JUL02	28OCT02
31170	Final Decision Doc/ Response		0		28OCT02
Groundwater Operable Unit					
31510	Prepare Draft Remedy Selection Plan		40	31OCT01	31DEC01
31520	Revise Draft Remedy Selection Plan		65	01JAN02	01APR02
31530	Remedy Selection Plan		0		01APR02
31540	Public Comment Period		21	02APR02	30APR02
31550	Draft Decision Doc/ Response		44	01MAY02	01JUL02
31560	Revise Draft DD/RS		65	02JUL02	30SEP02
31570	Final Decision Doc/ Response		0		30SEP02
Central Impact Area					
Soil Operable Unit (if no PSI)					
32110	Prepare Draft Remedy Selection Plan		40	10APR02	04JUN02
32120	Revise Draft Remedy Selection Plan		65	05JUN02	03SEP02
32130	Remedy Selection Plan		0		03SEP02
32140	Public Comment Period		21	04SEP02	02OCT02

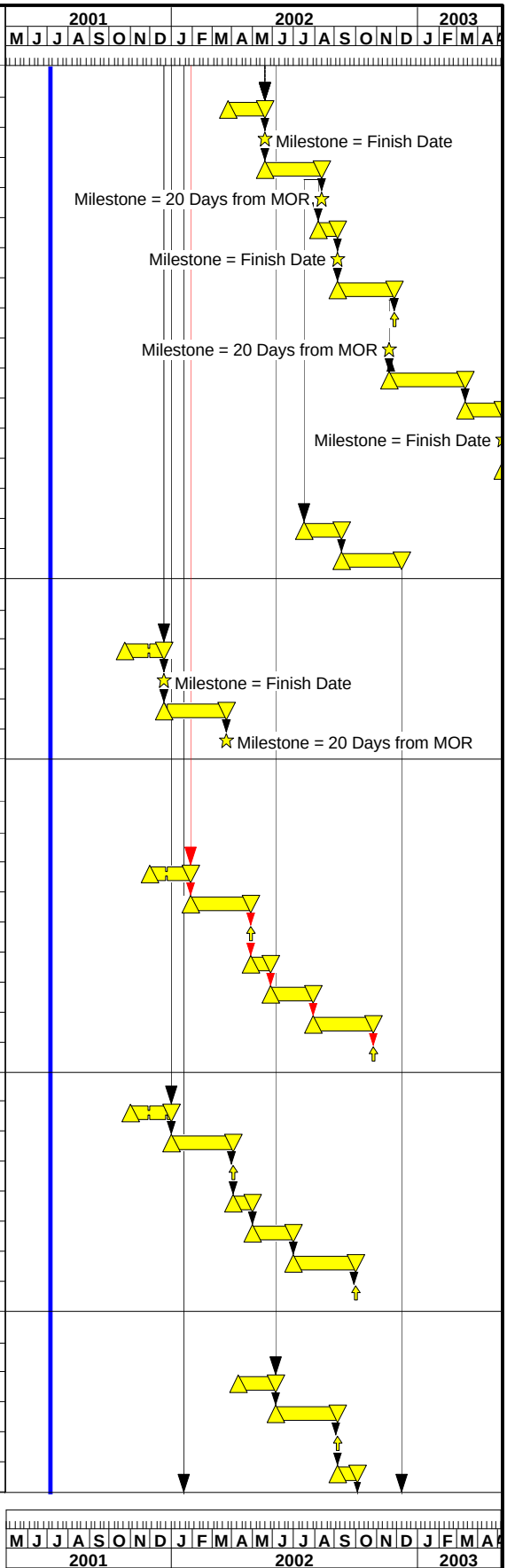

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Figure 7. Combined Schedule for Impact Area Groundwater Study Prgrm. as of 7/5/01

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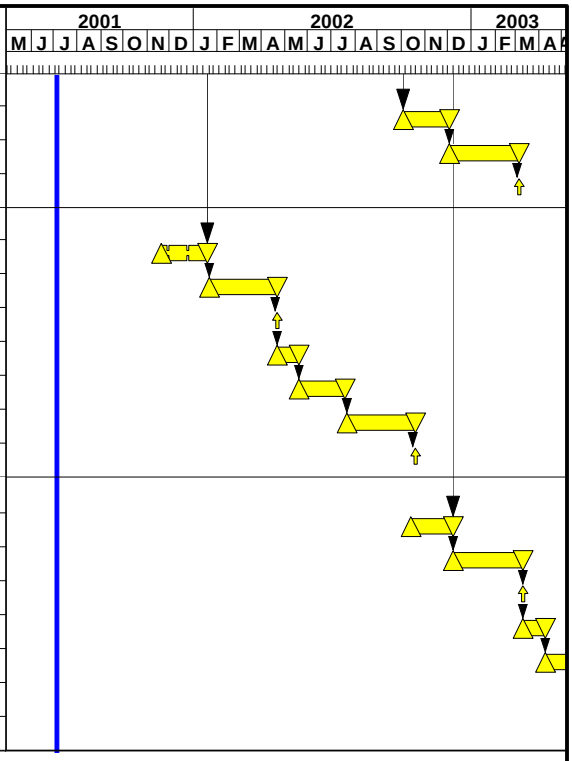
Date	Revision	Checked	Approved

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Soil Operable Unit (if no PSI)					
32150	Draft Decision Doc/ Response		44	03OCT02	03DEC02
32160	Revise Draft DD/RS		65	04DEC02	04MAR03
32170	Final Decision Doc/ Response		0		04MAR03
Groundwater Operable Unit (if no PSI)					
32510	Prepare Draft Remedy Selection Plan		40	20NOV01	18JAN02
32520	Revise Draft Remedy Selection Plan		65	21JAN02	19APR02
32530	Remedy Selection Plan		0		19APR02
32540	Public Comment Period		21	22APR02	20MAY02
32550	Draft Decision Doc/ Response		44	21MAY02	19JUL02
32560	Revise Draft DD/RS		65	22JUL02	18OCT02
32570	Final Decision Doc/ Response		0		18OCT02
SE Corner of Ranges (if no PSI)					
33110	Prepare Draft Remedy Selection Plan		40	15OCT02	09DEC02
33120	Revise Draft Remedy Selection Plan		65	10DEC02	10MAR03
33130	Remedy Selection Plan		0		10MAR03
33140	Public Comment Period		21	11MAR03	08APR03
33150	Draft Decision Doc/ Response		44	09APR03	09JUN03
33160	Revise Draft DD/RS		65	10JUN03	08SEP03
33170	Final Decision Doc/ Response		0		08SEP03



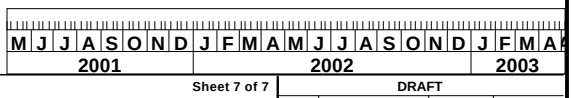


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Figure 7. Combined Schedule for Impact Area Groundwater Study Prgrm. as of 7/5/01

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