MONTHLY PROGRESS REPORT #68
FOR NOVEMBER 2002

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 November 1 to November 30, 2002. Scheduled actions are for the six-week period ending January 10, 2003.

1. SUMMARY OF ACTIONS TAKEN

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

Table 1. Drilling progress as of November 2002

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-245	J-1 Range (J1P-17)	319	195	244-254; 122-132
MW-246	J-3 Range (J3P-20)	255	192	95-105; 178-188
MW-247	J-3 Range (J3P-22)	224	200	180-190; 125-135; 95-105
MW-248	Demo Area 1 (D1P-16)	280	167	143-153; 178-188; 218-228
MW-249	Central Impact Area (CIAP-14)	300	159	
MW-250	J-3 Range (J3P-19)	214	201	

bgs = below ground surface
bwt = below water table

Completed well installation of MW-245 (J1P-17), MW-246 (J3P-20), MW-247 (J3P-22), MW-248 (D1P-16), completed drilling of MW-249 (CIAP-14) and MW-250 (J3P-19). Well development continued for newly installed wells.

Samples collected during the reporting period are summarized in Table 2. Groundwater profile samples were collected from MW-246, MW-247, MW-248, MW-249, and MW-250. Groundwater samples were collected from Bourne supply and monitoring wells, and from recently installed wells. The October Quarterly Long Term Groundwater monitoring round was completed in early November and the December Long Term Groundwater monitoring round commenced in mid-November. Water samples were collected from the GAC treatment system.

Pre-detonation and post-detonation soil samples were collected from the J-1 Range. Soil samples were collected from the J-3 Range as part of white phosphorus sampling and from Demo Area 1 as part of the Ecological Risk Characterization and Supplemental Post-Screening Investigation.

As part of the Munitions Survey Project, soil samples were collected from the J-2 Range anomaly excavations. Pre-detonation and post-detonation soil samples were collected from the J-2 Range and Succonsette Pond.

The following are the notes from the November 11, 2002 Technical Team meeting at the IAGWSPO:

Punchlist Items

#2 Provide update for sampling/reporting Perchlorate for Sandwich Water District (EPA/MADEP). Todd Borci (EPA) indicated two possible options for completing the sampling would be discussed with Ben Gregson (IAGWSPO) next week.

#4 Determine status of sampling the Gallo Skating Rink well (Guard). D.L. Maher to provide cost estimate for repairing pump today.

#7 Provide results of sampling old USGS wells located near ocean downgradient of the Monument Beach Well Field (Corps). Data has been received. All samples were non detect for perchlorate. These results will be included in the Bourne update on 11/11.

#10 Provide narrative summary of PLM at J-1 range MW-187 (Corps). Provided via email 10/25.

#11 Provide summary of all wells proposed versus completed (Corps). Table summary provided last week.

#12 Provide evaluation for pumping at MW-80M1 for Pilot test (Corps). Evaluation is on-going.

#13 Provide results of sampling of CS-8 wells (Jacobs Engineering). Larry Pannell provided a review of the most recent VOC sampling results for CS-8 wells:

- 84MW0004, 84MW0005, downgradient of the transmitter station, were non detect for VOCs.
- LRW0003 had a TCE detection (0.73 ug/L); the previous result was 1.21 ug/L.
- MW-18M1 had a TCE detection (4.55 ug/L); the previous result was 4.46 ug/L.

#14 Provide verification of results for MW-16 that were provided in the IART Tables (AMEC). An explanation of the results was provided in a 10/29 email.

#15 Provide data validation summary for metals and SVOCs at MW-188 and MW-215 (Corps). Some results have been forwarded. The remaining results are expected in December.

MSP3 and Southeast Ranges Update

Rob Foti (Corps) provided an update on the MSP3 tasks.

J-2 Range Polygons. Crews are working on Polygon 2R. Investigation of 18 polygons has been completed, 2 (2B and 2E) need to be revisited, 4 additional still need to be investigated. An updated list of findings was distributed.

Ponds. Succonsette Pond anomaly excavations were completed. Dr. Sue Goodfellow (E&RC) reviewed work practices and was given sifted soil from select anomaly excavations for cultural resources evaluation. Karen Wilson (IAGWSPO) to revisit the site relative to restoration activities. The crews identified three items that need to be BIPed and one item for transport to the SHA. A list of findings was distributed with a map showing the locations of the anomalies with circles around anomalies denoting where the soil had been collected, sifted and bagged. The 10/29 water level in the pond was also indicated on the map. In the list of findings, the date for Anomaly 8 should be 11/04/02 or 11/05/02.

- Anomaly excavation of Deep Bottom Pond began today. A map was distributed showing the anomalies, with circles indicating those anomalies where soil would be sifted.
- A response was received from the Conservation Commission via email regarding the one anomaly at Grassy Pond. The investigation of the anomaly at Grassy Pond is approved to proceed, contingent upon certain conditions being met. Investigation of Grassy Pond may begin next week.

SCAR Site. Dr. Goodfellow provided approval to backfill all excavations exclusive of the BIP excavations. The final list of findings was distributed.

U Range. Grubbing is complete. Surface clearance will be completed by the beginning of next week. Approximately 1/3 of the geophysical survey has been completed. Investigation of the four grids being set up for documenting the orientation and declination of rockets should begin tomorrow, 11/8. An updated table of findings from north of the berm was distributed.
Drilling/Sampling. – Well screens are being set at J3P-20 (MW-246). This rig to move to CIAP-14 next. Drilling is being conducted at J3P-22 (MW-247) and will likely be completed today. This borehole had been drilled to its original scoped total depth, profile results for the borehole were reviewed and it was decided to drill 50 feet deeper. ROA approval for J3P-26, the geoprobe well near Snake Pond, was received and drilling of this well is scheduled for the week of November 28. Notification of this work has been provided to the Community Involvement group who will coordinate with the Town of Sandwich. Dr. Goodfellow and the owners of the property needed for access to the drilling location require 48 hours notification. An internal meeting will be held to discuss photographing the drilling location before, during and after well installation; erosion control measures; and site maintenance and security issues.
Rob Foti will conduct a site walk with Ms. Wilson, Dr. Goodfellow and AMEC to locate a proposed contingency well (J2P-17) to be placed downgradient of Polygon 2 on J-2 Range. Todd Borci (EPA) indicated that the general location for the well as shown on the figure provided by Heather Sullivan was good. Mark Panni (MADEP) also approved the general location.
UXO – Clearance is being conducted at the J1P-18 pad and access road. The clearance is proceeding slowly due to the amount of OE frag.

Bourne Update

Bill Gallagher (IAGWSPO) summarized recent Bourne-related activities.

- Weekly and monthly sampling of Bourne monitoring and supply wells continues. Recent sampling results are as follows: 4th detection of perchlorate in WS-3 (0.44 ug/L); first time detect of perchlorate in 1-88B and 01-2. First sampling event and detection of perchlorate in 00-1.
- Regarding the S interval (183 ft bwt) profile result for MW-219; a non-detect reported for this interval was overturned in validation to 0.49 ug/L. However, this result is still being evaluated as a potential false positive. The MW-219M1 screen was set at 170-180 ft bwt. At the BWD's request, the pump in this well was lowered to the bottom of the screen (to be closer to the profile detect at 183 ft bwt) and another groundwater sample collected. Results for this sample are pending.
- The Guard has agreed to proceed with the installation of WS4P-4 upgradient of WS-4. WS4P-3 is a contingency well. As part of the ROA process, an archeological survey will need to be completed of this area. A site walk has been proposed with AMEC and Karen Wilson to investigate this area to find the least destructive pathway for the well to installed. Leo Yuskus (Haley and Ward) to be contacted to see if he would like to participate.
- AFCEE has agreed to provide the funding to install WS4P-5 and WS4P-6 (a new well location); the well installation will be contracted by BWD to AMEC to ensure that the IAGWSP procedures for profiling and well installation are followed. An archeological survey will also be needed for these wells; completion of this survey will likely dictate the installation schedule. Gina Kaso (ACE) to contact Mike Minior to check if WS4P-6 is a contingency well.
- A new map of the WS-4 area will be produced to show all proposed monitoring wells upgradient of WS-4.
- The Bourne Perchlorate Response Plan is under internal review for submittal to the agencies on 11/13.

Scrap Update

Todd Borci (EPA) inquired about the status of the email the Corps had been asked to provide to summarize the agreements made during the October 28 Scrap Contract meeting. In addition to a summary, the email was to outline steps the Corps would take to address accumulating surface water run-off from the Containment Pad.

- John MacPherson (ACE) explained that a summary email had been sent after the meeting and a plan for addressing the run-off issue could be sent out by the end of the day Friday, 11/8. Mr. Borci to check for this e-mail. The Corps was still in the process of collecting information on whether the Waste Water Treatment Plant could adequately treat the approximate 100,000 gallons of RDX and HMX contaminated water in their activated sludge process. The necessity of pre-treatment with GAC was being evaluated. The Corps was also addressing other issues:
  - Re-analysis of the run-off water for explosives using the 8321 method. Interferent compounds were affecting the 8330 analysis and the results could not be adequately validated.
  - The source of the contamination, whether in the pads or the sumps, was being evaluated. As part of this evaluation, the sumps were filled with water, drained and then this water was sampled. RDX was not detected in the samples.
  - Mr. MacPherson questioned why, if pre-treated with GAC and supported by analytical confirmation that there were no explosives, the wastewater could not be discharged to the ground instead of transported to the WWTP, since this practice had been approved for the soil washing operation. Todd Borci to review this issue internally, particularly to determine if the treated surface water-runoff from the Scrap Yard Pad would be classified as RCRA hazardous waste or investigation-derived waste.
  - One sample of run-off in a non-work area at the north end of the pad east of the trailer was collected, as requested by EPA. Results for this sample are pending.
  - Todd Borci clarified since a Scrap Yard Work Plan had not been submitted, the Guard was in violation of the Administrative Orders, and a potential penalty accrues for each day the work plan is overdue. MAJ Myer (IAGWSPO) responded that the Scrap Yard Plan submittal date remained to be determined.

Demo Area 1 D1P-19

Heather Sullivan (ACE) presented the Guard's proposal to install D1P-19 to delineate the northern Demo 1 Area plume boundary.

- The Guard is proposing that monitor well D1P-19 be installed to the north of MW-32 to provide a northern boundary to the Demo Area 1 perchlorate plume near its midpoint. The well is proposed for a cleared area associated with GP-15 and is upgradient of the area currently being considered for the infiltration gallery of the proposed groundwater treatment system. An adjacent well, MW-20, which has never been sampled for perchlorate, is too shallow to merit sampling for this purpose.
- An ROA for this location was submitted to Karen Wilson late yesterday, 11/07. Ms. Wilson indicated there are archeological issues associated with this area due to its proximity to another site. Dr. Goodfellow will need to provide documentation with the ROA that this will not be an issue in the well installation.
- Mark Panni and Todd Borci provided verbal approval for the well location.

IART Agenda

Tina Dolen (IAGWSPO) led a discussion regarding the December 10 IART Agenda.

- Dave Williams (MDPH) indicated MDPH was not prepared to provide a presentation for the IART as currently listed on the schedule. As a substitution, all parties agreed the ASR interview summaries would be added as a topic.

- Currently the interview summaries are scheduled to be discussed after the 11/14 Tech meeting. EPA/MADEP will attempt to provide written comments ahead of this meeting to facilitate the revision of the summaries in time for the 11/25 IART mailing.
- The agenda for future IART meetings will include the Demo Area 1 (January and February 03) and Fate and Transport (March 03).
- Open discussion for the 12/10 meeting will include EPA's Response to Secure DoD's Commitment to "Make the Cape Whole" and the Demo Area 1 Schedule. The Fact Sheet on RRA/RAM Plan at Demo 1 Area may be available for this IART. The IART team to be notified that January kicks off the comment period for the RRA/RAM plan.

Snake Pond Perchlorate

Heather Sullivan (AMEC) reviewed recent unvalidated detections of perchlorate in surface water at Snake Pond.

- The 08/28/02 sample at the Camp GoodNews beach surface water sampling location (LKSNK006) had a perchlorate detection of 0.89 ug/L. The 09/11/02 sample was non detect. The 08/28/02 sample from Drive Point (90SNP0002) near the beach also had a perchlorate detect of 0.75 ug/L.
- The STL Savannah lab is reanalyzing these samples and the data is pending validation.
- Todd Borci requested that the data validation be expedited for these samples. Mr. Borci noted he purposefully reserved comment on the supplemental LTGM for sampling in this area of groundwater monitoring and will review the monitoring approach for this area pending resolution of this data. Mr. Borci further indicated he would wait on the Guard's recommendation prior to comment.

Documents and Schedules

Marc Grant (AMEC) led a discussion of document priorities, distributing a six-page handout addressing schedule deadlines and issues.

The following corrections to the scheduling issues summary were provided: MOR disapproval was received from EPA on the MSP2 ASP Letter Report MOR. Comments have been received from EPA for the LTGM Supplement for December 2002.

HUTA2 Transect Reports MOR. 1st priority. Submitted 10/22. Waiting on EPA/MADEP comment/approval.

Demo 1 Soil Report MOR. 2nd priority. Waiting on DEP approval. Len Pinaud to provide letter by end of the day Friday, 11/8.

UXO Interim Screening Report MOR. 3rd priority. Waiting EPA approval.

LTGM Supplemental for Dec 2002. 4th priority. Waiting on DEP comments.

Central Impact Area Aquifer Test Summary Report. 5th priority. Waiting on EPA comments.

Small Arms Ranges Report. 6th priority. Waiting on DEP comments.

MSP3 Gun and Mortar Workplan. Desiree Moyer still needs to check if resolution meeting or RCL response is next step.

Groundwater Background Report. Don Wood (ACE) to check with USGS on their review and analysis of data for this report. Currently the IAGWSP is proceeding with RRAs and FS documents based on assumptions made for the individual Operable Units. The concern for the background groundwater data is that background concentrations may have been established based on data that was collected to close to potential source areas. This is problematic because the base is located at the top of the groundwater mound, and therefore, technically, there is no upgradient "background" groundwater at Camp Edwards. Groundwater data for establishment of background conditions was gathered from areas assessed not to be impacted by base activities.

Soil Background Report. The Guard is prepared to recalculate soil background concentrations for Camp Edwards based on EPA comments, if that is the way EPA recommends the Guard to proceed. Todd Borci to review this issue with the EPA group in Cincinnati.
Method Comparability Study. MADEP/EPA to provide this study to QA/QC and lab groups for review and comment.
Regarding AMEC's 10/31 letter defining the Central Impact Area Soil OU boundary, Heather Sullivan will provide clarification for Len Pinuad's benefit that RTNs in the proposed Soil OU boundary will be addressed in the Central Impact Area OU, while those falling outside the boundary will be addressed separately.

Miscellaneous

- Monthly BIP Summary table distributed at Tech meeting.
- Len Pinaud requested that Dr. Susan Goodfellow provide information on the progress of her pursuit of a programmatic agreement with SHPO to approve ROAs. Additional information was also requested on why ROAs were required for current Demo 1 Soil and Eco fieldwork, when investigations have been approved and conducted in this disturbed area in the past.

The following are the notes from the November 14, 2002 Technical Team meeting at the IAGWSPO:

Punchlist Items

#3 Determine status of sampling the Gallo Skating Rink well (Guard). D.L. Maher indicates it will cost $1755 to obtain a sample from the skating rink well. The Guard is considering their proposal.

#12 Determine if WS4P-6 is a contingency well (Corps). AFCEE funding was provided for two monitoring wells. Gina Kaso (ACE) reported Mike Minior (AFCEE) requested a map of the proposed locations to determine if this was one of the two wells that AFCEE agreed to fund.

#14 Provide a map of proposed wells upgradient of WS-4 (Corps). A map of proposed locations (P-3 through P-7) was distributed. There is still discussion related to WS4P-7, regarding the Guard's responsibility to install this well. The Guard is assuming responsibility for P-3, P-4. AFCEE is assuming responsibility for P-5, P-6. Leo Yuskus (Haley and Ward) had claimed P-7 was a location requested by DEP Water Supply.

#15 Consider if GAC-treated surface water run-off from the Scrap Yard can be discharged to the ground surface (EPA). EPA is still considering.

#17 Provide expedited data of Snake Pond samples (Corps). Validated results are expected early next week.

ASR Monthly Update

Carla Buriks provided a summary of ASR activities completed In October, except for the witness interviews, which were discussed in an after meeting. A one-page summary update was distributed.

- The Draft ASR GIS Data Archive and a response to comments letter was submitted to the Guard and Corps on 11/01 for internal review.
- Additional information including a supplemental 104(e) response from Atlantic Research Corporation and additional historical and aerial photographs are being added to the archive.
- The Draft ASR GIS Data Archive will be submitted to the agencies on 12/16.
- A table to track information requests versus responses, as requested by EPA, will be completed shortly.

MSP3 and Southeast Ranges Update

Rob Foti (Corps) provided an update on the MSP3 tasks.

J-2 Range Polygons. Crews continue to work on Polygon 2R. An update of findings is being provided daily. An updated list of findings was distributed at the meeting.

Ponds. Excavation of anomalies at Deep Bottom Pond were completed on Tuesday 11/12. Karen Wilson (IAGWSPO) and Dr. Sue Goodfellow (E&RC) approved the restoration activities. A table of findings and a map were distributed. The depth to water is up to 6 or 8 feet deep in some portions of the pond.

- Succonsette Pond anomaly excavations were completed. Ms. Wilson will revisit the site to review restoration activities. A table of findings and a map was distributed. The depth to water in the pond is approximately 6 inches.
- The excavation of a single anomaly in Grassy Pond is pending the submission of a write-up to the Sandwich Conservation Commission, one of the commission's three requirements. This write-up has been provided to Ms. Wilson for review and will be sent to the commission by next week. A map of the pond with anomaly notated was distributed.
- Don Wood (ACE) indicated the Pond investigations and findings would be documented in a letter report. Len Pinaud (MADEP) requested the Guard consider investigation of the anomalies in Succonsette Pond. Todd Borci suggested the Guard recommend in the letter report that the remaining anomalies in Succonsette Pond be excavated based on the three items found on the shoreline which were BIPed.

U Range. The geophysical survey is continuing. Investigation of the four grids for documenting the orientation and declination of rockets was completed. The results of this exercise were disturbed and showed no discernible pattern to the rocket orientation.

BIPs. Blow-in-place was completed for five items found at Succonsette Pond (3 items), J-2 Range (1 item) and the J1P-18 Pad (1 item) as follows:

2 – 2.36-inch HEAT Rocket, M6 Series with M400 BD Fuze
1 – 37MM TP Projectile, MKII with M38 Series BD Fuze.
1 – 105MM HE Projectile, M107 with M51 Series PD Fuze.
1 – 105MM HE Projectile, M1 with unknown fuze.

Drilling/Sampling. – Well screens are being set at J3P-22 (MW-247). This rig to move to J3P-19 at Camp GoodNews next. MW-246 (J3P-20) is being developed. UXO clearance at the J1P-18 pad and the access road is going slowly due to frag. A walk-thru of J2P-17 is scheduled for noon. Drilling at the J3P-26, Snake Pond spit location has been rescheduled to begin 12/02 in consideration of the property owners and to avoid security issues that would result from leaving the drill rig unattended over the long Thanksgiving holiday.

Bourne Update

Bill Gallagher (IAGWSPO) summarized recent Bourne-related activities.

- Weekly and monthly sampling of Bourne monitoring and supply wells continues with no new significant results.
- Regarding the status of the MW-219M1 resampling, the S interval (183 ft bwt) profile validated result was reviewed and revalidated as non detect. A Corrective Action Report has been prepared to support this decision. At the BWD's request, the pump in this well (screened from 170-180 feet bwt) was lowered to the bottom of the screen (to be closer to the profile detect at 183 ft bwt) and another groundwater sample collected. Results for this sample were non detect for perchlorate.
- The Guard has agreed to proceed with the installation of WS4P-4, upgradient of WS-4. WS4P-3 is a contingency well. As part of the ROA process, an archeological survey was originally requested for this area. The Corps has devised a method to build the well access road with wood chips, sand, fabric, and other construction materials that Dr. Goodfellow has indicated will alleviate the requirement for a survey. Therefore, the ROAs for both WS4P-4 and WSP4P-3 will be redone specifying this requirement. Of any of the proposed locations, access to WS4P-4 appears to be the most difficult; therefore if the road can be completed as designed for this location, a similar road should be able to be constructed for the other proposed locations. To date this approach has only been approved for the WS4P-4 and P-3 locations.
- The Bourne Water District and Haley and Ward would like to have the upgradient groundwater quality information for WS-4 by March '03, so that WS-4 can be placed on line by Spring '03. The Guard should be able to meet that schedule for the P-4 and P-3 wells. These wells are scoped to be completed with 10-foot screens at the intervals of profile detections. If there are no detections, the Guard will consult with the BWD on the depth of screens, but the screen length will be 10 feet.
- Although the process of well installation will be the same for AFCEE-funded P-5 and P-6 wells, Haley and Ward have indicated they are considering the installation of 20 to 40 ft screens. The Guard has indicated their preference for 10-foot screens to the BWD.
- The Bourne Perchlorate Response Plan is being revised for submittal to the agencies on 11/18.
- Regarding source evaluation, sampling at gun and mortar firing positions is being proposed in the Response Plan. ECC is also putting together a separate, phased scope of work under the MSP program to look for sources in an area west of Range Control. This workplan to be submitted in 2003.

Scrap Update

Gina Kaso (ACE) provided an update on issues regarding the Scrap Yard.

- Information that EPA/MADEP requested at the 11/7 Tech meeting was forwarded via email. The agency chemists are reviewing the data.
- The Corps is evaluating the cost for two options to address the water collected from the Scrap Yard pad before the last steam cleaning. One option is treatment with GAC and disposal at the MMR WWTP. The second option is disposing of the wastewater at an off-site facility. The Corps intends to provide for the agencies review the overall costs of both options and notification of which option was selected for disposal of the wastewater.
- Todd Borci indicated Ben Gregson (IAGWPSO) had agreed to provide the EPA with the complete cost information and option selected by the Corps, followed by additional discussion of the preferred option, if needed.

Miscellaneous

- LTC FitzPatrick (E&RC) summarized the status of the programmatic agreement for ROA review and approval being pursued by Dr. Sue Goodfellow. A written update composed by Dr. Goodfellow was also distributed. The programmatic agreement to address all Guard sites in Massachusetts has been drafted and is undergoing legal review at the National Guard Bureau. An informal copy was provided to SHPO and the tribe. The SHPO office indicated they did not have the time to preview the document prior to the formal submittal because of staff limitations. Todd Borci expressed concern about possible issues with the agreement because of its statewide implications. Mr. Borci requested the Guard consider an MMR-specific agreement if issues not applicable to MMR delayed approval of the agreement.
- Len Pinaud (MADEP) requested further discussion after the Tech meeting on an IART Action Item and the Army Audit information as emailed by Joel Feigenbaum.
- Mr. Pinaud also inquired if the Corps/Guard was aware of the synoptic water level round that was to be conducted at AFCEE's FS-12 site. Heather Sullivan (ACE) responded that the Corps was aware of this activity and was planning to complete a concurrent water level survey of select Southeast Ranges wells.
- Rob Foti (ACE) indicated drilling of D1P-16 in the Demo 1 Area is progressing slowly due to silt layers.

The following are the notes from the November 21, 2002 Technical Team meeting at the IAGWSPO:

Punchlist Items

#3 Determine status of sampling the Gallo Skating Rink well (Guard). The Guard is interested in sampling the well, but is seeking a second cost estimate.

#5 Provide validated data for MW-188, MW-187 and MW-215 (Corps). Additional unvalidated data was emailed. Validated data still pending.

#6 Determine if WS4P-6 is a contingency well (Guard). Mike Minior (AFCEE) to discuss with Leo Yuskus especially relative to MW-219 results. Ben Gregson (IAGWSPO) to follow up with Mr. Minior.

#8 Consider if GAC-treated surface water run-off from the Scrap Yard can be discharged to the ground surface (EPA). This option was not included in the proposal to EPA from the Guard.

#10 Provide expedited data of Snake Pond samples (Corps). Reanalysis results of samples were non detect. Therefore, results will be validated as non detect. Heather Sullivan (ACE) to provide email explanation of laboratory issues that resulted in the false positive and subsequent non detect on reanalysis.

#12 Provide option and costs for treatment disposal of Scrap Yard run-off water (Corps). Information to be provided in a couple days. Samples of water run-off collected recently were non detect for explosives; the Guard would like the agencies approval to discharge. Ben Gregson to forward email to EPA/MADEP describing samples and results.

#13 MAARNG to consider a separate SHPO agreement for MMR if agreement for a statewide agreement stalls (E&RC). LTC FitzPatrick (E&RC) indicated to Ed Wise (ACE) that the agreement is progressing as expected and no issues are currently anticipated. However, the E&RC has noted the EPA's request.

MSP3 and Southeast Ranges Update

Rob Foti (Corps) provided an update on the MSP3 tasks.

J-2 Range Polygons. Crews completed Polygon 2R and moved on to excavations at 2N, 2O, and 2P. Minor items were uncovered in 2N and 2O, with the anomaly in 2O being largely attributed to the casing of a well located in that sub area. Polygon 2P is being worked on today and appears to have been a burn pit. An updated list of findings was distributed at the meeting. A second crew is expected to begin excavation at Polygon 1 by early next week.

Ponds. Excavation of the anomaly at Grassy Pond was approved and completed on Wednesday 11/20. Communication wire was pulled from the location. A weak signal still remains. Based on the intensity of the signal, the Corps believes this represents an additional length of wire. Todd Borci (EPA) concurred with the Corps' recommendation to discontinue further excavation of this anomaly.

U Range. The geophysical survey for the north side of the berm has been completed. Two thirds of the grids have been surface cleared on the south side. Over 1000 3.5-inch rockets, some with suspect fuzes have been recovered. A table listing the total findings will be available by the 12/05 Tech meeting. Meeting/conference call (12/4 or 12/5) to be arranged to discuss potential picks at the berm; email will be sent to confirm date and time. Once the surface clearance on the south side of the berm is completed, a Schonstedt survey and/or EM61 "meandering path" survey will be conducted for this area.

Controlled Detonation Chamber. The CDC is expected to arrive today, with the destruction of accumulated UXO to begin the week of 12/2. At the EPA's request, Ed Wise (ACE) to discuss with Frank Fedele (ACE) the possibility of extending the time for the CDC to be on site, so that the entire backlog of munitions can be disposed.

Drilling/Sampling. - Drilling currently being conducted at J3P-19 in Camp GoodNews. MW-247 (J3P-22) is being developed.

- Jane Dolan (EPA) requested that the J-2 Polygon Report be prepared exclusive of the results for Polygons 1 & 2 to expedite the submittal ahead of the current schedule. Dave Hill (IAGWSPO) indicated this would be considered, particularly if the volume of data dictated the need for two reports. Gina Kaso (ACE) is evaluating the cost of preparing two separate reports for the J-2 Range Polygons.

Record Of Action Update

Heather Sullivan (ACE) discussed the status of ROAs for upcoming field activities. A one-page drilling schedule and three-page ROA Status table were distributed.

- The following changes should be noted in the drilling: J1P-16 may be delayed. The WS4P-4 may move up in the schedule if the SHPO accepts the Guard's proposal to install a road without disturbing the ground surface instead of completing an archeological survey.
- The following changes should be noted for the ROA table: ROAs have been submitted for all the Demo 2 wells. The ROA approval was received for proposed well KP-2.
- The delay for J1P-16 is the result of confusion over the drilling location as staked in the field. The initial location for J1P-16 was moved to preserve habitat. However, in the process of clearing a path to J1P-18 from J1P-17 to avoid disturbing the submunitions, the UXO clearance crews ran across the original staked location for J1P-16, which they mistook for the approved location. Therefore, the crews proceeded to brush cut to make a drill rig accessible path from J1P-18 to the original J1P-16 location and for the well pad before the error was discovered; UXO clearance was not completed. Because the brush cutting has already been completed inadvertently for this original J1P-16 location, the Guard is resubmitting an ROA for this original location to supercede the ROA for the approved location, to avoid further habitat destruction.

- Referring to the ROA Status table, Len Pinaud (MADEP) asked why ROAs needed to be submitted for soil sampling in the Demo 1 Area, when sampling has being completed in this area previously. Karen Wilson (IAGWSPO) explained the grids proposed for sampling were outside areas previously sampled and outside of the kettle hole area.
- Mr. Pinaud suggested that the preparation of the ROAs needed for the Soil RAM at Demo 1 should be started soon to avoid schedule delays. Ms. Wilson indicated the areas still needed to be defined. Todd Borci stated that EPA is not in agreement with the Guard's most recent proposal, and that this issue must be resolved soon. Ms. Wilson concluded separate ROA(s) could then be submitted for refinement or expansion of the excavation boundaries.

MW-219 Corrective Action Report

Len Pinaud had several questions/comments on the Corrective Action Report for the detection of perchlorate at the S interval in profile samples from MW-219.

- Jeff Rose (MADEP Water Supply) relayed to Mr. Pinaud he felt all analyses completed on the suspect instrument at Ceimic Labs were now suspect. Marc Grant (AMEC) explained in the past, samples with detected compounds were run a 2nd time to confirm the result.
- Mr. Pinaud further inquired how resampling of the well screen 10 feet above the profile detection had any bearing on the concentration of perchlorate in the S interval. Bill Gallagher (IAGWSPO) explained the pump was lowered to the bottom of the well screen and that depth was only 3 feet above the S interval where the profile sample with the detection was collected.
- Mr. Pinaud inquired why the non-detect result was first reported and then reversed. Marie Wojtas (AMEC) explained the laboratory noted a detection in the first analysis run and then a non detect in the second run and concluded that the first result was a false positive based on their experience with the instrument. The data validators reviewed both results and selected the first result as valid. Upon discussion with the laboratory and subsequent closer scrutiny of the instrument QA/QC results, the validators accepted non detect as the valid result.
- Mr. Pinaud indicated he would pose these questions in an email. The Corps agreed to respond with a more detailed written explanation.
- To Jane Dolan's inquiry regarding the differences between the Metrohm and Dionex ion chromatographs, Marc Grant (AMEC) explained the Dionex instrument has been used longer for perchlorate analysis. The Metrohm instrument, which has a different type of column, was being used on a trial basis under the assumption that it would perform better than the Dionex. After extended use, the laboratory started noticing problems with the instrument's performance at the low-level detection limits and has since sent the instrument back to the vendor, replacing it with another Dionex instrument.

Bourne Update

Bill Gallagher (IAGWSPO) summarized recent Bourne-related activities.

- Sampling of Bourne monitoring and supply wells continues with no new significant results.
- The ROA for WS4P-4 is scheduled to be submitted in a couple days with the specification that experimental road building will be used so that the ground surface will not be disturbed and therefore an archeological survey will not be required. This technique is being evaluated on a trial basis for use at the other WS4P drilling locations.
- The Draft Bourne Response Plan was submitted on 11/18/02.
- Pilot testing of perchlorate treatment technologies will be performed under the ITE Program. An RFP has been forwarded to AMEC. Currently, the most appropriate well on which to perform a mini-test is being evaluated.

- The Guard feels the best time for a meeting would be after results are obtained from the mini-test. Mr. Pinaud suggested an email update could be forwarded to keep everyone informed until the advent of the meeting.
- The Guard will propose postponing the bimonthly meeting with Bourne Water District to the first week of December.
- An updated site-wide perchlorate map depicting the concentrations of perchlorate in all wells relative to the MMR Relevant Standard of 1.5 ug/L is available on a first come, first serve basis. The map also indicates the wells for which the data is still outstanding. Mr. Gallagher proposed to hold the Site-Wide Perchlorate Characterization Report off until the next set of analytical data are received for the outstanding first-time sampled wells. The current submittal date is 11/25; a more updated report and map would be available in mid December. Todd Borci to review map and provide feedback on the report date.

Documents and Schedules

Marc Grant (AMEC) led a discussion of document priorities. A 6-page handout was distributed including scheduling issues overview, document status table, and 3-month look-ahead schedule.

UXO Interim Screening Report MOR. 1st priority. Waiting EPA approval.

Pump Test Report. 2nd priority. EPA comments to be forwarded by the week of 11/25.

Small Arms Ranges Report. 3rd priority. DEP comments to be forwarded by tomorrow 11/22.

BIP Sampling Plan MOR. 4th priority. EPA sent approval on 10/29.

MSP3 Eastern Test Site Report. 5th priority. EPA comment sent this morning.

J1/J3/L Additional Delineation Report. Waiting for EPA approval of the MOR.

Demo 1 Soil Report. Need to discuss comments in DEP's 11/7/02 letter. Heather Sullivan to arrange conference call on 11/26.

HUTA1 Report. Response to Comment Letter sent 8/28. EPA to provide additional comments in the second week of December.

Soil Background Report. Comments from EPA Cincinnati are being reconciled with other EPA internal comments, to be forwarded soon.

MSP3 Gun and Mortar Workplan. Desiree Moyer (EPA) will have 2 or 3 comments to be sent out by 11/22.

Background Groundwater Report. Don Wood (ACE) relayed USGS had sent the report off to several scientists for review, comments expected in January.

Laboratory Fate and Transport Study CRM. EPA not sure of when CRM can be scheduled.

CDC Report. Waiting on comments.

Priorities for MADEP are: SAR Report, HUTA2 Transects, BIP Sampling Plan, MSP3 Reports.

The IAGWSP Technical Team meeting was not held on November 28, 2002 due to the Thanksgiving holiday.

The Impact Area Review Team did not meet during the month of November.

2. SUMMARY OF DATA RECEIVED

Validated data were received during November for Sample Delivery Groups (SDGs): 204089, 206058, 206060, 206167, CCE001, CCE002, CE0001, CE0009, CE0010, CE0011, CE0013, CE0014, CE0016, CE0017, CE0018, CE0019, CE0020, CE0021, CEE297, CEE300, CEE304, CEE306, CEE308, CEE311, CEE314, CEE316, CEE317, CEE318, CEE320, CEE321, CEE322, CEE325, CEE327, CEE331, CEE335, CEE336, CEE338, CEE340, CEE342, CEE344, CEI305, CEI310, CEI313, CEI314, CEI315, CEI318, CEI319, CEI324, CEI326, CEI328, CEI329, CEI330, CEI332, CEI333, CEI334, CEI337, CEI352, CEI353, DCE001, DCE002, DMR022, GCE007, GCE008, GCE009, GCE010, GCE012, GCE013, GCE014, GCE015, GCE016, GCE017, GCE018, GCE019, GCE020, GCE022, GCE023, GMR014, GMR015, GMR016, GMR017, GMR018, GMR019, GMR020, GMR021, GMR022, GMR023, GMR024, GMR025, GMR026, GMR027, MMR973, MMR974, MMR975, MMR976, MMR977, MMR978, MMR980, MMR980A, MMR981, MMR982, MMR983, NCE001, NMR032, SCE001, TT001, and TT003.

These SDGs contain results for 51 crater grab and grid samples; 510 groundwater samples from supply wells, test wells, monitoring wells, and a spring; two process water samples from the FS-12 treatment system; 150 profile samples from monitoring wells MW-235, MW-236, MW-237, MW-238, MW-239, MW-240, MW-241, MW-242, MW-243, MW-246, and MW-247; 23 soil grid samples from the Eastern Test and Scar Rocket sites; two soil samples from soil boring B-40; and four surface water samples from Snake Pond.

Validated Data

Figures 1 through 8 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, exclusive of chloroform detections
- Figure 4 shows the results of Volatile Organic Compound (VOC) analyses by method OC21V, only detections of chloroform. This figure is updated and included semiannually in only in the January and June Monthly Progress Reports.
- Figure 5 shows the results of Semi-Volatile Organic Compound (SVOC) analyses by methods OC21B and SW8270, exclusive of detections of bis (2-ethylhexyl) phthalate (BEHP)
- Figure 6 shows the results of Semi-Volatile Organic Compound (SVOC) analyses by methods OC21B and SW8270, only detections of BEHP. This figure is updated and included semiannually only in the January and June Monthly Progress Reports.
- Figure 7 shows the results of Pesticide (method OL21P) and Herbicide (method 8151) analyses
- Figure 8 shows the results of Perchlorate analysis by method E314.0

The concentrations from these analyses are depicted in Figures 1-7 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 8 compared to an EPA MMR Relevant Limit. A red circle is used to depict a well where the concentration of one or more analytes was greater than or equal to (GTE) the lowest MCL, HA, or EPA MMR Relevant Limit for the analyte(s). A yellow circle is used to depict a well where the concentration of all analytes was less than (LT) the lowest MCL, HA, or EPA MMR Relevant Limit. A green circle is used to depict a well where the given analytes were not detected. An open circle is used to depict an existing well where the analytes in question (for example, Explosives in Figure 1) have not yet been measured. Table 3 summarizes the detections that exceeded a MCL, HA, or EPA MMR Relevant Limit, sorted by analytical method and analyte, since 1997.

There are multiple labels listed for some wells in Figures 1-8, which indicate multiple well screens at different depths throughout the aquifer. The aquifer is approximately 200-300 feet thick in the study area. Well screens are positioned throughout this thickness based on various factors, including the results of groundwater profile samples, the geology, and projected locations of contaminants estimated by groundwater modeling. The screen labels are colored to indicate which of the depths had the chemical detected above MCLs/HAs/EPA Limit. Generally, groundwater entering the top of the aquifer will move deeper into the aquifer as it moves radially outward from the top of the water table mound. Light blue dashed lines in Figures 1-8 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 1-8 are cumulative, which provides a historical perspective on the data rather than a depiction of current conditions. Any detection at a well that equals or exceeds the MCL/HA/EPA Limit results in the well having a red symbol, regardless of later detections at lower concentrations, or later non-detects. The difference between historical and current conditions varies according to the type of analytes. There are little or no differences between historical and current exceedances of drinking water criteria for Explosives, VOCs, Pesticides, and Herbicides; the minor differences are mentioned in the following paragraphs. There are significant differences between historical and current exceedances of drinking water criteria for Metals and SVOCs, as described further below. There is no historical data available for Perchlorate.

Figure 1: Explosives in Groundwater Compared to MCLs/HAs

For data validated in November 2002, no wells had a first time validated detection of explosives above the MCL/HAs. Three wells, MW-168M3 (Southeast Ranges) and MW-228M2, S had first time validated detections of various explosives below the MCLs/HAs.

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

- Demo Area 1 (wells 19, 31, 34, 73, 76, 77, 114, and 129);
- Demo Area 2 (wells 16 and 160);
- The Impact Area and CS-19 (wells 58MW0001, 0002, 0009E, 0011D, 0016B, 0016C 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, 113, 178, 184, 201, 204, 206, 207, 209, OW-1, OW-2, and OW-6); and
- J Ranges and southeast of the J Ranges (wells 45, 58, 132, 147, 153, 163, 164, 165, 166, 171, 191, 196, 198, 215, 227 and wells 90MW0022, 90MW0054 and 90WT0013).

Exceedances of drinking water criteria were measured for 2,4,6-trinitrotoluene (TNT) at Demo Area 1 (wells 19S, 31S, 31M, and 31D) and Southeast of the Ranges (196S), for 1,3-dinitrobenzene and nitroglycerin at Demo Area 1 (well 19S), and for hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) at all of the locations listed above except at MW-45 and MW-196. Exceedances of drinking water criteria were measured for 2,6-dinitrotoluene (2,6-DNT) at MW-45S.

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

For data validated in November 2002, one well, MW-198M2 (Southeast Ranges) had a first time validated detection of thallium above the MCL of 2.0 ppb. Eleven wells, MW-90S MW-101S (Central Impact Area), MW-228M1, M2, S, MW-229M1, M2, M3, M4, and MW-230M1, M2 (Southeast Ranges) had first time validated detections of various metals below the 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. Arsenic (well 7M1), cadmium (52M3), and chromium (7M1) each had one exceedance in a single sampling round in August-September 1999. One of four lead exceedances (ASP well) was repeated in another sampling round and the remaining three lead exceedances (wells 2S, 7M1, and 45S) have not been repeated in previous or subsequent results. The Health Advisory for molybdenum was updated based on the most current state and federal Health Advisories from 10 ppb to 40 ppb. Two of the eight molybdenum exceedances were repeated in consecutive sampling rounds (wells 53M1 and 54S). All of the molybdenum exceedances were observed in year 1998 and 1999 results. Six of the 18 sodium exceedances were repeated in consecutive sampling rounds (wells 2S, 46S, 57M2, 57M1, 145S, and SDW261160). Five wells (90WT0010,

21S, 46S, 57M1, and 57M2) had sodium exceedances in the year 2000 results; five wells (21S, 144S, 145S, 148S and ASP) had exceedances in the year 2001 results, and three wells (144S, 145S, and 187D) had exceedances in year 2002 results. Zinc exceeded the HA in seven wells, all of which are constructed of galvanized (zinc-coated) steel.

None of the 12 antimony exceedances were repeated in consecutive sampling rounds, and only one exceedance (well 187D) was measured in year 2002 results. There have been few exceedances since the introduction of the new ICP method for antimony and thallium, discussed in the next paragraph. Eight of the 69 thallium exceedances were repeated in consecutive sampling rounds (wells 7M1, 7M2, 47M2, 52S, 52D, 54S, 54M1, and 94M2). Twenty-two wells (2D, 3D, 35S, 39M1, 45S, 46M1, 47M3, 47M2, 48M3, 48D, 49M3, 50M1, 52S, 54S, 56S, 56M3, 57M2, 58S, 64M1, 73S, 83S, and 127S) had thallium exceedances in the year 2000 results; ten wells (19S, 38D, 44S, 61S, 84M3, 84D, 94M2, 132S, 145S and 150S) had thallium exceedances in the year 2001 results; two wells (191M1 and 198M2) had thallium exceedances in the year 2002 results.

In May of 2001, the Guard added a new method to achieve lower detection limits for antimony and thallium. Groundwater samples sent for metals analysis are analyzed for most metals by Inductively Coupled Plasma (ICP) in accordance with the U.S. EPA Contract Laboratory Program Statement of Work ILM04.0. Antimony and thallium are also analyzed by graphite furnace atomic absorption (GFAA) in accordance with EPA Drinking Water Methods 202.4 (antimony) and 200.9(thallium). These additional methods achieve lower detection limits for these two metals, both of which are subject to false positive results at trace levels by ICP as a result of interferences. These interferences do not affect the GFAA analysis.

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

For data validated in November 2002, no wells had first time validated detections of VOCs above an MCL/HA. No wells had first time validated detections of volatile organic compounds below the MCLs/HAs.

Exceedances of drinking water criteria for VOCs are indicated in five general areas: Monument Beach Field Well (02-12), CS-10 (wells 03MW0007A, 03MW0014A, and 03MW0020), LF-1 (well 27MW0017B), FS-12 (wells MW-45S, 90MW0003, and ECMWSNP02D), and in the J-1 Range (MW-187D). 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. Detections of benzene, tert-butyl methyl ether, and chloromethane at J-1 Range well 187D and chloromethane at Bourne well 02-12M1 are currently under investigation.

Detections of chloroform are presented separately in Figure 4, which was updated and included for the June Monthly Progress Report.

Figure 4: Chloroform in Groundwater Compared to MCLs

Chloroform has been widely detected in groundwater across the Upper Cape as stated in a joint press release from USEPA, MADEP, IRP, and the Joint Programs Office. The Cape Cod Commission (2001) in their review of public water supply wells for 1999 found greater than 75% contained chloroform with an average concentration of 4.7 ug/L. The IRP has concluded chloroform is not the result of Air Force activities. A detailed discussion of the presence of chloroform is provided in the Final Central Impact Area Groundwater Report (06/01). To date, the source of the chloroform in the Upper Cape groundwater has not been identified. This figure, presenting only chloroform detections was last updated and included for the June Monthly Progress Report.

Figure 5: SVOCs in Groundwater Compared to MCLs/HAs

For data validated in November 2002, no wells had first time validated detections of semi-volatile organic compounds above the MCL/HAs. One well, MW-02D (Central Impact Area), had a first time validated detection of naphthalene below the MCL/HA.

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 well 41M1 which had an estimated level of 2,6-dinitrotoluene (DNT) that is equal to the HA. Detections of BEHP are presented separately in Figure 6, which was last updated and included for the June Monthly Progress Report.

The 2,6-DNT detected at well 41M1 is interesting in that the explosives 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 explosives 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 explosives method in the first, third, fourth, or fifth sampling rounds.

Figure 6: BEHP in Groundwater Compared to MCLs

Exceedances of drinking water criteria for bis (2-ethylhexyl) phthalate (BEHP) are scattered throughout the study area. BEHP is believed to be largely an artifact of the investigation methods, introduced to the samples during collection or analysis. However, the potential that some of the detections of BEHP are the result of activities conducted at MMR has not been ruled out.

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 mostly 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 four locations (out of 82) 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), and 146M1 (located at L Range). Subsequent sampling rounds at all these locations have had results below the MCL. Three wells (49S, 57M2, and 84D) have had a BEHP exceedance in the year 2000 results. Ten wells (28M1, 55D, 82D, 142M1, 142M2, 146M1, 157D, 158M2, 168M1, and 168M2) have had a BEHP exceedance in the year 2001 results. Five wells (27MW0705, 27MW2061, 164M1, 188M1 and 196M1) had BEHP exceedances in the year 2002 results. This figure, presenting only BEHP detections was last updated and included for the June Monthly Progress Report.

Figure 7: Herbicides and Pesticides in Groundwater Compared to MCLs/HAs

For data validated in November 2002, no wells had first time validated detections of herbicides or pesticides above the MCL/HAs. Two wells, MW-228S and MW-229M1 (Southeast Ranges) had first time validated detections of herbicides or pesticides below the 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 5). The exceedance was for the herbicide pentachlorophenol in a sample collected in May 2000. There were no detections above the MCL of this compound in the three previous sampling rounds in 1999, nor in the subsequent sampling rounds in 2000, 2001, and 2002.

Figure 8: Perchlorate in Groundwater Compared to EPA MMR Relevant Standard

For data validated in November 2002, eight wells, MW-143M3, MW-197M2, MW-227M2, MW-232M1, M2 (Southeast Ranges), MW-233M3 (West of Impact Area), MW-225M3 and MW-231M2 (Demo Area 1), had first time validated detections of perchlorate that exceeded the EPA MMR Relevant Standard of 1.5 ppb. Eleven wells, 01-1A, 95-6B (Monument Beach Well Field), MW-102M2, SDW261160 (Central Impact Area), MW-231M1, M2 (Demo Area 1), 90MW0019, 90MW0038, 90WT0004, MW-155M1, and MW-230M1 (Southeast Ranges) had first time validated detections of perchlorate that did not exceed the EPA MMR Relevant Standard.

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 the EPA MMR Relevant Standard for perchlorate of 1.5 parts per billion (ppb) specific to Camp Edwards. At present, there are 57 exceedances of the limit of 1.5 ppb for perchlorate.

Exceedances of EPA MMR Relevant Standard for perchlorate are indicated in seven general areas:

- Demo Area 1 (wells 19, 31, 32, 33, 34, 35, 73, 75, 76, 77, 78, 114, 129, 139, 162, 165, 172, 210, 211, 225, and 231);
- Central Impact Area and CS-19 (wells 58MW0009C and 58MW0015A and wells 91, 93, 99, 100, 101, 105, 141, OW-1, OW-2 and OW-6);
- J Ranges and southeast of the J Ranges (wells 125, 127, 128, 130, 132, 143,158, 163, 166, 193, 197,198, 227 and 232 and wells 90MW0022 and 90MW0054);
- GP-16 (well 66);
- West of Impact Area (wells 80 and 233);
- LF-1 (27MW0031B and 27MW2134A); and
- CS-18 (well 16MW0001).

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:

Bourne Area

- Groundwater samples from 97-5; 02-09M1, M2; 02-13M1, M2, M3 and duplicate; and MW-233M3 had detections of perchlorate. The results were similar to the previous sampling rounds.

- Groundwater samples from 97-3 had a detection of methylene chloride. This is the first detection of methylene chloride in this well.

- Groundwater samples from MW-233M1 had a detection of toluene. This is the first detection of toluene in this well.

- Thirteen groundwater samples had detections of chloroform.

Central Impact Area and Downgradient

- Groundwater samples from MW-201M1, M2 and duplicate; MW-204M1; MW-205M1; and MW-223M2 had detections of RDX that were confirmed by PDA spectra. The results were similar to the previous sampling rounds.

- Groundwater samples from MW-204M2 had detections of RDX and HMX that were confirmed by PDA spectra. This is the first detection of HMX in this well. The detection of RDX was similar to the results from the previous sampling rounds.

- Groundwater samples from MW-216S had a detection of perchlorate. The results were similar to the previous sampling rounds.

- Groundwater samples from MW-216S and MW-216M1 had detections of chloroform.

- Profile samples from MW-249 (CIAP-14) had detections of explosives. TNT was detected and confirmed by PDA spectra at 19 feet below the water table. RDX was detected and confirmed by PDA spectra at 39 feet below the water table. HMX was detected and confirmed by PDA spectra, but with interference in two intervals; at 39 feet and 109 feet below the water table. 2,6-DNT was detected and confirmed by PDA spectra, but with interference at 109 feet below the water table. Well screens were set at the depth (13 to 23 ft bwt) corresponding to the TNT detection, the depth (33 to 43 ft bwt) corresponding to the RDX detection, and at the depth (102 to 112 ft bwt) corresponding to the deepest HMX detection.

Southeast Ranges

- Groundwater samples from MW-197M2, M3; MW-198M3, M4; MW-215M1; and MW-227M1 had detections of explosives that were confirmed by PDA spectra. The results were similar to the previous sampling rounds.

- Groundwater samples from MW-241M1 had detections of 1,3,5-trinitobenzene, 1,3-dinitrobenzene, 2,4-DANT, 2,6-DNT, 2A-DNT, 4A-DNT, RDX, nitrobenzene, nitroglycerin, and picric acid. The detections were not confirmed by PDA spectra. This is the first sampling event and the results were consistent with the profile results.

- Groundwater samples from MW-242M1 had detections RDX, TNT, 2,6-DNT, 2-nitrotoluene, 4A-DNT, 4-nitrotoluene, and picric acid. The detection of RDX was confirmed by PDA spectra, but with interference. This is the first sampling event and the results were consistent with the profile results, except that RDX was not detected in profile samples.

- Groundwater samples from MW-243M2 had a detection of picric acid that was not confirmed by PDA spectra. This is the first sampling event and the results were consistent with the profile results.

- Profile samples from MW-246 (J3P-20) had detections of explosives, VOCs, and perchlorate. 2,6-DNT was detected and confirmed by PDA spectra but with interference at 7 feet below the water table. Perchlorate was detected at 37 feet below the water table. Well screens were set at the depth corresponding to the perchlorate detection (32 to 42 ft bwt) and at the depth (115 to 125 ft bwt) of the midpoint of the J-3 Range RDX plume.

- Profile samples from MW-247 (J3P-22) had detections of explosives, VOCs, and perchlorate. 2,6-DNT was detected and confirmed by PDA spectra, but with interference at 6 feet below the water table. RDX was detected and confirmed by PDA spectra in three intervals between 96 and 116 feet below the water table. Perchlorate was detected in seven intervals between 86 and 146 feet below the water table. Well screens were set at the depth (71 to 81 ft bwt) corresponding to the clean zone above the perchlorate detections, the depth (101 to 11 ft bwt) corresponding to the highest RDX and perchlorate detections, and at the depth (156 to 166 ft bwt) corresponding to the clean zone below the perchlorate detections.

- Profile samples from MW-250 (J3P-19) had detections of explosives, VOCs, and perchlorate. RDX was detected and confirmed by PDA spectra, but with interference in two intervals at 88 feet and 108 feet below the water table. Perchlorate was detected in eight intervals at 58 feet and between 88 and 158 feet below the water table. Well screens were set at the depth (82 to 92 ft bwt) corresponding to the top of the RDX detections, the depth (132 to 142 ft bwt) corresponding to the highest perchlorate detections, and at the depth (167 to 177 ft bwt) corresponding to the clean zone below the perchlorate detections.

Demo Area 1

- Groundwater samples from MW-210M2 and MW-211M2 had detections of perchlorate. The results were similar to the previous sampling rounds.

- Groundwater samples from MW-211M1 had a detection of perchlorate. This is the first detection of perchlorate in this well.

- Groundwater samples from MW-214M2 had a detection of perchlorate. This is the second sampling event and the results were consistent with the profile results

- Profile samples from MW-248 (D1P-16) had detections of explosives that were not confirmed by PDA spectra. Well screens were set at the depth (30 to 40 ft bwt) corresponding to the top of the upgradient perchlorate plume, the depth (65 to 75 ft bwt) corresponding to the middle of the upgradient plume, and at the depth (105 to 115 ft bwt) corresponding to the bottom of the upgradient plume.

3. DELIVERABLES SUBMITTED

Deliverables submitted during the reporting period include the following:

Weekly Progress Update October 21 – October 25, 2002	11/04/2002
MSP3 J-1 Range Polygon Report	11/04/2002
Draft Scrap Yard Workplan	11/07/2002
Monthly Progress Update October 2002	11/09/2002
Weekly Progress Update for October 28 – November 1, 2002	11/11/2002
Draft Bourne Perchlorate Response Plan	11/15/2002
Weekly Progress Update for November 4 – November 8, 2002	11/18/2002
MSP3 J-3 Range Polygon Report	11/19/2002
HUTA 2 Transects 1-5 Report	11/21/2002
Weekly Progress Update for November 11 – November 15, 2002	11/22/2002
AIRMAG Report	11/22/2002
Final Demolition Area 2 Additional Delineation Work Plan	11/27/2002

4. SCHEDULED ACTIONS

Figure 9 provides a Gantt chart updated to reflect progress and proposed work. Activities scheduled for December and early January include:

- Continue Demolition Area 1 Groundwater RRA/RAM Plan preparation
- Continue Demolition Area 1 Soil RRA/RAM Plan preparation
- Start Central Impact Area Groundwater Report preparation
- Continue HUTA 1 Revised Draft Final Report revision
- Finish J-1/J-3/L Ranges Additional Delineation Revised Draft Report
- Start J-1/J-3/L Ranges Draft Final Report preparation
- Finish Gun and Mortar Firing Position Draft Final COC Letter Report
- Continue Gun and Mortar Firing Positions Revised Draft Final Report revision
- Continue Phase II(b) Draft SAR Report revision
- Finish Phase II(b) Draft Final Report preparation
- Continue Revised MSP Phase I Draft Report revision
- Continue MSP3 Eastern Test Site Draft Report revision
- Continue MSP Scar Site Draft Report preparation
- Continue Demo Area 1 Soil Feasibility Study Screening Draft Report revision
- Finish UXO Feasibility Study Screening Final Report

5. SUMMARY OF ACTIVITIES FOR DEMO 1

Additional delineation of the downgradient portion of the groundwater plume is being conducted prior to finalizing the Feasibility Study for the Groundwater Operable Unit and as the Interim Action for groundwater remediation is being designed. Pumping and treating groundwater at the toe of the Demo 1 plume and at Frank Perkins Road has been selected as an Interim Action to address the Demo 1 Area Groundwater Operable Unit. A Rapid Response Action/Release Abatement Measure (RRA/RAM) is also being planned to address soil contamination at Demo 1. Drilling of MW-248 (D1P-16) was completed.

TABLE 2
SAMPLING PROGRESS
11/1/2002 - 11/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
J2.A.T2K.021.1.0	J2.A.T2K.021	11/13/2002	CRATER GRAB				
J2.A.T2K.021.1.D	J2.A.T2K.021	11/13/2002	CRATER GRAB				
J2.A.T2K.021.2.0	J2.A.T2K.021	11/14/2002	CRATER GRAB				
SP.A.001.1.0	SP.A.001	11/13/2002	CRATER GRAB				
SP.A.001.2.0	SP.A.001	11/14/2002	CRATER GRAB				
SP.A.002.1.0	SP.A.002	11/13/2002	CRATER GRAB				
SP.A.002.2.0	SP.A.002	11/14/2002	CRATER GRAB				
SP.A.003.1.0	SP.A.003	11/13/2002	CRATER GRAB				
SP.A.003.2.0	SP.A.003	11/14/2002	CRATER GRAB				
0.G.0.0UR08.0.E	FIELDQC	11/13/2002	FIELDQC	0.00	0.00		
0.G.0.0UR09.0.E	FIELDQC	11/14/2002	FIELDQC	0.00	0.00		
0.G.0.0UR10.0.E	FIELDQC	11/25/2002	FIELDQC	0.00	0.00		
0.G.0.0UR11.0.E	FIELDQC	11/26/2002	FIELDQC	0.00	0.00		
97-1E	FIELDQC	11/14/2002	FIELDQC	0.00	0.00		
G246DTT	FIELDQC	11/01/2002	FIELDQC	0.00	0.00		
G247DOE	FIELDQC	11/01/2002	FIELDQC	0.00	0.00		
G247DRE	FIELDQC	11/07/2002	FIELDQC	0.00	0.00		
G248DAE	FIELDQC	11/08/2002	FIELDQC	0.00	0.00		
G248DAT	FIELDQC	11/08/2002	FIELDQC	0.00	0.00		
G248DHE	FIELDQC	11/12/2002	FIELDQC	0.00	0.00		
G248DIE	FIELDQC	11/13/2002	FIELDQC	0.00	0.00		
G248DLE	FIELDQC	11/14/2002	FIELDQC	0.00	0.00		
G248DME	FIELDQC	11/15/2002	FIELDQC	0.00	0.00		
G248DOE	FIELDQC	11/18/2002	FIELDQC	0.00	0.00		
G248DQE	FIELDQC	11/19/2002	FIELDQC	0.00	0.00		
G249DJE	FIELDQC	11/21/2002	FIELDQC	0.00	0.00		
G249DJT	FIELDQC	11/21/2002	FIELDQC	0.00	0.00		
G249DOE	FIELDQC	11/22/2002	FIELDQC	0.00	0.00		
G249DPE	FIELDQC	11/25/2002	FIELDQC	0.00	0.00		
G250DGE	FIELDQC	11/20/2002	FIELDQC	0.00	0.00		
G250DGT	FIELDQC	11/20/2002	FIELDQC	0.00	0.00		
HC12AQ1AAE	FIELDQC	11/08/2002	FIELDQC	0.00	0.00		
HC12BP1BAE	FIELDQC	11/01/2002	FIELDQC	0.00	0.00		
HC12Y1AAE	FIELDQC	11/07/2002	FIELDQC	0.00	0.00		
HCA11120201BGE	FIELDQC	11/14/2002	FIELDQC	0.00	0.00		
HD102N13BAE	FIELDQC	11/05/2002	FIELDQC	0.00	0.00		
HD12AB1AAE	FIELDQC	11/06/2002	FIELDQC	0.00	0.00		
HDA11120201AE	FIELDQC	11/15/2002	FIELDQC	0.00	0.00		
TW1-88A-E	FIELDQC	11/11/2002	FIELDQC		102.90	0.00	67.40
TW1-88A-E	FIELDQC	11/19/2002	FIELDQC	0.00	0.00		
TW1-88A-E	FIELDQC	11/27/2002	FIELDQC	0.00	0.00		
TW1-88E	FIELDQC	11/05/2002	FIELDQC	0.00	0.00		
W02-12M1T	FIELDQC	11/05/2002	FIELDQC	0.00	0.00		
W02-12M1T	FIELDQC	11/11/2002	FIELDQC	0.00	0.00		
W02-12M1T	FIELDQC	11/19/2002	FIELDQC	0.00	0.00		
W02-12M1T	FIELDQC	11/26/2002	FIELDQC	0.00	0.00		
W198M2E	FIELDQC	11/04/2002	FIELDQC	0.00	0.00		
W198M2T	FIELDQC	11/04/2002	FIELDQC	0.00	0.00		
W198M3E	FIELDQC	11/06/2002	FIELDQC	0.00	0.00		
W198M3T	FIELDQC	11/06/2002	FIELDQC	0.00	0.00		

Profiling methods include: Volatiles and Explosives
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
Other Sample Types methods are variable
SBD = Sample Begin Depth, measured in feet bgs
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BWTS = Depth below water table, start depth, measured in feet
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TABLE 2
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11/1/2002 - 11/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W198M4E	FIELDQC	11/01/2002	FIELDQC	0.00	0.00		
W200M1F	FIELDQC	11/08/2002	FIELDQC	0.00	0.00		
W200M1F	FIELDQC	11/11/2002	FIELDQC	0.00	0.00		
W225M2T	FIELDQC	11/14/2002	FIELDQC	0.00	0.00		
XXM973-E	FIELDQC	11/07/2002	FIELDQC	0.00	0.00		
XXM973-T	FIELDQC	11/07/2002	FIELDQC	0.00	0.00		
4036000-01G	4036000-01G	11/05/2002	GROUNDWATER			6.00	12.00
4036000-01G	4036000-01G	11/12/2002	GROUNDWATER			6.00	12.00
4036000-01G	4036000-01G	11/19/2002	GROUNDWATER			6.00	12.00
4036000-01G	4036000-01G	11/26/2002	GROUNDWATER			6.00	12.00
4036000-01GD	4036000-01G	11/19/2002	GROUNDWATER			6.00	12.00
4036000-03G	4036000-03G	11/05/2002	GROUNDWATER	50.00	60.00	6.00	12.00
4036000-03G	4036000-03G	11/12/2002	GROUNDWATER	50.00	60.00	6.00	12.00
4036000-03G	4036000-03G	11/19/2002	GROUNDWATER	50.00	60.00	6.00	12.00
4036000-03G	4036000-03G	11/26/2002	GROUNDWATER	50.00	60.00	6.00	12.00
4036000-04G	4036000-04G	11/05/2002	GROUNDWATER			6.00	12.00
4036000-04G	4036000-04G	11/12/2002	GROUNDWATER			6.00	12.00
4036000-04G	4036000-04G	11/19/2002	GROUNDWATER			6.00	12.00
4036000-04G	4036000-04G	11/26/2002	GROUNDWATER			6.00	12.00
4036000-06G	4036000-06G	11/05/2002	GROUNDWATER			6.00	12.00
4036000-06G	4036000-06G	11/12/2002	GROUNDWATER			6.00	12.00
4036000-06G	4036000-06G	11/19/2002	GROUNDWATER			6.00	12.00
4036000-06G	4036000-06G	11/26/2002	GROUNDWATER			6.00	12.00
PPAWSPW-1-A	PPAWSPW-1	11/04/2002	GROUNDWATER			158.00	178.00
PPAWSPW-2-A	PPAWSPW-2	11/04/2002	GROUNDWATER			85.00	105.00
TW1-88A	1-88	11/05/2002	GROUNDWATER		102.90	0.00	67.40
TW1-88A-A	1-88	11/11/2002	GROUNDWATER		102.90	0.00	67.40
TW1-88A-A	1-88	11/19/2002	GROUNDWATER		102.90	0.00	67.40
TW1-88A-A	1-88	11/27/2002	GROUNDWATER		102.90	0.00	67.40
W02-02M1A	02-02	11/06/2002	GROUNDWATER	114.50	124.50	63.50	73.50
W02-02M2A	02-02	11/05/2002	GROUNDWATER	94.50	104.50	42.65	55.65
W02-02SSA	02-02	11/06/2002	GROUNDWATER	49.50	59.50	0.00	10.00
W02-09M1A	02-09	11/06/2002	GROUNDWATER	74.00	84.00	65.26	75.26
W02-09M2A	02-09	11/06/2002	GROUNDWATER	59.00	69.00	50.30	60.30
W02-12M1A	02-12	11/05/2002	GROUNDWATER	109.00	119.00	58.35	68.35
W02-12M1A	02-12	11/11/2002	GROUNDWATER	109.00	119.00	58.35	68.35
W02-12M1A	02-12	11/19/2002	GROUNDWATER	109.00	119.00	58.35	68.35
W02-12M1A	02-12	11/26/2002	GROUNDWATER	109.00	119.00	58.35	68.35
W02-12M2A	02-12	11/05/2002	GROUNDWATER	94.00	104.00	43.21	53.21
W02-12M2A	02-12	11/11/2002	GROUNDWATER	94.00	104.00	43.21	53.21
W02-12M2A	02-12	11/19/2002	GROUNDWATER	94.00	104.00	43.21	53.21
W02-12M2A	02-12	11/26/2002	GROUNDWATER	94.00	104.00	43.21	53.21
W02-12M3A	02-12	11/05/2002	GROUNDWATER	79.00	89.00	28.22	38.22
W02-12M3A	02-12	11/11/2002	GROUNDWATER	79.00	89.00	28.22	38.22
W02-12M3A	02-12	11/19/2002	GROUNDWATER	79.00	89.00	28.22	38.22
W02-12M3A	02-12	11/27/2002	GROUNDWATER	79.00	89.00	28.22	38.22
W02-12M3D	02-12	11/19/2002	GROUNDWATER	79.00	89.00	28.22	38.22
W02-13M1A	02-13	11/05/2002	GROUNDWATER	98.00	108.00	58.33	68.33
W02-13M1A	02-13	11/11/2002	GROUNDWATER	98.00	108.00	58.33	68.33
W02-13M1A	02-13	11/19/2002	GROUNDWATER	98.00	108.00	58.33	68.33

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
11/1/2002 - 11/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W02-13M1A	02-13	11/27/2002	GROUNDWATER	98.00	108.00	58.33	68.33
W02-13M2A	02-13	11/05/2002	GROUNDWATER	83.00	93.00	44.20	54.20
W02-13M2A	02-13	11/11/2002	GROUNDWATER	83.00	93.00	44.20	54.20
W02-13M2A	02-13	11/19/2002	GROUNDWATER	83.00	93.00	44.20	54.20
W02-13M2A	02-13	11/27/2002	GROUNDWATER	83.00	93.00	44.20	54.20
W02-13M3A	02-13	11/05/2002	GROUNDWATER	68.00	78.00	28.30	38.30
W02-13M3A	02-13	11/11/2002	GROUNDWATER	68.00	78.00	28.30	38.30
W02-13M3A	02-13	11/19/2002	GROUNDWATER	68.00	78.00	28.30	38.30
W02-13M3A	02-13	11/27/2002	GROUNDWATER	68.00	78.00	28.30	38.30
W02-13M3D	02-13	11/05/2002	GROUNDWATER	68.00	78.00	28.30	38.30
W02-13M3D	02-13	11/11/2002	GROUNDWATER	68.00	78.00	28.30	38.30
W02-15M1A	02-15	11/06/2002	GROUNDWATER	125.00	135.00	75.63	85.63
W02-15M2A	02-15	11/06/2002	GROUNDWATER	101.00	111.00	51.50	61.50
W02-15M3A	02-15	11/07/2002	GROUNDWATER	81.00	91.00	31.40	41.40
W07M1A	MW-07	11/22/2002	GROUNDWATER	240.00	245.00	135.00	140.00
W07M1X	MW-07	11/22/2002	GROUNDWATER	240.00	245.00	135.00	140.00
W07M2A	MW-07	11/25/2002	GROUNDWATER	170.00	175.00	65.00	70.00
W07SSA	MW-07	11/25/2002	GROUNDWATER	103.00	113.00	0.00	10.00
W100M1A	MW-100	11/21/2002	GROUNDWATER	179.00	189.00	45.00	55.00
W100M2A	MW-100	11/21/2002	GROUNDWATER	164.00	174.00	30.00	40.00
W101M1A	MW-101	11/21/2002	GROUNDWATER	158.00	168.00	27.00	37.00
W101SSA	MW-101	11/21/2002	GROUNDWATER	131.00	141.00	0.00	10.00
W107M1A	MW-107	11/22/2002	GROUNDWATER	155.00	165.00	35.00	45.00
W107M2A	MW-107	11/22/2002	GROUNDWATER	125.00	135.00	5.00	15.00
W111M2A	MW-111	11/21/2002	GROUNDWATER	182.00	192.00	50.00	60.00
W111M3A	MW-111	11/25/2002	GROUNDWATER	165.00	175.00	33.00	43.00
W111M3D	MW-111	11/25/2002	GROUNDWATER	165.00	175.00	33.00	43.00
W113M1A	MW-113	11/26/2002	GROUNDWATER	240.00	250.00	98.00	108.00
W113M2A	MW-113	11/26/2002	GROUNDWATER	190.00	200.00	48.00	58.00
W114M1A	MW-114	11/13/2002	GROUNDWATER	177.00	187.00	96.00	106.00
W114M2A	MW-114	11/13/2002	GROUNDWATER	120.00	130.00	39.00	49.00
W129M1A	MW-129	11/13/2002	GROUNDWATER	136.00	146.00	66.00	76.00
W129M2A	MW-129	11/13/2002	GROUNDWATER	116.00	126.00	46.00	56.00
W129M2D	MW-129	11/13/2002	GROUNDWATER	116.00	126.00	46.00	56.00
W129M3A	MW-129	11/13/2002	GROUNDWATER	96.00	106.00	26.00	36.00
W133M1A	MW-133	11/20/2002	GROUNDWATER	352.00	362.00	136.00	146.00
W133M2A	MW-133	11/20/2002	GROUNDWATER	321.00	331.00	105.00	115.00
W138M1A	MW-138	11/25/2002	GROUNDWATER	253.00	263.00	132.00	142.00
W138M2A	MW-138	11/25/2002	GROUNDWATER	151.00	161.00	30.00	40.00
W138M3A	MW-138	11/25/2002	GROUNDWATER	135.00	145.00	14.00	24.00
W138M3D	MW-138	11/25/2002	GROUNDWATER	135.00	145.00	14.00	24.00
W139M1A	MW-139	11/13/2002	GROUNDWATER	194.00	204.00	110.00	120.00
W139M1A	MW-139	11/26/2002	GROUNDWATER	194.00	204.00	110.00	120.00
W139M2A	MW-139	11/13/2002	GROUNDWATER	154.00	164.00	70.00	80.00
W139M2A	MW-139	11/26/2002	GROUNDWATER	154.00	164.00	70.00	80.00
W139M3A	MW-139	11/13/2002	GROUNDWATER	119.00	129.00	35.00	45.00
W141M1A	MW-141	11/25/2002	GROUNDWATER	190.00	200.00	62.00	72.00
W141M2A	MW-141	11/25/2002	GROUNDWATER	162.00	172.00	34.00	44.00
W141SSA	MW-141	11/25/2002	GROUNDWATER	128.00	138.00	0.00	10.00
W142M1A	MW-142	11/22/2002	GROUNDWATER	225.00	235.00	185.00	195.00

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
11/1/2002 - 11/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W142M2A	MW-142	11/22/2002	GROUNDWATER	140.00	150.00	100.00	110.00
W142SSA	MW-142	11/22/2002	GROUNDWATER	42.00	52.00	2.00	12.00
W143M1A	MW-143	11/22/2002	GROUNDWATER	144.00	154.00	114.00	124.00
W143M2A	MW-143	11/22/2002	GROUNDWATER	144.00	154.00	114.00	124.00
W143M3A	MW-143	11/25/2002	GROUNDWATER	107.00	112.00	77.00	82.00
W144M2A	MW-144	11/25/2002	GROUNDWATER	130.00	140.00	109.00	119.00
W144SSA	MW-144	11/25/2002	GROUNDWATER	26.00	36.00	5.00	15.00
W160SSA	MW-160	11/21/2002	GROUNDWATER	137.50	147.50	5.00	15.00
W161SSA	MW-161	11/20/2002	GROUNDWATER	145.50	155.50	6.00	16.00
W162M1A	MW-162	11/13/2002	GROUNDWATER	190.50	200.50	114.29	124.29
W162M2A	MW-162	11/14/2002	GROUNDWATER	125.50	135.50	49.29	59.29
W162M3A	MW-162	11/15/2002	GROUNDWATER	85.50	95.50	9.28	19.29
W165M1A	MW-165	11/13/2002	GROUNDWATER	184.50	194.50	106.00	116.00
W165M2A	MW-165	11/26/2002	GROUNDWATER	124.50	134.50	46.00	56.00
W165M3A	MW-165	11/26/2002	GROUNDWATER	94.50	104.50	16.00	26.00
W16DDA	MW-16	11/20/2002	GROUNDWATER	355.00	360.00	223.00	228.00
W172M2A	MW-172	11/26/2002	GROUNDWATER	169.00	179.00	104.00	114.00
W173M1A	MW-173	11/14/2002	GROUNDWATER	243.00	253.00	104.20	114.20
W173M2A	MW-173	11/14/2002	GROUNDWATER	208.00	218.00	72.20	82.20
W173M3A	MW-173	11/15/2002	GROUNDWATER	188.00	198.00	52.20	62.20
W175M1A	MW-175	11/15/2002	GROUNDWATER	264.00	274.00	136.40	146.40
W175M2A	MW-175	11/15/2002	GROUNDWATER	199.00	209.00	71.66	81.66
W175M3A	MW-175	11/15/2002	GROUNDWATER	162.00	167.00	34.65	39.65
W18DDA	MW-18	11/20/2002	GROUNDWATER	265.00	275.00	222.00	232.00
W18M1A	MW-18	11/20/2002	GROUNDWATER	171.00	176.00	128.00	133.00
W18M2A	MW-18	11/20/2002	GROUNDWATER	107.00	112.00	64.00	69.00
W194M1A	MW-194	11/06/2002	GROUNDWATER	85.00	90.00	39.10	44.10
W198M2A	MW-198	11/04/2002	GROUNDWATER	120.00	125.00	98.40	103.40
W198M3A	MW-198	11/06/2002	GROUNDWATER	100.00	105.00	78.50	83.50
W198M4A	MW-198	11/01/2002	GROUNDWATER	70.00	75.00	48.40	53.40
W200M1A	MW-200	11/08/2002	GROUNDWATER	294.00	304.00	89.80	99.80
W200M2A	MW-200	11/08/2002	GROUNDWATER	255.00	265.00	50.72	60.72
W201M1A	MW-201	11/08/2002	GROUNDWATER	306.00	316.00	106.90	116.90
W201M2A	MW-201	11/08/2002	GROUNDWATER	286.00	296.00	86.90	96.90
W201M2D	MW-201	11/08/2002	GROUNDWATER	286.00	296.00	86.90	96.90
W206SSA	MW-206	11/04/2002	GROUNDWATER	156.00	166.00	0.00	7.00
W212M1A	MW-212	11/12/2002	GROUNDWATER	333.00	343.00	125.60	135.60
W212M2A	MW-212	11/12/2002	GROUNDWATER	308.00	318.00	98.60	108.60
W214M1A	MW-214	11/04/2002	GROUNDWATER	198.00	208.00	111.40	121.40
W214M2A	MW-214	11/04/2002	GROUNDWATER	165.00	175.00	78.45	88.45
W214M3A	MW-214	11/04/2002	GROUNDWATER	140.00	150.00	53.45	63.45
W216M1A	MW-216	11/21/2002	GROUNDWATER	253.00	263.00	51.19	61.19
W216M2A	MW-216	11/21/2002	GROUNDWATER	236.00	246.00	34.17	44.17
W216SSA	MW-216	11/21/2002	GROUNDWATER	199.00	209.00	0.00	7.13
W219M1A	MW-219	11/01/2002	GROUNDWATER	357.00	367.00	178.00	188.00
W220M1A	MW-220	11/22/2002	GROUNDWATER	248.00	258.00	120.85	130.85
W220SSA	MW-220	11/22/2002	GROUNDWATER	126.00	136.00	0.00	10.00
W221M1A	MW-221	11/01/2002	GROUNDWATER	216.00	226.00	70.79	80.79
W221M1D	MW-221	11/01/2002	GROUNDWATER	216.00	226.00	70.79	80.79
W221M2A	MW-221	11/01/2002	GROUNDWATER	178.00	188.00	32.85	42.85

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TABLE 2
SAMPLING PROGRESS
11/1/2002 - 11/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W221M3A	MW-221	11/01/2002	GROUNDWATER	156.00	166.00	10.86	20.86
W222M1A	MW-222	11/01/2002	GROUNDWATER	240.00	250.00	123.76	133.76
W222M2A	MW-222	11/01/2002	GROUNDWATER	185.00	195.00	68.58	78.58
W223DDA	MW-223	11/05/2002	GROUNDWATER	260.00	270.00	167.86	177.86
W223DDD	MW-223	11/05/2002	GROUNDWATER	260.00	270.00	167.86	177.86
W223M1A	MW-223	11/04/2002	GROUNDWATER	211.00	221.00	118.79	128.79
W223M2A	MW-223	11/05/2002	GROUNDWATER	185.00	195.00	93.31	103.31
W225M1A	MW-225	11/12/2002	GROUNDWATER	175.00	185.00	77.10	87.10
W225M1D	MW-225	11/12/2002	GROUNDWATER	175.00	185.00	77.10	87.10
W225M2A	MW-225	11/14/2002	GROUNDWATER	145.00	155.00	46.48	56.48
W225M3A	MW-225	11/14/2002	GROUNDWATER	125.00	135.00	26.48	36.48
W227M1A	MW-227	11/04/2002	GROUNDWATER	130.00	140.00	76.38	86.38
W227M2A	MW-227	11/04/2002	GROUNDWATER	110.00	120.00	56.38	66.38
W227M3A	MW-227	11/04/2002	GROUNDWATER	65.00	75.00	11.39	21.39
W231M1A	MW-231	11/14/2002	GROUNDWATER	210.00	220.00	104.15	114.15
W231M2A	MW-231	11/14/2002	GROUNDWATER	165.00	175.00	58.33	68.33
W233M1A	MW-233	11/06/2002	GROUNDWATER	356.00	366.00	157.80	167.80
W233M2A	MW-233	11/07/2002	GROUNDWATER	331.00	341.00	132.80	142.80
W233M3A	MW-233	11/07/2002	GROUNDWATER	231.00	241.00	32.80	42.80
W239M1A	MW-239	11/12/2002	GROUNDWATER	180.00	190.00	159.80	169.80
W239M2A	MW-239	11/12/2002	GROUNDWATER	150.00	160.00	129.85	139.85
W239M3A	MW-239	11/12/2002	GROUNDWATER	60.00	70.00	39.85	49.85
W240M1A	MW-240	11/12/2002	GROUNDWATER	198.00	208.00	100.00	110.00
W240M2A	MW-240	11/14/2002	GROUNDWATER	125.00	135.00	26.45	36.45
W240M3A	MW-240	11/14/2002	GROUNDWATER	105.00	115.00	6.45	16.45
W241M1A	MW-241	11/08/2002	GROUNDWATER	97.00	107.00	2.75	12.75
W242M1A	MW-242	11/07/2002	GROUNDWATER	235.00	245.00	141.68	151.68
W242M2A	MW-242	11/07/2002	GROUNDWATER	165.00	175.00	71.75	81.75
W243M1A	MW-243	11/08/2002	GROUNDWATER	114.50	124.50	48.85	58.85
W243M2A	MW-243	11/12/2002	GROUNDWATER	84.50	94.50	15.82	25.82
W243M3A	MW-243	11/13/2002	GROUNDWATER	69.50	79.50	0.81	10.81
W31DDA	MW-31	11/15/2002	GROUNDWATER	133.00	138.00	48.00	53.00
W31MMA	MW-31	11/15/2002	GROUNDWATER	113.00	123.00	28.00	38.00
W31SSA	MW-31	11/15/2002	GROUNDWATER	98.00	103.00	13.00	18.00
W33DDA	MW-33	11/15/2002	GROUNDWATER	181.50	186.50	85.00	90.00
W33DDD	MW-33	11/15/2002	GROUNDWATER	181.50	186.50	85.00	90.00
W33MMA	MW-33	11/18/2002	GROUNDWATER	161.50	171.50	65.00	75.00
W33SSA	MW-33	11/18/2002	GROUNDWATER	146.50	151.50	50.00	55.00
W34M1A	MW-34	11/15/2002	GROUNDWATER	151.00	161.00	73.00	83.00
W34M2A	MW-34	11/15/2002	GROUNDWATER	131.00	141.00	53.00	63.00
W34M3A	MW-34	11/15/2002	GROUNDWATER	111.00	121.00	33.00	43.00
W35M1A	MW-35	11/18/2002	GROUNDWATER	155.00	165.00	68.00	78.00
W35M2A	MW-35	11/18/2002	GROUNDWATER	100.00	110.00	13.00	23.00
W36M1A	MW-36	11/18/2002	GROUNDWATER	151.00	161.00	74.00	84.00
W36M2A	MW-36	11/18/2002	GROUNDWATER	131.00	141.00	54.00	64.00
W42M1A	MW-42	11/20/2002	GROUNDWATER	205.00	215.00	137.00	147.00
W42M2A	MW-42	11/21/2002	GROUNDWATER	185.80	195.80	118.00	128.00
W74M1A	MW-74	11/18/2002	GROUNDWATER	170.00	180.00	76.00	86.00
W74M2A	MW-74	11/18/2002	GROUNDWATER	125.00	135.00	31.00	41.00
W74M3A	MW-74	11/19/2002	GROUNDWATER	100.00	110.00	6.00	16.00

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SAMPLING PROGRESS
11/1/2002 - 11/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W74M3D	MW-74	11/19/2002	GROUNDWATER	100.00	110.00	6.00	16.00
W75M1A	MW-75	11/18/2002	GROUNDWATER	140.00	150.00	59.00	69.00
W75M2A	MW-75	11/18/2002	GROUNDWATER	115.00	125.00	34.00	44.00
W76M1A	MW-76	11/18/2002	GROUNDWATER	125.00	135.00	58.00	68.00
W76M2A	MW-76	11/20/2002	GROUNDWATER	105.00	115.00	38.00	48.00
W76SSA	MW-76	11/18/2002	GROUNDWATER	85.00	95.00	18.00	28.00
W76SSA	MW-76	11/18/2002	GROUNDWATER	85.00	95.00	18.00	28.00
W77M1A	MW-77	11/19/2002	GROUNDWATER	180.00	190.00	98.00	108.00
W77M1D	MW-77	11/19/2002	GROUNDWATER	180.00	190.00	98.00	108.00
W77M2A	MW-77	11/19/2002	GROUNDWATER	120.00	130.00	38.00	48.00
W78M1A	MW-78	11/20/2002	GROUNDWATER	135.00	145.00	58.00	68.00
W78M2A	MW-78	11/20/2002	GROUNDWATER	115.00	125.00	38.00	48.00
W78M3A	MW-78	11/20/2002	GROUNDWATER	85.00	95.00	8.00	18.00
XXM971-A	97-1	11/14/2002	GROUNDWATER	83.00	93.00	62.00	72.00
XXM971-D	97-1	11/14/2002	GROUNDWATER	83.00	93.00	62.00	72.00
XXM972-A	97-2	11/13/2002	GROUNDWATER	75.00	85.00	53.00	63.00
XXM973-A	97-3	11/07/2002	GROUNDWATER	75.00	85.00	36.00	46.00
XXM975-A	97-5	11/07/2002	GROUNDWATER	84.00	94.00	76.00	86.00
XXWSCN-A	Schooner Pass	11/20/2002	GROUNDWATER				
XXWSCN-D	Schooner Pass	11/20/2002	GROUNDWATER				
G246DSA	MW-246	11/01/2002	PROFILE	240.00	240.00	177.30	177.30
G246DTA	MW-246	11/01/2002	PROFILE	250.00	250.00	187.30	187.30
G246DUA	MW-246	11/01/2002	PROFILE	255.00	255.00	192.30	192.30
G247DJA	MW-247	11/01/2002	PROFILE	120.00	120.00	96.39	96.39
G247DKA	MW-247	11/01/2002	PROFILE	130.00	130.00	106.39	106.39
G247DLA	MW-247	11/01/2002	PROFILE	140.00	140.00	116.39	116.39
G247DMA	MW-247	11/01/2002	PROFILE	150.00	150.00	126.39	126.39
G247DNA	MW-247	11/01/2002	PROFILE	160.00	160.00	136.39	136.39
G247DOA	MW-247	11/01/2002	PROFILE	170.00	170.00	146.39	146.39
G247DPA	MW-247	11/06/2002	PROFILE	180.00	180.00	156.39	156.39
G247DQA	MW-247	11/06/2002	PROFILE	190.00	190.00	166.39	166.39
G247DRA	MW-247	11/07/2002	PROFILE	200.00	200.00	176.39	176.39
G247DSA	MW-247	11/07/2002	PROFILE	210.00	210.00	186.39	186.39
G247DTA	MW-247	11/07/2002	PROFILE	220.00	220.00	196.39	196.39
G248DAA	MW-248	11/08/2002	PROFILE	120.00	120.00	6.80	6.80
G248DBA	MW-248	11/08/2002	PROFILE	130.00	130.00	16.80	16.80
G248DCA	MW-248	11/08/2002	PROFILE	140.00	140.00	26.80	26.80
G248DDA	MW-248	11/08/2002	PROFILE	150.00	150.00	36.80	36.80
G248DEA	MW-248	11/08/2002	PROFILE	160.00	160.00	46.80	46.80
G248DFA	MW-248	11/08/2002	PROFILE	170.00	170.00	56.80	56.80
G248DGA	MW-248	11/08/2002	PROFILE	180.00	180.00	66.80	66.80
G248DGD	MW-248	11/08/2002	PROFILE	180.00	180.00	66.80	66.80
G248DHA	MW-248	11/12/2002	PROFILE	190.00	190.00	76.80	76.80
G248DIA	MW-248	11/13/2002	PROFILE	200.00	200.00	86.80	86.80
G248DJA	MW-248	11/13/2002	PROFILE	210.00	210.00	96.80	96.80
G248DKA	MW-248	11/13/2002	PROFILE	220.00	220.00	106.80	106.80
G248DLA	MW-248	11/14/2002	PROFILE	230.00	230.00	116.80	116.80
G248DMA	MW-248	11/15/2002	PROFILE	240.00	240.00	126.80	126.80
G248DNA	MW-248	11/15/2002	PROFILE	250.00	250.00	136.80	136.80
G248DOA	MW-248	11/15/2002	PROFILE	260.00	260.00	146.80	146.80

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SAMPLING PROGRESS
11/1/2002 - 11/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G248DOA	MW-248	11/18/2002	PROFILE	260.00	260.00	146.80	146.80
G248DPA	MW-248	11/18/2002	PROFILE	270.00	270.00	156.80	156.80
G248DQA	MW-248	11/19/2002	PROFILE	280.00	280.00	166.80	166.80
G249DAA	MW-249	11/20/2002	PROFILE	150.00	150.00	8.60	8.60
G249DBA	MW-249	11/20/2002	PROFILE	160.00	160.00	18.60	18.60
G249DCA	MW-249	11/20/2002	PROFILE	170.00	170.00	28.60	28.60
G249DDA	MW-249	11/20/2002	PROFILE	180.00	180.00	38.60	38.60
G249DEA	MW-249	11/20/2002	PROFILE	190.00	190.00	48.60	48.60
G249DFA	MW-249	11/20/2002	PROFILE	200.00	200.00	58.60	58.60
G249DGA	MW-249	11/20/2002	PROFILE	210.00	210.00	68.60	68.60
G249DHA	MW-249	11/21/2002	PROFILE	220.00	220.00	78.60	78.60
G249DIA	MW-249	11/21/2002	PROFILE	230.00	230.00	88.60	88.60
G249DID	MW-249	11/21/2002	PROFILE	230.00	230.00	88.60	88.60
G249DJA	MW-249	11/21/2002	PROFILE	240.00	240.00	98.60	98.60
G249DKA	MW-249	11/21/2002	PROFILE	250.00	250.00	108.60	108.60
G249DLA	MW-249	11/21/2002	PROFILE	260.00	260.00	118.60	118.60
G249DMA	MW-249	11/21/2002	PROFILE	270.00	270.00	128.60	128.60
G249DNA	MW-249	11/21/2002	PROFILE	280.00	280.00	138.60	138.60
G249DOA	MW-249	11/22/2002	PROFILE	290.00	290.00	148.60	148.60
G249DPA	MW-249	11/25/2002	PROFILE	300.00	300.00	158.60	158.60
G250DAA	MW-250	11/19/2002	PROFILE	20.00	20.00	7.50	7.50
G250DBA	MW-250	11/19/2002	PROFILE	30.00	30.00	17.50	17.50
G250DCA	MW-250	11/19/2002	PROFILE	40.00	40.00	27.50	27.50
G250DDA	MW-250	11/19/2002	PROFILE	50.00	50.00	37.50	37.50
G250DEA	MW-250	11/19/2002	PROFILE	60.00	60.00	47.50	47.50
G250DFA	MW-250	11/19/2002	PROFILE	70.00	70.00	57.50	57.50
G250DGA	MW-250	11/20/2002	PROFILE	80.00	80.00	67.50	67.50
G250DHA	MW-250	11/20/2002	PROFILE	90.00	90.00	77.50	77.50
G250DIA	MW-250	11/20/2002	PROFILE	100.00	100.00	87.50	87.50
G250DJA	MW-250	11/20/2002	PROFILE	110.00	110.00	97.50	97.50
G250DJD	MW-250	11/20/2002	PROFILE	110.00	110.00	97.50	97.50
G250DKA	MW-250	11/20/2002	PROFILE	120.00	120.00	107.50	107.50
G250DLA	MW-250	11/20/2002	PROFILE	130.00	130.00	117.50	117.50
G250DMA	MW-250	11/20/2002	PROFILE	140.00	140.00	127.50	127.50
G250DNA	MW-250	11/20/2002	PROFILE	150.00	150.00	137.50	137.50
G250DOA	MW-250	11/20/2002	PROFILE	160.00	160.00	147.50	147.50
G250DPA	MW-250	11/20/2002	PROFILE	170.00	170.00	157.50	157.50
G250DQA	MW-250	11/21/2002	PROFILE	180.00	180.00	167.50	167.50
G250DRA	MW-250	11/21/2002	PROFILE	190.00	190.00	177.50	177.50
G250DSA	MW-250	11/21/2002	PROFILE	200.00	200.00	187.50	187.50
G250DTA	MW-250	11/21/2002	PROFILE	210.00	210.00	197.50	197.50
HC12AB1AAA	12AB	11/06/2002	SOIL GRID	0.00	2.00		
HC12AH1AAA	12AH	11/07/2002	SOIL GRID	0.00	2.00		
HC12AM1AAA	12AM	11/07/2002	SOIL GRID	0.00	2.00		
HC12AQ1AAA	12AQ	11/08/2002	SOIL GRID	0.00	2.00		
HC12AQ1AAD	12AQ	11/08/2002	SOIL GRID	0.00	2.00		
HC12AR1AAA	12AR	11/06/2002	SOIL GRID	0.00	2.00		
HC12AU1AAA	12AU	11/08/2002	SOIL GRID	0.00	2.00		
HC12BB1AAA	12BB	11/07/2002	SOIL GRID	0.00	2.00		
HC12BO1AAA	12BO	11/01/2002	SOIL GRID	0.00	0.25		

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SAMPLING PROGRESS
11/1/2002 - 11/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC12BO1AAD	12BO	11/01/2002	SOIL GRID	0.00	0.25		
HC12BO1BAA	12BO	11/01/2002	SOIL GRID	0.25	0.50		
HC12BO1CAA	12BO	11/01/2002	SOIL GRID	0.50	1.00		
HC12BP1AAA	12BP	11/01/2002	SOIL GRID	0.00	0.25		
HC12BP1BAA	12BP	11/01/2002	SOIL GRID	0.25	0.50		
HC12BP1CAA	12BP	11/01/2002	SOIL GRID	0.50	1.00		
HC12BU1AAA	12BU	11/01/2002	SOIL GRID	0.00	0.25		
HC12BU1BAA	12BU	11/01/2002	SOIL GRID	0.25	0.50		
HC12BU1CAA	12BU	11/01/2002	SOIL GRID	0.50	1.00		
HC12Y1AAA	12Y	11/07/2002	SOIL GRID	0.00	2.00		
HCA11120201BG	A11120201	11/14/2002	SOIL GRID				
HCA11120201BG	A11120201	11/14/2002	SOIL GRID	0.00	0.16		
HD102N12BAA	102N	11/05/2002	SOIL GRID	0.25	0.50		
HD102N12BAD	102N	11/05/2002	SOIL GRID	0.25	0.50		
HD102N13BAA	102N	11/05/2002	SOIL GRID	0.25	0.50		
HD102N14BAA	102N	11/05/2002	SOIL GRID	0.25	0.50		
HD102N15BAA	102N	11/05/2002	SOIL GRID	0.25	0.50		
HD12AB1AAA	12AB	11/06/2002	SOIL GRID	0.00	2.00		
HD12AB2AAA	12AB	11/06/2002	SOIL GRID	0.00	2.00		
HD12AB3AAA	12AB	11/06/2002	SOIL GRID	0.00	2.00		
HD12AB4AAA	12AB	11/06/2002	SOIL GRID	0.00	2.00		
HD12AB5AAA	12AB	11/06/2002	SOIL GRID	0.00	2.00		
HD12AH1AAA	12AH	11/07/2002	SOIL GRID	0.00	2.00		
HD12AH2AAA	12AH	11/07/2002	SOIL GRID	0.00	2.00		
HD12AH3AAA	12AH	11/07/2002	SOIL GRID	0.00	2.00		
HD12AH4AAA	12AH	11/07/2002	SOIL GRID	0.00	2.00		
HD12AH5AAA	12AH	11/07/2002	SOIL GRID	0.00	2.00		
HD12AM1AAA	12AM	11/07/2002	SOIL GRID	0.00	2.00		
HD12AM2AAA	12AM	11/07/2002	SOIL GRID	0.00	2.00		
HD12AM3AAA	12AM	11/07/2002	SOIL GRID	0.00	2.00		
HD12AM4AAA	12AM	11/07/2002	SOIL GRID	0.00	2.00		
HD12AM5AAA	12AM	11/07/2002	SOIL GRID	0.00	2.00		
HD12AQ1AAA	12AQ	11/08/2002	SOIL GRID	0.00	2.00		
HD12AQ1AAD	12AQ	11/08/2002	SOIL GRID	0.00	2.00		
HD12AQ2AAA	12AQ	11/08/2002	SOIL GRID	0.00	2.00		
HD12AQ2AAD	12AQ	11/08/2002	SOIL GRID	0.00	2.00		
HD12AQ3AAA	12AQ	11/08/2002	SOIL GRID	0.00	2.00		
HD12AQ3AAD	12AQ	11/08/2002	SOIL GRID	0.00	2.00		
HD12AQ4AAA	12AQ	11/08/2002	SOIL GRID	0.00	2.00		
HD12AQ4AAD	12AQ	11/08/2002	SOIL GRID	0.00	2.00		
HD12AQ5AAA	12AQ	11/08/2002	SOIL GRID	0.00	2.00		
HD12AQ5AAD	12AQ	11/08/2002	SOIL GRID	0.00	2.00		
HD12AR1AAA	12AR	11/06/2002	SOIL GRID	0.00	2.00		
HD12AR2AAA	12AR	11/06/2002	SOIL GRID	0.00	2.00		
HD12AR3AAA	12AR	11/06/2002	SOIL GRID	0.00	2.00		
HD12AR4AAA	12AR	11/06/2002	SOIL GRID	0.00	2.00		
HD12AR5AAA	12AR	11/06/2002	SOIL GRID	0.00	2.00		
HD12AU1AAA	12AU	11/08/2002	SOIL GRID	0.00	2.00		
HD12AU2AAA	12AU	11/08/2002	SOIL GRID	0.00	2.00		
HD12AU3AAA	12AU	11/08/2002	SOIL GRID	0.00	2.00		

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
11/1/2002 - 11/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD12AU4AAA	12AU	11/08/2002	SOIL GRID	0.00	2.00		
HD12AU5AAA	12AU	11/08/2002	SOIL GRID	0.00	2.00		
HD12BB1AAA	12BB	11/07/2002	SOIL GRID	0.00	2.00		
HD12BB2AAA	12BB	11/07/2002	SOIL GRID	0.00	2.00		
HD12BB3AAA	12BB	11/07/2002	SOIL GRID	0.00	2.00		
HD12BB4AAA	12BB	11/07/2002	SOIL GRID	0.00	2.00		
HD12BB5AAA	12BB	11/07/2002	SOIL GRID	0.00	2.00		
HD12Y1AAA	12Y	11/07/2002	SOIL GRID	0.00	2.00		
HD12Y2AAA	12Y	11/07/2002	SOIL GRID	0.00	2.00		
HD12Y3AAA	12Y	11/07/2002	SOIL GRID	0.00	2.00		
HD12Y4AAA	12Y	11/07/2002	SOIL GRID	0.00	2.00		
HD12Y5AAA	12Y	11/07/2002	SOIL GRID	0.00	2.00		
HDA11120201AA	A11120201	11/15/2002	SOIL GRID	0.00	0.16		
J2.A.T2P.015.1.0	J2.A.T2P.015	11/25/2002	SOIL GRID				
J2.A.T2P.015.2.0	J2.A.T2P.015	11/26/2002	SOIL GRID				

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 NOVEMBER 2002

Tuesday, November 26, 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
ECMWSNP02	ECMWSNP02D	09/13/1999	504	1,2-DIBROMOETHANE (ETHYL	0.11		UG/L	4.30	9.30	0.05	X
MW-41	W41M1A	05/18/2000	8151	PENTACHLOROPHENOL	1.80	J	UG/L	108.00	118.00	1.00	X
MW-1	W01SSA	12/12/2000	8321	HEXAHYDRO-1,3,5-TRINITRO-1	5.50		UG/L	0.00	10.00	2.00	X
MW-1	W01SSD	12/12/2000	8321	HEXAHYDRO-1,3,5-TRINITRO-1	5.30		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	12/08/2000	8321	HEXAHYDRO-1,3,5-TRINITRO-1	45.00	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	06/18/2001	8321NX	1,3-DINITROBENZENE	3.50		UG/L	0.00	10.00	1.00	X
MW-19	W19SSA	06/18/2001	8321NX	2,4,6-TRINITROTOLUENE	5.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	06/18/2001	8321NX	HEXAHYDRO-1,3,5-TRINITRO-1	220.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	06/18/2001	8321NX	HEXAHYDRO-1,3,5-TRINITRO-1	230.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	06/18/2001	8321NX	NITROGLYCERIN	80.00		UG/L	0.00	10.00	5.00	X
58MW0009E	WC9EXA	10/02/1997	8330	HEXAHYDRO-1,3,5-TRINITRO-1	7.70		UG/L	6.50	11.50	2.00	X
MW-1	W01SSA	09/30/1997	8330	HEXAHYDRO-1,3,5-TRINITRO-1	2.50		UG/L	0.00	10.00	2.00	X
MW-1	W01SSD	09/30/1997	8330	HEXAHYDRO-1,3,5-TRINITRO-1	2.40		UG/L	0.00	10.00	2.00	X
MW-1	W01MMA	09/29/1997	8330	HEXAHYDRO-1,3,5-TRINITRO-1	4.60		UG/L	44.00	49.00	2.00	X
MW-25	W25SSA	10/16/1997	8330	HEXAHYDRO-1,3,5-TRINITRO-1	2.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	03/05/1998	8330N	2,4,6-TRINITROTOLUENE	10.00	J	UG/L	0.00	10.00	2.00	X
MW-19	W19S2A	07/20/1998	8330N	2,4,6-TRINITROTOLUENE	16.00		UG/L	0.00	10.00	2.00	X
MW-19	W19S2D	07/20/1998	8330N	2,4,6-TRINITROTOLUENE	16.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	02/12/1999	8330N	2,4,6-TRINITROTOLUENE	7.20	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	09/10/1999	8330N	2,4,6-TRINITROTOLUENE	2.60	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	05/12/2000	8330N	2,4,6-TRINITROTOLUENE	3.70	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	05/23/2000	8330N	2,4,6-TRINITROTOLUENE	3.90	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	08/08/2000	8330N	2,4,6-TRINITROTOLUENE	2.00	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	12/08/2000	8330N	2,4,6-TRINITROTOLUENE	2.30	J	UG/L	0.00	10.00	2.00	X
MW-196	W196SSA	02/07/2002	8330N	2,4,6-TRINITROTOLUENE	12.00		UG/L	0.00	5.00	2.00	X
MW-196	W196SSA	07/12/2002	8330N	2,4,6-TRINITROTOLUENE	10.00		UG/L	0.00	5.00	2.00	X
MW-31	W31SSA	05/15/2000	8330N	2,4,6-TRINITROTOLUENE	3.30		UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	08/09/2000	8330N	2,4,6-TRINITROTOLUENE	3.90	J	UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	12/08/2000	8330N	2,4,6-TRINITROTOLUENE	5.20	J	UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	05/02/2001	8330N	2,4,6-TRINITROTOLUENE	5.20		UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	08/07/2002	8330N	2,4,6-TRINITROTOLUENE	5.90		UG/L	13.00	18.00	2.00	X
MW-31	W31MMA	05/23/2001	8330N	2,4,6-TRINITROTOLUENE	5.20		UG/L	28.00	38.00	2.00	X
MW-31	W31DDA	08/09/2000	8330N	2,4,6-TRINITROTOLUENE	3.90	J	UG/L	48.00	53.00	2.00	X

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

TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH NOVEMBER 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-45	W45SSA	08/23/2001	8330N	2,6-DINITROTOLUENE	8.30	J	UG/L	0.00	10.00	5.00	X
58MW0001	58MW0001	05/29/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.80		UG/L	0.00	5.00	2.00	X
58MW0001	58MW0001	08/29/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.50		UG/L	0.00	5.00	2.00	X
58MW0001	58MW0001-D	08/29/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.40		UG/L	0.00	5.00	2.00	X
58MW0001	58MW0001	05/31/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.00		UG/L	0.00	5.00	2.00	X
58MW0002	WC2XXA	02/26/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	19.00		UG/L	0.00	5.00	2.00	X
58MW0002	WC2XXA	01/14/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	20.00		UG/L	0.00	5.00	2.00	X
58MW0002	WC2XXA	10/08/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	8.80		UG/L	0.00	5.00	2.00	X
58MW0002	58MW0002	05/23/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	13.00		UG/L	0.00	5.00	2.00	X
58MW0002	58MW0002	09/19/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	15.00		UG/L	0.00	5.00	2.00	X
58MW0002	58MW0002	05/31/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	16.00		UG/L	0.00	5.00	2.00	X
58MW0009E	WC9EXA	01/26/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	17.00		UG/L	6.50	11.50	2.00	X
58MW0009E	WC9EXA	09/28/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	18.00		UG/L	6.50	11.50	2.00	X
58MW0009E	WC9EXD	09/28/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	18.00		UG/L	6.50	11.50	2.00	X
58MW0009E	58MW0009E	05/23/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	8.40		UG/L	6.50	11.50	2.00	X
58MW0009E	58MW0009E	08/29/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	12.00		UG/L	6.50	11.50	2.00	X
58MW0009E	58MW0009E	06/03/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	14.00		UG/L	6.50	11.50	2.00	X
58MW0011D	58MW0011D	05/24/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	7.30		UG/L	49.50	54.50	2.00	X
58MW0011D	58MW0011D	09/26/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.50		UG/L	49.50	54.50	2.00	X
58MW0011D	58MW0011D	06/03/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.50		UG/L	49.50	54.50	2.00	X
58MW0016	58MW0016C	08/30/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.80		UG/L	0.00	10.00	2.00	X
58MW0016	58MW0016C	06/04/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.30		UG/L	0.00	10.00	2.00	X
58MW0016	58MW0016B	08/30/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.30		UG/L	28.50	38.50	2.00	X
90MW0022	WF22XA	01/26/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.80		UG/L	72.79	77.79	2.00	X
90MW0022	WF22XA	02/16/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.40		UG/L	72.79	77.79	2.00	X
90MW0022	WF22XA	09/30/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.20		UG/L	72.79	77.79	2.00	X
90MW0054	90MW0054	12/08/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.10		UG/L	91.83	96.83	2.00	X
90MW0054	90MW0054	04/20/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.70		UG/L	91.83	96.83	2.00	X
90WT0013	WF13XA	01/16/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.20	J	UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	02/22/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.80		UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	09/07/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.50		UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	05/31/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.10	J	UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	07/31/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.80	J	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 NOVEMBER 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-1	W01SSA	11/18/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.20		UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	12/12/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.10	J	UG/L	0.00	10.00	2.00	X
MW-1	W01SSD	12/12/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.40		UG/L	0.00	10.00	2.00	X
MW-1	W01M2A	03/01/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.20		UG/L	44.00	49.00	2.00	X
MW-1	W01M2A	05/10/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.90		UG/L	44.00	49.00	2.00	X
MW-1	W01M2A	07/31/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.40	J	UG/L	44.00	49.00	2.00	X
MW-1	W01M2A	11/18/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	8.10		UG/L	44.00	49.00	2.00	X
MW-1	W01M2D	11/18/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	8.00		UG/L	44.00	49.00	2.00	X
MW-1	W01M2A	05/01/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	7.80		UG/L	44.00	49.00	2.00	X
MW-1	W01M2A	05/22/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.40		UG/L	44.00	49.00	2.00	X
MW-100	W100M1A	06/06/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.30		UG/L	45.00	55.00	2.00	X
MW-100	W100M1D	06/06/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.30		UG/L	45.00	55.00	2.00	X
MW-100	W100M1A	10/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.90		UG/L	45.00	55.00	2.00	X
MW-100	W100M1A	01/27/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.90		UG/L	45.00	55.00	2.00	X
MW-100	W100M1A	10/23/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.90		UG/L	45.00	55.00	2.00	X
MW-100	W100M1D	10/23/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.90		UG/L	45.00	55.00	2.00	X
MW-100	W100M1A	11/27/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.00		UG/L	45.00	55.00	2.00	X
MW-100	W100M1A	05/21/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.10		UG/L	45.00	55.00	2.00	X
MW-101	W101M1A	06/06/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.50		UG/L	27.00	37.00	2.00	X
MW-101	W101M1A	10/23/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.30		UG/L	27.00	37.00	2.00	X
MW-101	W101M1A	11/27/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.00		UG/L	27.00	37.00	2.00	X
MW-101	W101M1A	05/21/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.20		UG/L	27.00	37.00	2.00	X
MW-105	W105M1A	06/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.90		UG/L	78.00	88.00	2.00	X
MW-105	W105M1A	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.90		UG/L	78.00	88.00	2.00	X
MW-105	W105M1A	01/27/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.30		UG/L	78.00	88.00	2.00	X
MW-105	W105M1A	10/22/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.10	J	UG/L	78.00	88.00	2.00	X
MW-105	W105M1A	11/26/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.10		UG/L	78.00	88.00	2.00	X
MW-105	W105M1A	05/21/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.30		UG/L	78.00	88.00	2.00	X
MW-107	W107M2A	06/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.00		UG/L	5.00	15.00	2.00	X
MW-107	W107M2A	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.10		UG/L	5.00	15.00	2.00	X
MW-107	W107M2A	10/22/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.40		UG/L	5.00	15.00	2.00	X
MW-107	W107M2A	11/29/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.20	J	UG/L	5.00	15.00	2.00	X
MW-107	W107M2D	11/29/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.20	J	UG/L	5.00	15.00	2.00	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH NOVEMBER 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-111	W111M3A	10/10/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.20		UG/L	33.00	43.00	2.00	X
MW-113	W113M2A	09/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	9.20		UG/L	48.00	58.00	2.00	X
MW-113	W113M2A	01/15/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	11.00		UG/L	48.00	58.00	2.00	X
MW-113	W113M2A	04/30/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	15.00		UG/L	48.00	58.00	2.00	X
MW-113	W113M2A	12/03/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	12.00		UG/L	48.00	58.00	2.00	X
MW-113	W113M2A	05/09/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	7.00		UG/L	48.00	58.00	2.00	X
MW-114	W114M2A	10/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	140.00		UG/L	39.00	49.00	2.00	X
MW-114	W114M2D	10/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	140.00		UG/L	39.00	49.00	2.00	X
MW-114	W114M2A	03/14/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	120.00	J	UG/L	39.00	49.00	2.00	X
MW-114	W114M2A	06/19/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	140.00		UG/L	39.00	49.00	2.00	X
MW-114	W114M2A	01/07/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	170.00		UG/L	39.00	49.00	2.00	X
MW-114	W114M2A	08/09/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	210.00		UG/L	39.00	49.00	2.00	X
MW-114	W114M1A	03/14/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.00	J	UG/L	96.00	106.00	2.00	X
MW-114	W114M1A	12/21/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.30		UG/L	96.00	106.00	2.00	X
MW-114	W114M1A	08/09/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.50		UG/L	96.00	106.00	2.00	X
MW-129	W129M2A	12/21/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	10.00		UG/L	46.00	56.00	2.00	X
MW-129	W129M2A	06/27/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	7.60		UG/L	46.00	56.00	2.00	X
MW-129	W129M2D	06/27/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	7.90		UG/L	46.00	56.00	2.00	X
MW-129	W129M2A	08/19/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	8.40		UG/L	46.00	56.00	2.00	X
MW-132	W132SSA	11/09/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.50	J	UG/L	0.00	10.00	2.00	X
MW-132	W132SSA	02/16/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.40	J	UG/L	0.00	10.00	2.00	X
MW-132	W132SSA	12/12/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.80		UG/L	0.00	10.00	2.00	X
MW-147	W147M2A	02/23/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.00		UG/L	77.00	87.00	2.00	X
MW-147	W147M2A	10/24/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.90		UG/L	77.00	87.00	2.00	X
MW-147	W147M2A	04/29/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.30		UG/L	77.00	87.00	2.00	X
MW-147	W147M2D	04/29/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.30		UG/L	77.00	87.00	2.00	X
MW-147	W147M1A	02/23/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.70		UG/L	94.00	104.00	2.00	X
MW-147	W147M1A	06/19/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.20		UG/L	94.00	104.00	2.00	X
MW-147	W147M1A	04/29/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.10		UG/L	94.00	104.00	2.00	X
MW-153	W153M1A	03/23/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	9.20		UG/L	108.00	118.00	2.00	X
MW-153	W153M1A	07/24/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	8.80		UG/L	108.00	118.00	2.00	X
MW-153	W153M1A	10/24/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	7.80		UG/L	108.00	118.00	2.00	X
MW-153	W153M1A	04/26/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.70	J	UG/L	108.00	118.00	2.00	X

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

TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH NOVEMBER 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-160	W160SSA	01/23/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.20	J	UG/L	5.00	15.00	2.00	X
MW-163	W163SSA	06/14/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.70		UG/L	0.00	10.00	2.00	X
MW-163	W163SSA	10/10/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.80		UG/L	0.00	10.00	2.00	X
MW-163	W163SSA	02/05/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.10		UG/L	0.00	10.00	2.00	X
MW-163	W163SSA	03/07/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.20		UG/L	0.00	10.00	2.00	X
MW-163	W163SSA	07/02/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	13.00		UG/L	0.00	10.00	2.00	X
MW-164	W164M2A	05/25/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	12.00		UG/L	49.00	59.00	2.00	X
MW-164	W164M2A	08/21/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	8.00		UG/L	49.00	59.00	2.00	X
MW-164	W164M2A	01/17/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.60		UG/L	49.00	59.00	2.00	X
MW-164	W164M2A	06/20/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	7.10		UG/L	49.00	59.00	2.00	X
MW-165	W165M2A	05/08/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	60.00		UG/L	46.00	56.00	2.00	X
MW-165	W165M2A	08/16/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	50.00		UG/L	46.00	56.00	2.00	X
MW-165	W165M2A	01/07/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	27.00	J	UG/L	46.00	56.00	2.00	X
MW-165	W165M2A	08/10/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	23.00		UG/L	46.00	56.00	2.00	X
MW-166	W166M3A	06/01/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.30		UG/L	19.00	29.00	2.00	X
MW-166	W166M3A	10/04/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.90		UG/L	19.00	29.00	2.00	X
MW-166	W166M3A	01/17/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.10		UG/L	19.00	29.00	2.00	X
MW-166	W166M1A	05/31/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.70		UG/L	112.00	117.00	2.00	X
MW-166	W166M1A	10/04/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.40		UG/L	112.00	117.00	2.00	X
MW-166	W166M1A	01/16/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.40		UG/L	112.00	117.00	2.00	X
MW-171	W171M2A	05/31/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.10		UG/L	83.00	88.00	2.00	X
MW-171	W171M2A	12/21/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.60		UG/L	83.00	88.00	2.00	X
MW-178	W178M1A	10/31/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.80		UG/L	117.00	127.00	2.00	X
MW-178	W178M1A	03/08/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.60	J	UG/L	117.00	127.00	2.00	X
MW-178	W178M1A	07/26/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.30		UG/L	117.00	127.00	2.00	X
MW-184	W184M1A	01/24/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	23.00		UG/L	58.20	68.20	2.00	X
MW-184	W184M1A	06/21/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	24.00		UG/L	58.20	68.20	2.00	X
MW-184	W184M1A	09/18/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	24.00		UG/L	58.20	68.20	2.00	X
MW-184	W184M1D	09/18/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	24.00		UG/L	58.20	68.20	2.00	X
MW-19	W19SSA	03/05/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	190.00		UG/L	0.00	10.00	2.00	X
MW-19	W19S2A	07/20/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	260.00		UG/L	0.00	10.00	2.00	X
MW-19	W19S2D	07/20/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	260.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	02/12/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	250.00		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 NOVEMBER 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-19	W19SSA	09/10/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	240.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	05/12/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	150.00	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	05/23/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	160.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	08/08/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	290.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	12/08/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	200.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	08/07/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	99.00		UG/L	0.00	10.00	2.00	X
MW-191	W191M2A	01/25/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.10	J	UG/L	8.40	18.40	2.00	X
MW-196	W196SSA	07/12/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.60	J	UG/L	0.00	5.00	2.00	X
MW-198	W198M4A	02/21/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	12.00		UG/L	48.40	53.40	2.00	X
MW-198	W198M4A	07/19/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	7.00		UG/L	48.40	53.40	2.00	X
MW-198	W198M3A	07/22/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	10.00		UG/L	78.50	83.50	2.00	X
MW-2	W02M2A	01/20/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	13.00		UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	02/03/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.80		UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	09/03/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.80		UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	05/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.30	J	UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	08/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.10		UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	11/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.10		UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	05/03/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.10		UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	08/21/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.50		UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	11/19/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.00		UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	05/01/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.00	J	UG/L	33.00	38.00	2.00	X
MW-2	W02M1A	08/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.10		UG/L	75.00	80.00	2.00	X
MW-201	W201M2A	03/13/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.10	J	UG/L	86.90	96.90	2.00	X
MW-201	W201M2A	07/18/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.40		UG/L	86.90	96.90	2.00	X
MW-204	W204M2A	07/29/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.60		UG/L	17.20	27.20	2.00	X
MW-204	W204M1A	04/10/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.60		UG/L	81.00	91.00	2.00	X
MW-204	W204M1A	07/29/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.30		UG/L	81.00	91.00	2.00	X
MW-204	W204M1D	07/29/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.00		UG/L	81.00	91.00	2.00	X
MW-206	W206M1A	07/18/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.60		UG/L	19.57	29.57	2.00	X
MW-207	W207M1A	04/16/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	18.00		UG/L	100.52	110.52	2.00	X
MW-207	W207M1A	07/26/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	18.00		UG/L	100.52	110.52	2.00	X
MW-207	W207M1D	07/26/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	18.00		UG/L	100.52	110.52	2.00	X
MW-209	W209M1A	04/30/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.40		UG/L	121.00	131.00	2.00	X

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1997 THROUGH NOVEMBER 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-209	W209M1A	07/26/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.50		UG/L	121.00	131.00	2.00	X
MW-215	W215M2A	08/01/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.10		UG/L	98.90	108.90	2.00	X
MW-227	W227M2A	08/06/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	11.00		UG/L	56.38	66.38	2.00	X
MW-23	W23M1A	11/07/1997	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.30	J	UG/L	103.00	113.00	2.00	X
MW-23	W23M1A	03/18/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.40		UG/L	103.00	113.00	2.00	X
MW-23	W23M1D	03/18/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.70		UG/L	103.00	113.00	2.00	X
MW-23	W23M1A	09/13/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.10		UG/L	103.00	113.00	2.00	X
MW-23	W23M1A	05/12/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.60	J	UG/L	103.00	113.00	2.00	X
MW-23	W23M1A	08/08/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.30		UG/L	103.00	113.00	2.00	X
MW-23	W23M1A	12/04/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.00		UG/L	103.00	113.00	2.00	X
MW-23	W23M1D	12/04/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.20		UG/L	103.00	113.00	2.00	X
MW-23	W23M1A	04/27/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.90		UG/L	103.00	113.00	2.00	X
MW-23	W23M1A	05/09/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.50		UG/L	103.00	113.00	2.00	X
MW-23	W23M1D	05/09/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.50		UG/L	103.00	113.00	2.00	X
MW-25	W25SSA	03/17/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.10		UG/L	0.00	10.00	2.00	X
MW-31	W31SSA	07/15/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	64.00		UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	02/01/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	210.00		UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	09/15/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	50.00		UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	05/15/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	110.00		UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	08/09/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	140.00		UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	12/08/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	120.00		UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	05/02/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	81.00		UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	08/07/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	85.00		UG/L	13.00	18.00	2.00	X
MW-31	W31MMA	07/15/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	280.00		UG/L	28.00	38.00	2.00	X
MW-31	W31MMA	02/02/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	370.00		UG/L	28.00	38.00	2.00	X
MW-31	W31MMA	09/15/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	29.00		UG/L	28.00	38.00	2.00	X
MW-31	W31M1A	05/15/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	19.00		UG/L	28.00	38.00	2.00	X
MW-31	W31M1A	08/09/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	14.00		UG/L	28.00	38.00	2.00	X
MW-31	W31MMA	05/23/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	70.00		UG/L	28.00	38.00	2.00	X
MW-31	W31MMA	08/07/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	7.80		UG/L	28.00	38.00	2.00	X
MW-31	W31DDA	08/09/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	150.00		UG/L	48.00	53.00	2.00	X
MW-34	W34M2A	02/19/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.20		UG/L	53.00	63.00	2.00	X
MW-34	W34M2A	05/18/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.70		UG/L	53.00	63.00	2.00	X

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

TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH NOVEMBER 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-34	W34M2A	08/10/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.10		UG/L	53.00	63.00	2.00	X
MW-34	W34M2A	11/17/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.50		UG/L	53.00	63.00	2.00	X
MW-34	W34M1A	05/17/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.20		UG/L	73.00	83.00	2.00	X
MW-34	W34M1A	08/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.00		UG/L	73.00	83.00	2.00	X
MW-34	W34M1A	11/17/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.50		UG/L	73.00	83.00	2.00	X
MW-37	W37M2A	09/29/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.90		UG/L	26.00	36.00	2.00	X
MW-37	W37M2A	12/29/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.60		UG/L	26.00	36.00	2.00	X
MW-37	W37M2A	03/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.10		UG/L	26.00	36.00	2.00	X
MW-37	W37M2A	08/31/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.80	J	UG/L	26.00	36.00	2.00	X
MW-37	W37M2A	11/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.40		UG/L	26.00	36.00	2.00	X
MW-37	W37M2D	11/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.40		UG/L	26.00	36.00	2.00	X
MW-37	W37M2A	06/11/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.00		UG/L	26.00	36.00	2.00	X
MW-37	W37M2D	06/11/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.00		UG/L	26.00	36.00	2.00	X
MW-38	W38M3A	05/06/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.50		UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	08/18/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.60		UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	11/10/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.00		UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	05/16/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.90	J	UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	08/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.60		UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	11/20/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.40		UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	04/30/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.30	J	UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	08/14/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.00		UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	11/29/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.10	J	UG/L	52.00	62.00	2.00	X
MW-38	W38M3D	11/29/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.00	J	UG/L	52.00	62.00	2.00	X
MW-40	W40M1A	09/21/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.80		UG/L	13.00	23.00	2.00	X
MW-40	W40M1D	09/21/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.60		UG/L	13.00	23.00	2.00	X
MW-40	W40M1A	12/30/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.00	J	UG/L	13.00	23.00	2.00	X
MW-40	W40M1A	04/14/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.00	J	UG/L	13.00	23.00	2.00	X
MW-40	W40M1A	09/01/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.40	J	UG/L	13.00	23.00	2.00	X
MW-40	W40M1A	11/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.50		UG/L	13.00	23.00	2.00	X
MW-40	W40M1A	06/02/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.10		UG/L	13.00	23.00	2.00	X
MW-40	W40M1A	08/16/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.90		UG/L	13.00	23.00	2.00	X
MW-40	W40M1A	11/29/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.10	J	UG/L	13.00	23.00	2.00	X
MW-58	W58SSA	11/23/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.70	J	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 NOVEMBER 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-58	W58SSA	02/15/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.00		UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	05/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	7.40	J	UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	09/05/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.10		UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	12/20/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.10		UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	06/14/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.30		UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	08/22/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.40		UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	12/12/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.80		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	07/09/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	50.00	J	UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	09/16/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	63.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	11/02/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	57.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	06/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	44.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	09/05/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	29.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	11/14/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	28.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSD	11/14/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	29.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	06/14/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	22.00		UG/L	0.00	10.00	2.00	X
MW-76	W76SSA	01/20/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	11.00		UG/L	18.00	28.00	2.00	X
MW-76	W76SSA	05/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	7.50	J	UG/L	18.00	28.00	2.00	X
MW-76	W76SSA	08/01/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.10		UG/L	18.00	28.00	2.00	X
MW-76	W76SSA	05/07/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.10		UG/L	18.00	28.00	2.00	X
MW-76	W76SSA	08/20/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	31.00	J	UG/L	18.00	28.00	2.00	X
MW-76	W76M2A	01/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	31.00		UG/L	38.00	48.00	2.00	X
MW-76	W76M2D	01/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	29.00		UG/L	38.00	48.00	2.00	X
MW-76	W76M2A	05/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	37.00	J	UG/L	38.00	48.00	2.00	X
MW-76	W76M2A	08/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	31.00		UG/L	38.00	48.00	2.00	X
MW-76	W76M2A	12/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	46.00		UG/L	38.00	48.00	2.00	X
MW-76	W76M2A	05/07/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	56.00		UG/L	38.00	48.00	2.00	X
MW-76	W76M2A	08/19/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	160.00	J	UG/L	38.00	48.00	2.00	X
MW-76	W76M1A	12/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.30		UG/L	58.00	68.00	2.00	X
MW-76	W76M1A	05/07/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	28.00		UG/L	58.00	68.00	2.00	X
MW-76	W76M1A	08/19/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	14.00	J	UG/L	58.00	68.00	2.00	X
MW-77	W77M2A	01/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	150.00		UG/L	38.00	48.00	2.00	X
MW-77	W77M2A	05/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	100.00	J	UG/L	38.00	48.00	2.00	X
MW-77	W77M2A	08/01/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	97.00	J	UG/L	38.00	48.00	2.00	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH NOVEMBER 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-77	W77M2A	12/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	93.00		UG/L	38.00	48.00	2.00	X
MW-77	W77M2A	05/10/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	39.00		UG/L	38.00	48.00	2.00	X
MW-77	W77M2A	08/07/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.00		UG/L	38.00	48.00	2.00	X
MW-85	W85M1A	05/22/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	29.00		UG/L	22.00	32.00	2.00	X
MW-85	W85M1A	02/10/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	24.00		UG/L	22.00	32.00	2.00	X
MW-85	W85M1A	06/16/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	27.00		UG/L	22.00	32.00	2.00	X
MW-85	W85M1A	09/26/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	13.00		UG/L	22.00	32.00	2.00	X
MW-85	W85M1A	12/15/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	19.00		UG/L	22.00	32.00	2.00	X
MW-85	W85M1A	05/22/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	7.00		UG/L	22.00	32.00	2.00	X
MW-86	W86SSA	04/28/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.50	J	UG/L	1.00	11.00	2.00	X
MW-86	W86M2A	09/27/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.00		UG/L	16.00	26.00	2.00	X
MW-86	W86M2A	11/30/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.70		UG/L	16.00	26.00	2.00	X
MW-86	W86M2A	05/16/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.10		UG/L	16.00	26.00	2.00	X
MW-87	W87M1A	04/28/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.50	J	UG/L	62.00	72.00	2.00	X
MW-87	W87M1A	09/14/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.00		UG/L	62.00	72.00	2.00	X
MW-87	W87M1A	01/10/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.60		UG/L	62.00	72.00	2.00	X
MW-87	W87M1A	09/27/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.00		UG/L	62.00	72.00	2.00	X
MW-87	W87M1A	12/03/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.20		UG/L	62.00	72.00	2.00	X
MW-87	W87M1A	05/17/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.20		UG/L	62.00	72.00	2.00	X
MW-88	W88M2A	05/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	7.00		UG/L	72.00	82.00	2.00	X
MW-88	W88M2A	09/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	7.70		UG/L	72.00	82.00	2.00	X
MW-88	W88M2A	01/10/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.80		UG/L	72.00	82.00	2.00	X
MW-88	W88M2A	09/28/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.40		UG/L	72.00	82.00	2.00	X
MW-88	W88M2A	12/04/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.50		UG/L	72.00	82.00	2.00	X
MW-88	W88M2A	05/17/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.10		UG/L	72.00	82.00	2.00	X
MW-89	W89M2A	05/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	8.30		UG/L	72.00	82.00	2.00	X
MW-89	W89M2A	09/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	8.30		UG/L	72.00	82.00	2.00	X
MW-89	W89M2A	01/11/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	7.50		UG/L	72.00	82.00	2.00	X
MW-89	W89M2A	10/03/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.80		UG/L	72.00	82.00	2.00	X
MW-89	W89M2D	10/03/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.90		UG/L	72.00	82.00	2.00	X
MW-89	W89M2A	12/03/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.90		UG/L	72.00	82.00	2.00	X
MW-89	W89M2A	05/17/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.00		UG/L	72.00	82.00	2.00	X
MW-89	W89M1A	09/28/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.10		UG/L	92.00	102.00	2.00	X

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TABLE 3
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1997 THROUGH NOVEMBER 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-89	W89M1A	12/04/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.40		UG/L	92.00	102.00	2.00	X
MW-89	W89M1A	05/17/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.30		UG/L	92.00	102.00	2.00	X
MW-90	W90SSA	05/19/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.40	J	UG/L	0.00	10.00	2.00	X
MW-90	W90M1A	10/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.40		UG/L	27.00	37.00	2.00	X
MW-91	W91SSA	05/19/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	12.00		UG/L	0.00	10.00	2.00	X
MW-91	W91SSA	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	13.00		UG/L	0.00	10.00	2.00	X
MW-91	W91SSA	01/20/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	12.00		UG/L	0.00	10.00	2.00	X
MW-91	W91SSA	10/09/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	14.00		UG/L	0.00	10.00	2.00	X
MW-91	W91SSA	12/20/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	20.00		UG/L	0.00	10.00	2.00	X
MW-91	W91SSA	05/20/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	17.00		UG/L	0.00	10.00	2.00	X
MW-91	W91M1A	05/22/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	18.00		UG/L	45.00	55.00	2.00	X
MW-91	W91M1A	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	11.00		UG/L	45.00	55.00	2.00	X
MW-91	W91M1D	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	11.00		UG/L	45.00	55.00	2.00	X
MW-91	W91M1A	01/20/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	12.00		UG/L	45.00	55.00	2.00	X
MW-91	W91M1A	10/03/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	13.00	J	UG/L	45.00	55.00	2.00	X
MW-91	W91M1A	11/29/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	10.00	J	UG/L	45.00	55.00	2.00	X
MW-91	W91M1A	05/20/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.30		UG/L	45.00	55.00	2.00	X
MW-91	W91M1D	05/20/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.50		UG/L	45.00	55.00	2.00	X
MW-93	W93M2A	05/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.20		UG/L	16.00	26.00	2.00	X
MW-93	W93M2A	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.20		UG/L	16.00	26.00	2.00	X
MW-93	W93M2A	01/20/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.10	J	UG/L	16.00	26.00	2.00	X
MW-93	W93M2A	10/03/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	9.90		UG/L	16.00	26.00	2.00	X
MW-93	W93M2A	11/28/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	12.00		UG/L	16.00	26.00	2.00	X
MW-93	W93M2A	05/20/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	8.70		UG/L	16.00	26.00	2.00	X
MW-93	W93M1A	05/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.20	J	UG/L	56.00	66.00	2.00	X
MW-93	W93M1A	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.50		UG/L	56.00	66.00	2.00	X
MW-93	W93M1A	01/22/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.40	J	UG/L	56.00	66.00	2.00	X
MW-93	W93M1D	01/22/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.40		UG/L	56.00	66.00	2.00	X
MW-93	W93M1A	10/03/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.20		UG/L	56.00	66.00	2.00	X
MW-93	W93M1A	11/28/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.80		UG/L	56.00	66.00	2.00	X
MW-93	W93M1A	05/20/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.60		UG/L	56.00	66.00	2.00	X
MW-95	W95M1A	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.20		UG/L	78.00	88.00	2.00	X
MW-95	W95M1A	10/01/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.20		UG/L	78.00	88.00	2.00	X

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

TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH NOVEMBER 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-95	W95M1A	12/15/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.20		UG/L	78.00	88.00	2.00	X
MW-95	W95M1A	05/20/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.10		UG/L	78.00	88.00	2.00	X
MW-95	W95M1D	05/20/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.20		UG/L	78.00	88.00	2.00	X
MW-98	W98M1A	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.10		UG/L	26.00	36.00	2.00	X
MW-99	W99M1A	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.90		UG/L	60.00	70.00	2.00	X
MW-99	W99M1D	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.90		UG/L	60.00	70.00	2.00	X
MW-99	W99M1A	09/29/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.00		UG/L	60.00	70.00	2.00	X
MW-99	W99M1A	01/13/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.20		UG/L	60.00	70.00	2.00	X
OW-1	WOW-1A	11/15/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.30		UG/L	0.00	10.00	2.00	X
OW-1	WOW-1A	05/21/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.20		UG/L	0.00	10.00	2.00	X
OW-1	WOW-1D	05/21/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.50		UG/L	0.00	10.00	2.00	X
OW-2	WOW-2A	11/14/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.00		UG/L	48.78	58.78	2.00	X
OW-2	WOW-2A	05/21/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	8.20		UG/L	48.78	58.78	2.00	X
OW-6	WOW-6A	11/14/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.30		UG/L	46.80	56.80	2.00	X
MW-19	W19SSA	08/24/2001	8330NX	2,4,6-TRINITROTOLUENE	2.40		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	12/27/2001	8330NX	2,4,6-TRINITROTOLUENE	2.20	J	UG/L	0.00	10.00	2.00	X
MW-31	W31SSA	08/24/2001	8330NX	2,4,6-TRINITROTOLUENE	5.40		UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	01/04/2002	8330NX	2,4,6-TRINITROTOLUENE	5.90		UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	05/29/2002	8330NX	2,4,6-TRINITROTOLUENE	5.50		UG/L	13.00	18.00	2.00	X
58MW0001	58MW0001	01/11/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	4.60		UG/L	0.00	5.00	2.00	X
58MW0001	58MW0001-A	09/13/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	4.00		UG/L	0.00	5.00	2.00	X
58MW0002	58MW0002	12/14/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	15.00		UG/L	0.00	5.00	2.00	X
58MW0002	58MW0002-A	09/11/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	13.00		UG/L	0.00	5.00	2.00	X
58MW0009E	58MW0009E	12/11/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	13.00		UG/L	6.50	11.50	2.00	X
58MW0009E	58MW0009E-A	08/26/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	14.00		UG/L	6.50	11.50	2.00	X
58MW0011D	58MW0011D	12/11/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	5.10		UG/L	49.50	54.50	2.00	X
58MW0011D	58MW0011D-A	08/27/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	4.60		UG/L	49.50	54.50	2.00	X
58MW0016	58MW0016C	12/11/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	4.00		UG/L	0.00	10.00	2.00	X
58MW0018	58MW0018B	12/13/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	2.20		UG/L	34.55	44.55	2.00	X
90MW0054	90MW0054-A	09/12/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	3.90		UG/L	91.83	96.83	2.00	X
MW-1	W01SSA	08/16/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	4.30		UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	01/10/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	5.20	J	UG/L	0.00	10.00	2.00	X
MW-1	W01M2A	08/15/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	11.00		UG/L	44.00	49.00	2.00	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH NOVEMBER 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-1	W01M2A	11/30/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	8.90		UG/L	44.00	49.00	2.00	X
MW-101	W101M1A	09/19/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	3.80		UG/L	27.00	37.00	2.00	X
MW-107	W107M2A	09/12/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	2.70		UG/L	5.00	15.00	2.00	X
MW-113	W113M2A	09/17/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	5.50		UG/L	48.00	58.00	2.00	X
MW-114	W114M2A	05/29/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	190.00		UG/L	39.00	49.00	2.00	X
MW-114	W114M1A	06/21/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	2.10		UG/L	96.00	106.00	2.00	X
MW-129	W129M2A	07/10/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	7.90		UG/L	46.00	56.00	2.00	X
MW-147	W147M1A	09/05/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	2.40		UG/L	94.00	104.00	2.00	X
MW-164	W164M2A	09/05/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	6.90		UG/L	49.00	59.00	2.00	X
MW-164	W164M2D	09/05/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	7.00		UG/L	49.00	59.00	2.00	X
MW-165	W165M2A	04/18/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	26.00		UG/L	46.00	56.00	2.00	X
MW-19	W19SSA	06/18/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	200.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	06/18/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	210.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	08/24/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	120.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	12/27/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	120.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	05/29/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	120.00		UG/L	0.00	10.00	2.00	X
MW-198	W198M3A	02/15/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	15.00		UG/L	78.50	83.50	2.00	X
MW-2	W02M2A	09/16/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	2.10		UG/L	33.00	38.00	2.00	X
MW-23	W23M1A	07/30/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	5.30		UG/L	103.00	113.00	2.00	X
MW-23	W23M1A	12/06/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	5.30		UG/L	103.00	113.00	2.00	X
MW-23	W23M1A	08/15/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	5.00		UG/L	103.00	113.00	2.00	X
MW-31	W31SSA	08/24/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	88.00		UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	01/04/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	31.00		UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	05/29/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	130.00		UG/L	13.00	18.00	2.00	X
MW-31	W31MMA	04/22/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	7.40		UG/L	28.00	38.00	2.00	X
MW-31	W31MMD	04/22/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	7.20		UG/L	28.00	38.00	2.00	X
MW-37	W37M2A	08/13/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	4.60	J	UG/L	26.00	36.00	2.00	X
MW-73	W73SSA	01/11/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	79.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	08/20/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	34.00	J	UG/L	0.00	10.00	2.00	X
MW-76	W76SSA	08/10/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	4.50		UG/L	18.00	28.00	2.00	X
MW-76	W76SSA	12/28/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	9.90	J	UG/L	18.00	28.00	2.00	X
MW-76	W76SSA	04/24/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	25.00		UG/L	18.00	28.00	2.00	X
MW-76	W76M2A	08/13/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	51.00		UG/L	38.00	48.00	2.00	X

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TABLE 3
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1997 THROUGH NOVEMBER 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-76	W76M2D	08/13/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	48.00		UG/L	38.00	48.00	2.00	X
MW-76	W76M2A	01/07/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	92.00		UG/L	38.00	48.00	2.00	X
MW-76	W76M2A	04/24/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	130.00		UG/L	38.00	48.00	2.00	X
MW-76	W76M1A	08/13/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	90.00		UG/L	58.00	68.00	2.00	X
MW-76	W76M1A	12/28/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	110.00		UG/L	58.00	68.00	2.00	X
MW-76	W76M1A	04/24/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	79.00		UG/L	58.00	68.00	2.00	X
MW-77	W77M2A	08/10/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	29.00		UG/L	38.00	48.00	2.00	X
MW-77	W77M2A	12/26/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	26.00		UG/L	38.00	48.00	2.00	X
MW-77	W77M2A	04/24/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	5.40		UG/L	38.00	48.00	2.00	X
MW-85	W85M1A	09/12/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	4.20		UG/L	22.00	32.00	2.00	X
MW-86	W86SSA	08/16/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	4.70	J	UG/L	1.00	11.00	2.00	X
OW-1	OW-1-A	09/04/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	4.00		UG/L	0.00	10.00	2.00	X
OW-2	OW-2-A	08/30/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	14.00		UG/L	48.78	58.78	2.00	X
MW-1	W01SSA	12/12/2000	CHPPM	HEXAHYDRO-1,3,5-TRINITRO-1	12.00	J	UG/L	0.00	10.00	2.00	X
MW-1	W01SSD	12/12/2000	CHPPM	HEXAHYDRO-1,3,5-TRINITRO-1	11.00		UG/L	0.00	10.00	2.00	X
MW-16	W16SSA	12/08/2000	CHPPM	HEXAHYDRO-1,3,5-TRINITRO-1	2.50	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	12/08/2000	CHPPM	HEXAHYDRO-1,3,5-TRINITRO-1	300.00	J	UG/L	0.00	10.00	2.00	X
ASPWELL	ASPWELL	07/20/1999	E200.8	LEAD	53.00		UG/L			15.00	X
16MW0001	16MW0001-	05/13/2002	E314.0	PERCHLORATE	2.70		UG/L			1.50	X
16MW0001	16MW0001-	07/12/2002	E314.0	PERCHLORATE	4.30		UG/L			1.50	X
27MW0031B	27MW0031B-	04/20/2001	E314.0	PERCHLORATE	17.70		UG/L			1.50	X
27MW0031B	27MW0031B-	07/05/2001	E314.0	PERCHLORATE	15.10		UG/L			1.50	X
27MW0031B	27MW0031B-	01/03/2002	E314.0	PERCHLORATE	9.30		UG/L			1.50	X
27MW0031B	27MW0031B-	03/29/2002	E314.0	PERCHLORATE	7.18		UG/L			1.50	X
27MW0031B	27MW0031B-	03/29/2002	E314.0	PERCHLORATE	8.30		UG/L			1.50	X
27MW0031B	27MW0031B-	07/17/2002	E314.0	PERCHLORATE	5.30		UG/L			1.50	X
27MW2134A	27MW2134A-	07/25/2002	E314.0	PERCHLORATE	1.60		UG/L			1.50	X
58MW0009C	58MW0009C	06/04/2002	E314.0	PERCHLORATE	1.50		UG/L	41.00	47.00	1.50	X
58MW0009C	58MW0009C-A	08/26/2002	E314.0	PERCHLORATE	1.90		UG/L	41.00	47.00	1.50	X
58MW0015A	58MW0015A	04/11/2002	E314.0	PERCHLORATE	2.09		UG/L	36.00	45.00	1.50	X
58MW0015A	58MW0015A-A	08/27/2002	E314.0	PERCHLORATE	2.00		UG/L	36.00	45.00	1.50	X
58MW0015A	58MW0015A-D	08/27/2002	E314.0	PERCHLORATE	1.80		UG/L	36.00	45.00	1.50	X
90MW0022	90MW0022	05/19/2001	E314.0	PERCHLORATE	2.00	J	UG/L	72.79	77.79	1.50	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH NOVEMBER 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
90MW0022	90MW0022	09/05/2001	E314.0	PERCHLORATE	2.00	J	UG/L	72.79	77.79	1.50	X
90MW0022	90MW0022	01/16/2002	E314.0	PERCHLORATE	1.63	J	UG/L	72.79	77.79	1.50	X
90MW0022	90MW0022	04/15/2002	E314.0	PERCHLORATE	1.90		UG/L	72.79	77.79	1.50	X
90MW0054	90MW0054AA	01/30/2001	E314.0	PERCHLORATE	9.00		UG/L	91.83	96.83	1.50	X
90MW0054	90MW0054AD	01/30/2001	E314.0	PERCHLORATE	10.00		UG/L	91.83	96.83	1.50	X
90MW0054	90MW0054	10/24/2001	E314.0	PERCHLORATE	27.80		UG/L	91.83	96.83	1.50	X
90MW0054	90MW0054	12/13/2001	E314.0	PERCHLORATE	32.10		UG/L	91.83	96.83	1.50	X
90MW0054	90MW0054	04/20/2002	E314.0	PERCHLORATE	26.30	J	UG/L	91.83	96.83	1.50	X
MW-100	W100M1A	10/23/2001	E314.0	PERCHLORATE	1.67	J	UG/L	45.00	55.00	1.50	X
MW-101	W101M1A	01/20/2001	E314.0	PERCHLORATE	3.00	J	UG/L	27.00	37.00	1.50	X
MW-101	W101M1A	10/23/2001	E314.0	PERCHLORATE	1.75	J	UG/L	27.00	37.00	1.50	X
MW-101	W101M1A	11/27/2001	E314.0	PERCHLORATE	1.72	J	UG/L	27.00	37.00	1.50	X
MW-105	W105M1A	11/26/2001	E314.0	PERCHLORATE	1.98	J	UG/L	78.00	88.00	1.50	X
MW-114	W114M2A	12/29/2000	E314.0	PERCHLORATE	300.00		UG/L	39.00	49.00	1.50	X
MW-114	W114M2A	03/14/2001	E314.0	PERCHLORATE	260.00		UG/L	39.00	49.00	1.50	X
MW-114	W114M2A	06/19/2001	E314.0	PERCHLORATE	207.00		UG/L	39.00	49.00	1.50	X
MW-114	W114M2A	01/10/2002	E314.0	PERCHLORATE	127.00		UG/L	39.00	49.00	1.50	X
MW-114	W114M2A	05/29/2002	E314.0	PERCHLORATE	72.00		UG/L	39.00	49.00	1.50	X
MW-114	W114M2A	08/09/2002	E314.0	PERCHLORATE	64.00		UG/L	39.00	49.00	1.50	X
MW-114	W114M1A	12/28/2000	E314.0	PERCHLORATE	11.00		UG/L	96.00	106.00	1.50	X
MW-114	W114M1A	03/14/2001	E314.0	PERCHLORATE	13.00		UG/L	96.00	106.00	1.50	X
MW-114	W114M1A	06/18/2001	E314.0	PERCHLORATE	10.00		UG/L	96.00	106.00	1.50	X
MW-114	W114M1A	12/21/2001	E314.0	PERCHLORATE	22.10		UG/L	96.00	106.00	1.50	X
MW-114	W114M1A	06/21/2002	E314.0	PERCHLORATE	12.00		UG/L	96.00	106.00	1.50	X
MW-114	W114M1A	08/09/2002	E314.0	PERCHLORATE	14.00		UG/L	96.00	106.00	1.50	X
MW-125	W125M1A	02/20/2001	E314.0	PERCHLORATE	3.00	J	UG/L	182.00	192.00	1.50	X
MW-127	W127SSA	02/14/2001	E314.0	PERCHLORATE	4.00	J	UG/L	0.00	10.00	1.50	X
MW-128	W128SSA	02/14/2001	E314.0	PERCHLORATE	3.00	J	UG/L	0.00	10.00	1.50	X
MW-129	W129M3A	08/19/2002	E314.0	PERCHLORATE	2.00	J	UG/L	26.00	36.00	1.50	X
MW-129	W129M3D	08/19/2002	E314.0	PERCHLORATE	1.50	J	UG/L	26.00	36.00	1.50	X
MW-129	W129M2A	03/14/2001	E314.0	PERCHLORATE	6.00		UG/L	46.00	56.00	1.50	X
MW-129	W129M2A	06/20/2001	E314.0	PERCHLORATE	8.00		UG/L	46.00	56.00	1.50	X
MW-129	W129M2A	12/21/2001	E314.0	PERCHLORATE	6.93	J	UG/L	46.00	56.00	1.50	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH NOVEMBER 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-129	W129M2A	08/19/2002	E314.0	PERCHLORATE	13.00		UG/L	46.00	56.00	1.50	X
MW-129	W129M1A	01/02/2001	E314.0	PERCHLORATE	10.00		UG/L	66.00	76.00	1.50	X
MW-129	W129M1A	03/14/2001	E314.0	PERCHLORATE	9.00		UG/L	66.00	76.00	1.50	X
MW-129	W129M1A	06/19/2001	E314.0	PERCHLORATE	6.00		UG/L	66.00	76.00	1.50	X
MW-129	W129M1A	12/21/2001	E314.0	PERCHLORATE	5.92	J	UG/L	66.00	76.00	1.50	X
MW-129	W129M1A	04/12/2002	E314.0	PERCHLORATE	4.63		UG/L	66.00	76.00	1.50	X
MW-129	W129M1A	08/19/2002	E314.0	PERCHLORATE	1.90		UG/L	66.00	76.00	1.50	X
MW-130	W130SSA	02/14/2001	E314.0	PERCHLORATE	3.00	J	UG/L	0.00	10.00	1.50	X
MW-130	W130SSA	06/14/2001	E314.0	PERCHLORATE	3.00	J	UG/L	0.00	10.00	1.50	X
MW-130	W130SSD	06/14/2001	E314.0	PERCHLORATE	3.00	J	UG/L	0.00	10.00	1.50	X
MW-130	W130SSA	12/13/2001	E314.0	PERCHLORATE	4.21		UG/L	0.00	10.00	1.50	X
MW-130	W130SSD	12/13/2001	E314.0	PERCHLORATE	4.10		UG/L	0.00	10.00	1.50	X
MW-130	W130SSA	08/27/2002	E314.0	PERCHLORATE	2.70	J	UG/L	0.00	10.00	1.50	X
MW-132	W132SSA	11/09/2000	E314.0	PERCHLORATE	39.00	J	UG/L	0.00	10.00	1.50	X
MW-132	W132SSA	02/16/2001	E314.0	PERCHLORATE	65.00		UG/L	0.00	10.00	1.50	X
MW-132	W132SSA	06/15/2001	E314.0	PERCHLORATE	75.00		UG/L	0.00	10.00	1.50	X
MW-132	W132SSA	12/12/2001	E314.0	PERCHLORATE	27.40		UG/L	0.00	10.00	1.50	X
MW-132	W132SSA	06/28/2002	E314.0	PERCHLORATE	28.00		UG/L	0.00	10.00	1.50	X
MW-132	W132SSA	09/20/2002	E314.0	PERCHLORATE	13.00	J	UG/L	0.00	10.00	1.50	X
MW-139	W139M2A	12/29/2000	E314.0	PERCHLORATE	8.00		UG/L	70.00	80.00	1.50	X
MW-139	W139M2A	03/15/2001	E314.0	PERCHLORATE	11.00	J	UG/L	70.00	80.00	1.50	X
MW-139	W139M2A	06/20/2001	E314.0	PERCHLORATE	3.00	J	UG/L	70.00	80.00	1.50	X
MW-139	W139M2A	04/17/2002	E314.0	PERCHLORATE	2.77		UG/L	70.00	80.00	1.50	X
MW-139	W139M1A	04/17/2002	E314.0	PERCHLORATE	1.86		UG/L	110.00	120.00	1.50	X
MW-139	W139M1A	08/09/2002	E314.0	PERCHLORATE	1.60		UG/L	110.00	120.00	1.50	X
MW-141	W141M2A	08/12/2002	E314.0	PERCHLORATE	1.50		UG/L	34.00	44.00	1.50	X
MW-143	W143M3A	09/06/2002	E314.0	PERCHLORATE	2.30		UG/L	77.00	82.00	1.50	X
MW-158	W158SSA	06/12/2001	E314.0	PERCHLORATE	2.00	J	UG/L	2.00	12.00	1.50	X
MW-158	W158M2A	01/16/2002	E314.0	PERCHLORATE	1.61	J	UG/L	37.00	47.00	1.50	X
MW-162	W162M2A	01/18/2002	E314.0	PERCHLORATE	1.55	J	UG/L	49.29	59.29	1.50	X
MW-162	W162M2A	04/18/2002	E314.0	PERCHLORATE	2.03		UG/L	49.29	59.29	1.50	X
MW-162	W162M2A	08/08/2002	E314.0	PERCHLORATE	2.40	J	UG/L	49.29	59.29	1.50	X
MW-162	W162M2D	08/08/2002	E314.0	PERCHLORATE	2.00	J	UG/L	49.29	59.29	1.50	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH NOVEMBER 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-163	W163SSA	06/14/2001	E314.0	PERCHLORATE	67.00		UG/L	0.00	10.00	1.50	X
MW-163	W163SSA	10/10/2001	E314.0	PERCHLORATE	39.60		UG/L	0.00	10.00	1.50	X
MW-163	W163SSA	02/05/2002	E314.0	PERCHLORATE	17.90		UG/L	0.00	10.00	1.50	X
MW-163	W163SSA	03/07/2002	E314.0	PERCHLORATE	33.10		UG/L	0.00	10.00	1.50	X
MW-163	W163SSA	07/02/2002	E314.0	PERCHLORATE	46.00		UG/L	0.00	10.00	1.50	X
MW-165	W165M2A	05/08/2001	E314.0	PERCHLORATE	122.00	J	UG/L	46.00	56.00	1.50	X
MW-165	W165M2A	08/16/2001	E314.0	PERCHLORATE	102.00		UG/L	46.00	56.00	1.50	X
MW-165	W165M2A	01/10/2002	E314.0	PERCHLORATE	81.20		UG/L	46.00	56.00	1.50	X
MW-165	W165M2A	04/18/2002	E314.0	PERCHLORATE	83.50		UG/L	46.00	56.00	1.50	X
MW-165	W165M2A	08/10/2002	E314.0	PERCHLORATE	64.00		UG/L	46.00	56.00	1.50	X
MW-166	W166M3A	10/04/2001	E314.0	PERCHLORATE	1.50	J	UG/L	19.00	29.00	1.50	X
MW-166	W166M3A	01/17/2002	E314.0	PERCHLORATE	1.82	J	UG/L	19.00	29.00	1.50	X
MW-166	W166M3A	07/01/2002	E314.0	PERCHLORATE	2.00		UG/L	19.00	29.00	1.50	X
MW-172	W172M2A	06/21/2001	E314.0	PERCHLORATE	3.00	J	UG/L	104.00	114.00	1.50	X
MW-172	W172M2A	09/21/2001	E314.0	PERCHLORATE	3.94	J	UG/L	104.00	114.00	1.50	X
MW-172	W172M2A	02/08/2002	E314.0	PERCHLORATE	5.45		UG/L	104.00	114.00	1.50	X
MW-172	W172M2A	09/18/2002	E314.0	PERCHLORATE	7.10		UG/L	104.00	114.00	1.50	X
MW-19	W19SSA	08/08/2000	E314.0	PERCHLORATE	5.00	J	UG/L	0.00	10.00	1.50	X
MW-19	W19SSA	12/08/2000	E314.0	PERCHLORATE	12.00		UG/L	0.00	10.00	1.50	X
MW-19	W19SSA	06/18/2001	E314.0	PERCHLORATE	41.00		UG/L	0.00	10.00	1.50	X
MW-19	W19SSA	08/24/2001	E314.0	PERCHLORATE	8.49		UG/L	0.00	10.00	1.50	X
MW-19	W19SSA	12/27/2001	E314.0	PERCHLORATE	18.60	J	UG/L	0.00	10.00	1.50	X
MW-19	W19SSA	05/29/2002	E314.0	PERCHLORATE	5.20		UG/L	0.00	10.00	1.50	X
MW-19	W19SSA	08/07/2002	E314.0	PERCHLORATE	4.10	J	UG/L	0.00	10.00	1.50	X
MW-193	W193M1A	02/20/2002	E314.0	PERCHLORATE	7.02		UG/L	23.80	28.80	1.50	X
MW-193	W193M1D	02/20/2002	E314.0	PERCHLORATE	7.30		UG/L	23.80	28.80	1.50	X
MW-193	W193M1A	07/11/2002	E314.0	PERCHLORATE	3.00		UG/L	23.80	28.80	1.50	X
MW-197	W197M3A	02/12/2002	E314.0	PERCHLORATE	34.10		UG/L	39.40	44.40	1.50	X
MW-197	W197M3A	07/18/2002	E314.0	PERCHLORATE	54.00	J	UG/L	39.40	44.40	1.50	X
MW-197	W197M2A	07/17/2002	E314.0	PERCHLORATE	1.50	J	UG/L	59.30	64.30	1.50	X
MW-198	W198M4A	02/21/2002	E314.0	PERCHLORATE	311.00		UG/L	48.40	53.40	1.50	X
MW-198	W198M4A	07/19/2002	E314.0	PERCHLORATE	170.00	J	UG/L	48.40	53.40	1.50	X
MW-198	W198M3A	02/15/2002	E314.0	PERCHLORATE	40.90		UG/L	78.50	83.50	1.50	X

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1997 THROUGH NOVEMBER 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-198	W198M3A	07/22/2002	E314.0	PERCHLORATE	65.00	J	UG/L	78.50	83.50	1.50	X
MW-210	W210M2A	06/06/2002	E314.0	PERCHLORATE	12.00		UG/L	54.69	64.69	1.50	X
MW-210	W210M2D	06/06/2002	E314.0	PERCHLORATE	11.00		UG/L	54.69	64.69	1.50	X
MW-210	W210M2A	10/28/2002	E314.0	PERCHLORATE	9.93		UG/L	54.69	64.69	1.50	X
MW-211	W211M2A	06/06/2002	E314.0	PERCHLORATE	3.00		UG/L	29.70	39.70	1.50	X
MW-211	W211M2A	10/29/2002	E314.0	PERCHLORATE	3.02		UG/L	29.70	39.70	1.50	X
MW-225	W225M3A	08/06/2002	E314.0	PERCHLORATE	2.90		UG/L	26.48	36.48	1.50	X
MW-227	W227M2A	08/06/2002	E314.0	PERCHLORATE	1.80		UG/L	56.38	66.38	1.50	X
MW-231	W231M2A	08/26/2002	E314.0	PERCHLORATE	1.50		UG/L	58.33	68.33	1.50	X
MW-232	W232M2A	08/30/2002	E314.0	PERCHLORATE	1.80		UG/L	18.41	23.41	1.50	X
MW-232	W232M1A	08/30/2002	E314.0	PERCHLORATE	2.90		UG/L	34.94	39.94	1.50	X
MW-233	W233M3A	10/03/2002	E314.0	PERCHLORATE	2.20		UG/L	32.80	42.80	1.50	X
MW-31	W31SSA	08/09/2000	E314.0	PERCHLORATE	40.00	J	UG/L	13.00	18.00	1.50	X
MW-31	W31SSA	12/08/2000	E314.0	PERCHLORATE	30.00		UG/L	13.00	18.00	1.50	X
MW-31	W31SSA	05/02/2001	E314.0	PERCHLORATE	20.00	J	UG/L	13.00	18.00	1.50	X
MW-31	W31SSA	08/24/2001	E314.0	PERCHLORATE	16.20		UG/L	13.00	18.00	1.50	X
MW-31	W31SSA	01/04/2002	E314.0	PERCHLORATE	12.50		UG/L	13.00	18.00	1.50	X
MW-31	W31SSA	05/29/2002	E314.0	PERCHLORATE	12.00		UG/L	13.00	18.00	1.50	X
MW-31	W31SSA	08/07/2002	E314.0	PERCHLORATE	7.20	J	UG/L	13.00	18.00	1.50	X
MW-31	W31M1A	08/09/2000	E314.0	PERCHLORATE	50.00	J	UG/L	28.00	38.00	1.50	X
MW-31	W31MMA	05/23/2001	E314.0	PERCHLORATE	19.00		UG/L	28.00	38.00	1.50	X
MW-31	W31MMA	01/04/2002	E314.0	PERCHLORATE	1.66	J	UG/L	28.00	38.00	1.50	X
MW-31	W31MMA	04/22/2002	E314.0	PERCHLORATE	2.98	J	UG/L	28.00	38.00	1.50	X
MW-31	W31MMD	04/22/2002	E314.0	PERCHLORATE	3.04	J	UG/L	28.00	38.00	1.50	X
MW-31	W31MMA	08/07/2002	E314.0	PERCHLORATE	10.00	J	UG/L	28.00	38.00	1.50	X
MW-32	W32MMA	04/22/2002	E314.0	PERCHLORATE	1.97		UG/L	65.00	75.00	1.50	X
MW-33	W33SSA	04/23/2002	E314.0	PERCHLORATE	1.72		UG/L	50.00	55.00	1.50	X
MW-33	W33SSA	08/08/2002	E314.0	PERCHLORATE	1.60	J	UG/L	50.00	55.00	1.50	X
MW-33	W33MMA	04/23/2002	E314.0	PERCHLORATE	1.72		UG/L	65.00	75.00	1.50	X
MW-33	W33MMA	08/08/2002	E314.0	PERCHLORATE	2.10	J	UG/L	65.00	75.00	1.50	X
MW-33	W33DDA	12/26/2001	E314.0	PERCHLORATE	1.54	J	UG/L	85.00	90.00	1.50	X
MW-33	W33DDA	04/23/2002	E314.0	PERCHLORATE	2.02		UG/L	85.00	90.00	1.50	X
MW-33	W33DDA	08/08/2002	E314.0	PERCHLORATE	2.00	J	UG/L	85.00	90.00	1.50	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH NOVEMBER 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-34	W34M2A	08/10/2000	E314.0	PERCHLORATE	60.00	J	UG/L	53.00	63.00	1.50	X
MW-34	W34M2A	12/18/2000	E314.0	PERCHLORATE	34.00		UG/L	53.00	63.00	1.50	X
MW-34	W34M2A	05/01/2001	E314.0	PERCHLORATE	28.00	J	UG/L	53.00	63.00	1.50	X
MW-34	W34M2A	07/30/2001	E314.0	PERCHLORATE	16.20		UG/L	53.00	63.00	1.50	X
MW-34	W34M2A	12/26/2001	E314.0	PERCHLORATE	5.85	J	UG/L	53.00	63.00	1.50	X
MW-34	W34M2A	04/24/2002	E314.0	PERCHLORATE	19.60		UG/L	53.00	63.00	1.50	X
MW-34	W34M2A	08/20/2002	E314.0	PERCHLORATE	17.00		UG/L	53.00	63.00	1.50	X
MW-34	W34M1A	12/18/2000	E314.0	PERCHLORATE	109.00		UG/L	73.00	83.00	1.50	X
MW-34	W34M1A	05/05/2001	E314.0	PERCHLORATE	46.00		UG/L	73.00	83.00	1.50	X
MW-34	W34M1A	07/31/2001	E314.0	PERCHLORATE	30.80		UG/L	73.00	83.00	1.50	X
MW-34	W34M1D	07/31/2001	E314.0	PERCHLORATE	31.40		UG/L	73.00	83.00	1.50	X
MW-34	W34M1A	12/26/2001	E314.0	PERCHLORATE	17.70		UG/L	73.00	83.00	1.50	X
MW-34	W34M1A	04/24/2002	E314.0	PERCHLORATE	7.90		UG/L	73.00	83.00	1.50	X
MW-34	W34M1A	08/20/2002	E314.0	PERCHLORATE	7.10	J	UG/L	73.00	83.00	1.50	X
MW-34	W34M1D	08/20/2002	E314.0	PERCHLORATE	7.30		UG/L	73.00	83.00	1.50	X
MW-35	W35M1A	05/04/2001	E314.0	PERCHLORATE	4.00	J	UG/L	68.00	78.00	1.50	X
MW-35	W35M1A	08/03/2001	E314.0	PERCHLORATE	5.40		UG/L	68.00	78.00	1.50	X
MW-35	W35M1A	12/21/2001	E314.0	PERCHLORATE	6.34	J	UG/L	68.00	78.00	1.50	X
MW-35	W35M1A	04/24/2002	E314.0	PERCHLORATE	6.44	J	UG/L	68.00	78.00	1.50	X
MW-35	W35M1A	08/19/2002	E314.0	PERCHLORATE	5.00		UG/L	68.00	78.00	1.50	X
MW-36	W36M2A	01/08/2002	E314.0	PERCHLORATE	1.86	J	UG/L	54.00	64.00	1.50	X
MW-36	W36M2D	01/08/2002	E314.0	PERCHLORATE	2.16		UG/L	54.00	64.00	1.50	X
MW-36	W36M2A	04/24/2002	E314.0	PERCHLORATE	3.44		UG/L	54.00	64.00	1.50	X
MW-36	W36M2A	08/08/2002	E314.0	PERCHLORATE	4.00	J	UG/L	54.00	64.00	1.50	X
MW-66	W66SSA	08/13/2001	E314.0	PERCHLORATE	1.90	J	UG/L	7.00	17.00	1.50	X
MW-66	W66SSA	09/21/2001	E314.0	PERCHLORATE	2.20	J	UG/L	7.00	17.00	1.50	X
MW-66	W66SSA	07/01/2002	E314.0	PERCHLORATE	2.00		UG/L	7.00	17.00	1.50	X
MW-66	W66SSA	08/09/2002	E314.0	PERCHLORATE	2.90		UG/L	7.00	17.00	1.50	X
MW-66	W66SSD	08/09/2002	E314.0	PERCHLORATE	2.30		UG/L	7.00	17.00	1.50	X
MW-73	W73SSD	12/19/2000	E314.0	PERCHLORATE	6.00		UG/L	0.00	10.00	1.50	X
MW-73	W73SSA	06/14/2001	E314.0	PERCHLORATE	10.00		UG/L	0.00	10.00	1.50	X
MW-73	W73SSA	01/11/2002	E314.0	PERCHLORATE	3.30		UG/L	0.00	10.00	1.50	X
MW-73	W73SSA	08/20/2002	E314.0	PERCHLORATE	1.90		UG/L	0.00	10.00	1.50	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH NOVEMBER 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-75	W75M2A	05/09/2001	E314.0	PERCHLORATE	9.00	J	UG/L	34.00	44.00	1.50	X
MW-75	W75M2D	05/09/2001	E314.0	PERCHLORATE	9.00	J	UG/L	34.00	44.00	1.50	X
MW-75	W75M2A	08/09/2001	E314.0	PERCHLORATE	6.24		UG/L	34.00	44.00	1.50	X
MW-75	W75M2A	01/07/2002	E314.0	PERCHLORATE	4.08		UG/L	34.00	44.00	1.50	X
MW-75	W75M2A	04/25/2002	E314.0	PERCHLORATE	4.89		UG/L	34.00	44.00	1.50	X
MW-75	W75M2A	08/19/2002	E314.0	PERCHLORATE	2.80		UG/L	34.00	44.00	1.50	X
MW-75	W75M2D	08/19/2002	E314.0	PERCHLORATE	3.20		UG/L	34.00	44.00	1.50	X
MW-76	W76SSA	12/07/2000	E314.0	PERCHLORATE	5.00		UG/L	18.00	28.00	1.50	X
MW-76	W76SSA	05/07/2001	E314.0	PERCHLORATE	7.00		UG/L	18.00	28.00	1.50	X
MW-76	W76SSA	08/10/2001	E314.0	PERCHLORATE	13.30		UG/L	18.00	28.00	1.50	X
MW-76	W76SSA	12/28/2001	E314.0	PERCHLORATE	41.20		UG/L	18.00	28.00	1.50	X
MW-76	W76SSA	04/24/2002	E314.0	PERCHLORATE	175.00		UG/L	18.00	28.00	1.50	X
MW-76	W76SSA	08/20/2002	E314.0	PERCHLORATE	88.00		UG/L	18.00	28.00	1.50	X
MW-76	W76M2A	12/06/2000	E314.0	PERCHLORATE	11.00		UG/L	38.00	48.00	1.50	X
MW-76	W76M2A	05/07/2001	E314.0	PERCHLORATE	17.00		UG/L	38.00	48.00	1.50	X
MW-76	W76M2A	08/13/2001	E314.0	PERCHLORATE	22.10		UG/L	38.00	48.00	1.50	X
MW-76	W76M2D	08/13/2001	E314.0	PERCHLORATE	22.50		UG/L	38.00	48.00	1.50	X
MW-76	W76M2A	01/07/2002	E314.0	PERCHLORATE	126.00		UG/L	38.00	48.00	1.50	X
MW-76	W76M2A	04/24/2002	E314.0	PERCHLORATE	174.00		UG/L	38.00	48.00	1.50	X
MW-76	W76M2A	08/19/2002	E314.0	PERCHLORATE	250.00		UG/L	38.00	48.00	1.50	X
MW-76	W76M1A	05/07/2001	E314.0	PERCHLORATE	8.00		UG/L	58.00	68.00	1.50	X
MW-76	W76M1A	08/13/2001	E314.0	PERCHLORATE	16.00		UG/L	58.00	68.00	1.50	X
MW-76	W76M1A	12/28/2001	E314.0	PERCHLORATE	30.60		UG/L	58.00	68.00	1.50	X
MW-76	W76M1A	04/24/2002	E314.0	PERCHLORATE	15.30		UG/L	58.00	68.00	1.50	X
MW-76	W76M1A	08/19/2002	E314.0	PERCHLORATE	3.10		UG/L	58.00	68.00	1.50	X
MW-77	W77M2A	12/06/2000	E314.0	PERCHLORATE	28.00		UG/L	38.00	48.00	1.50	X
MW-77	W77M2A	05/10/2001	E314.0	PERCHLORATE	16.00	J	UG/L	38.00	48.00	1.50	X
MW-77	W77M2A	08/10/2001	E314.0	PERCHLORATE	13.90		UG/L	38.00	48.00	1.50	X
MW-77	W77M2A	12/26/2001	E314.0	PERCHLORATE	12.30		UG/L	38.00	48.00	1.50	X
MW-77	W77M2A	04/24/2002	E314.0	PERCHLORATE	8.01		UG/L	38.00	48.00	1.50	X
MW-77	W77M2A	08/07/2002	E314.0	PERCHLORATE	7.20	J	UG/L	38.00	48.00	1.50	X
MW-78	W78M2A	12/06/2000	E314.0	PERCHLORATE	19.00		UG/L	38.00	48.00	1.50	X
MW-78	W78M2A	05/10/2001	E314.0	PERCHLORATE	9.00	J	UG/L	38.00	48.00	1.50	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH NOVEMBER 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-78	W78M2A	08/15/2001	E314.0	PERCHLORATE	11.40		UG/L	38.00	48.00	1.50	X
MW-78	W78M2A	12/28/2001	E314.0	PERCHLORATE	4.43		UG/L	38.00	48.00	1.50	X
MW-78	W78M2A	04/25/2002	E314.0	PERCHLORATE	4.75		UG/L	38.00	48.00	1.50	X
MW-78	W78M2A	08/20/2002	E314.0	PERCHLORATE	6.30	J	UG/L	38.00	48.00	1.50	X
MW-78	W78M1A	04/25/2002	E314.0	PERCHLORATE	2.07		UG/L	58.00	68.00	1.50	X
MW-78	W78M1A	08/20/2002	E314.0	PERCHLORATE	4.60	J	UG/L	58.00	68.00	1.50	X
MW-78	W78M1D	08/20/2002	E314.0	PERCHLORATE	3.00	J	UG/L	58.00	68.00	1.50	X
MW-80	W80M1A	08/20/2001	E314.0	PERCHLORATE	1.70	J	UG/L	86.00	96.00	1.50	X
MW-80	W80M1A	10/10/2001	E314.0	PERCHLORATE	1.50	J	UG/L	86.00	96.00	1.50	X
MW-80	W80M1A	12/20/2001	E314.0	PERCHLORATE	1.63	J	UG/L	86.00	96.00	1.50	X
MW-80	W80M1A	04/04/2002	E314.0	PERCHLORATE	2.26	J	UG/L	86.00	96.00	1.50	X
MW-80	W80M1D	06/08/2002	E314.0	PERCHLORATE	1.57		UG/L	86.00	96.00	1.50	X
MW-80	W80M1A	07/15/2002	E314.0	PERCHLORATE	1.55		UG/L	86.00	96.00	1.50	X
MW-91	W91SSA	01/20/2001	E314.0	PERCHLORATE	5.00	J	UG/L	0.00	10.00	1.50	X
MW-91	W91SSA	10/09/2001	E314.0	PERCHLORATE	3.22	J	UG/L	0.00	10.00	1.50	X
MW-91	W91SSA	12/20/2001	E314.0	PERCHLORATE	3.83	J	UG/L	0.00	10.00	1.50	X
MW-91	W91SSA	05/20/2002	E314.0	PERCHLORATE	4.00		UG/L	0.00	10.00	1.50	X
MW-91	W91M1A	10/03/2001	E314.0	PERCHLORATE	1.50	J	UG/L	45.00	55.00	1.50	X
MW-91	W91M1A	11/29/2001	E314.0	PERCHLORATE	1.62	J	UG/L	45.00	55.00	1.50	X
MW-93	W93M2A	01/20/2001	E314.0	PERCHLORATE	2.00	J	UG/L	16.00	26.00	1.50	X
MW-93	W93M1A	01/20/2001	E314.0	PERCHLORATE	3.00	J	UG/L	56.00	66.00	1.50	X
MW-93	W93M1D	01/20/2001	E314.0	PERCHLORATE	2.00	J	UG/L	56.00	66.00	1.50	X
MW-93	W93M1A	10/03/2001	E314.0	PERCHLORATE	1.80	J	UG/L	56.00	66.00	1.50	X
MW-99	W99M1A	11/28/2001	E314.0	PERCHLORATE	1.51	J	UG/L	60.00	70.00	1.50	X
OW-1	WOW-1A	11/15/2001	E314.0	PERCHLORATE	2.92		UG/L	0.00	10.00	1.50	X
OW-1	WOW-1A	05/21/2002	E314.0	PERCHLORATE	2.07	J	UG/L	0.00	10.00	1.50	X
OW-1	WOW-1D	05/21/2002	E314.0	PERCHLORATE	2.15	J	UG/L	0.00	10.00	1.50	X
OW-2	WOW-2A	05/21/2002	E314.0	PERCHLORATE	1.67	J	UG/L	48.78	58.78	1.50	X
OW-2	OW-2-A	08/30/2002	E314.0	PERCHLORATE	1.62		UG/L	48.78	58.78	1.50	X
OW-6	OW-6-A	08/30/2002	E314.0	PERCHLORATE	1.65		UG/L	46.80	56.80	1.50	X
OW-6	OW-6-D	08/30/2002	E314.0	PERCHLORATE	1.66		UG/L	46.80	56.80	1.50	X
MW-16	W16SSA	11/17/1997	IM40	SODIUM	20,900.00		UG/L	0.00	10.00	20,000.00	X
MW-16	W16SSL	11/17/1997	IM40	SODIUM	20,400.00		UG/L	0.00	10.00	20,000.00	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH NOVEMBER 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-2	W02DDA	11/19/1997	IM40	SODIUM	21,500.00		UG/L	218.00	223.00	20,000.00	X
MW-2	W02DDL	11/19/1997	IM40	SODIUM	22,600.00		UG/L	218.00	223.00	20,000.00	X
MW-21	W21SSA	10/24/1997	IM40	SODIUM	24,000.00		UG/L	0.00	10.00	20,000.00	X
MW-21	W21SSL	10/24/1997	IM40	SODIUM	24,200.00		UG/L	0.00	10.00	20,000.00	X
MW-21	W21SSA	10/24/1997	IM40	THALLIUM	6.90	J	UG/L	0.00	10.00	2.00	X
95-15	W9515A	10/17/1997	IM40	ZINC	7,210.00		UG/L	77.79	79.79	2,000.00	X
95-15	W9515L	10/17/1997	IM40	ZINC	4,620.00		UG/L	77.79	79.79	2,000.00	X
LRMW0003	WL31XA	10/21/1997	IM40	ZINC	2,480.00		UG/L	69.68	94.68	2,000.00	X
LRMW0003	WL31XL	10/21/1997	IM40	ZINC	2,410.00		UG/L	69.68	94.68	2,000.00	X
LRWS4-1	WL41XA	11/24/1997	IM40	ZINC	3,220.00		UG/L	66.00	91.00	2,000.00	X
LRWS4-1	WL41XL	11/24/1997	IM40	ZINC	3,060.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51DL	11/25/1997	IM40	ZINC	4,410.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51XA	11/25/1997	IM40	ZINC	4,510.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51XD	11/25/1997	IM40	ZINC	4,390.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51XL	11/25/1997	IM40	ZINC	3,900.00		UG/L	66.00	91.00	2,000.00	X
LRWS6-1	WL61XA	11/17/1997	IM40	ZINC	3,480.00		UG/L	184.00	199.00	2,000.00	X
LRWS6-1	WL61XL	11/17/1997	IM40	ZINC	2,600.00		UG/L	184.00	199.00	2,000.00	X
LRWS7-1	WL71XA	11/21/1997	IM40	ZINC	4,320.00		UG/L	186.00	201.00	2,000.00	X
LRWS7-1	WL71XL	11/21/1997	IM40	ZINC	3,750.00		UG/L	186.00	201.00	2,000.00	X
MW-1	W01SSA	09/07/1999	IM40MB	ANTIMONY	6.70	J	UG/L	0.00	10.00	6.00	X
MW-187	W187DDX	01/23/2002	IM40MB	ANTIMONY	6.00	J	UG/L	199.50	209.50	6.00	X
MW-3	W03DDL	03/06/1998	IM40MB	ANTIMONY	13.80	J	UG/L	219.00	224.00	6.00	X
MW-34	W34M2A	08/16/1999	IM40MB	ANTIMONY	6.60	J	UG/L	53.00	63.00	6.00	X
MW-35	W35SSA	08/19/1999	IM40MB	ANTIMONY	6.90	J	UG/L	0.00	10.00	6.00	X
MW-35	W35SSD	08/19/1999	IM40MB	ANTIMONY	13.80	J	UG/L	0.00	10.00	6.00	X
MW-36	W36SSA	08/17/1999	IM40MB	ANTIMONY	6.70	J	UG/L	0.00	10.00	6.00	X
MW-38	W38SSA	08/18/1999	IM40MB	ANTIMONY	7.40		UG/L	0.00	10.00	6.00	X
MW-38	W38M3A	08/18/1999	IM40MB	ANTIMONY	6.60	J	UG/L	52.00	62.00	6.00	X
MW-38	W38DDA	08/17/1999	IM40MB	ANTIMONY	6.90	J	UG/L	124.00	134.00	6.00	X
MW-39	W39M1A	08/18/1999	IM40MB	ANTIMONY	7.50		UG/L	84.00	94.00	6.00	X
MW-50	W50M1A	05/15/2000	IM40MB	ANTIMONY	9.50		UG/L	89.00	99.00	6.00	X
PPAWSMW-3	PPAWSMW-3	08/12/1999	IM40MB	ANTIMONY	6.00	J	UG/L	0.00	10.00	6.00	X
MW-7	W07M1A	09/07/1999	IM40MB	ARSENIC	52.80		UG/L	135.00	140.00	50.00	X

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MW-52	W52M3L	08/27/1999	IM40MB	CADMIUM	12.20		UG/L	59.00	64.00	5.00	X
MW-7	W07M1A	09/07/1999	IM40MB	CHROMIUM, TOTAL	114.00		UG/L	135.00	140.00	100.00	X
ASPWELL	ASPWELL	05/24/2001	IM40MB	LEAD	30.40		UG/L			15.00	X
MW-2	W02SSA	02/23/1998	IM40MB	LEAD	20.10		UG/L	0.00	10.00	15.00	X
MW-45	W45SSA	08/23/2001	IM40MB	LEAD	42.20		UG/L	0.00	10.00	15.00	X
MW-45	W45SSA	12/14/2001	IM40MB	LEAD	42.80		UG/L	0.00	10.00	15.00	X
MW-7	W07M1A	09/07/1999	IM40MB	LEAD	40.20		UG/L	135.00	140.00	15.00	X
MW-7	W07M1D	09/07/1999	IM40MB	LEAD	18.30		UG/L	135.00	140.00	15.00	X
MW-2	W02SSA	02/23/1998	IM40MB	MOLYBDENUM	72.10		UG/L	0.00	10.00	40.00	X
MW-2	W02SSL	02/23/1998	IM40MB	MOLYBDENUM	63.30		UG/L	0.00	10.00	40.00	X
MW-46	W46M2A	03/30/1999	IM40MB	MOLYBDENUM	48.90		UG/L	56.00	66.00	40.00	X
MW-46	W46M2L	03/30/1999	IM40MB	MOLYBDENUM	51.00		UG/L	56.00	66.00	40.00	X
MW-47	W47M3A	03/29/1999	IM40MB	MOLYBDENUM	43.10		UG/L	21.00	31.00	40.00	X
MW-47	W47M3L	03/29/1999	IM40MB	MOLYBDENUM	40.50		UG/L	21.00	31.00	40.00	X
MW-52	W52M3A	04/07/1999	IM40MB	MOLYBDENUM	72.60		UG/L	59.00	64.00	40.00	X
MW-52	W52M3L	04/07/1999	IM40MB	MOLYBDENUM	67.60		UG/L	59.00	64.00	40.00	X
MW-52	W52DDA	04/02/1999	IM40MB	MOLYBDENUM	51.10		UG/L	218.00	228.00	40.00	X
MW-52	W52DDL	04/02/1999	IM40MB	MOLYBDENUM	48.90		UG/L	218.00	228.00	40.00	X
MW-53	W53M1A	05/03/1999	IM40MB	MOLYBDENUM	122.00		UG/L	99.00	109.00	40.00	X
MW-53	W53M1L	05/03/1999	IM40MB	MOLYBDENUM	132.00		UG/L	99.00	109.00	40.00	X
MW-53	W53M1A	08/30/1999	IM40MB	MOLYBDENUM	55.20		UG/L	99.00	109.00	40.00	X
MW-53	W53M1L	08/30/1999	IM40MB	MOLYBDENUM	54.10		UG/L	99.00	109.00	40.00	X
MW-53	W53M1A	11/05/1999	IM40MB	MOLYBDENUM	41.20		UG/L	99.00	109.00	40.00	X
MW-54	W54SSA	04/30/1999	IM40MB	MOLYBDENUM	56.70		UG/L	0.00	10.00	40.00	X
MW-54	W54SSL	04/30/1999	IM40MB	MOLYBDENUM	66.20		UG/L	0.00	10.00	40.00	X
MW-54	W54SSA	08/27/1999	IM40MB	MOLYBDENUM	61.40		UG/L	0.00	10.00	40.00	X
MW-54	W54M2A	08/27/1999	IM40MB	MOLYBDENUM	43.70		UG/L	59.00	69.00	40.00	X
MW-54	W54M2L	08/27/1999	IM40MB	MOLYBDENUM	43.20		UG/L	59.00	69.00	40.00	X
15MW0002	15MW0002	04/08/1999	IM40MB	SODIUM	37,600.00		UG/L	0.00	10.00	20,000.00	X
90WT0010	90WT0010	06/05/2000	IM40MB	SODIUM	23,600.00		UG/L	2.00	12.00	20,000.00	X
90WT0010	90WT0010-L	06/05/2000	IM40MB	SODIUM	24,200.00		UG/L	2.00	12.00	20,000.00	X
90WT0015	90WT0015	04/23/1999	IM40MB	SODIUM	34,300.00		UG/L	0.00	10.00	20,000.00	X
ASPWELL	ASPWELL	05/24/2001	IM40MB	SODIUM	24,900.00		UG/L			20,000.00	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH NOVEMBER 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
ASPWELL	ASPWELL	09/27/2001	IM40MB	SODIUM	22,600.00		UG/L			20,000.00	X
ASPWELL	ASPWELL	12/19/2001	IM40MB	SODIUM	28,500.00		UG/L			20,000.00	X
MW-144	W144SSA	06/18/2001	IM40MB	SODIUM	77,200.00		UG/L	5.00	15.00	20,000.00	X
MW-144	W144SSA	09/06/2002	IM40MB	SODIUM	43,000.00		UG/L	5.00	15.00	20,000.00	X
MW-145	W145SSA	02/12/2001	IM40MB	SODIUM	37,000.00		UG/L	0.00	10.00	20,000.00	X
MW-145	W145SSA	06/20/2001	IM40MB	SODIUM	73,600.00		UG/L	0.00	10.00	20,000.00	X
MW-145	W145SSA	06/28/2002	IM40MB	SODIUM	53,300.00		UG/L	0.00	10.00	20,000.00	X
MW-148	W148SSA	10/18/2001	IM40MB	SODIUM	23,500.00		UG/L	0.00	10.00	20,000.00	X
MW-187	W187DDA	01/23/2002	IM40MB	SODIUM	25,300.00		UG/L	199.50	209.50	20,000.00	X
MW-187	W187DDX	01/23/2002	IM40MB	SODIUM	25,200.00		UG/L	199.50	209.50	20,000.00	X
MW-187	W187DDA	07/11/2002	IM40MB	SODIUM	27,100.00		UG/L	199.50	209.50	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-21	W21SSA	11/15/2000	IM40MB	SODIUM	22,500.00		UG/L	0.00	10.00	20,000.00	X
MW-21	W21SSA	12/20/2001	IM40MB	SODIUM	26,400.00		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	06/15/2000	IM40MB	SODIUM	32,200.00		UG/L	0.00	10.00	20,000.00	X
MW-46	W46SSA	09/12/2000	IM40MB	SODIUM	31,300.00		UG/L	0.00	10.00	20,000.00	X
MW-46	W46SSA	11/17/2000	IM40MB	SODIUM	22,500.00	J	UG/L	0.00	10.00	20,000.00	X
MW-46	W46M2A	03/30/1999	IM40MB	SODIUM	23,300.00		UG/L	56.00	66.00	20,000.00	X
MW-46	W46M2L	03/30/1999	IM40MB	SODIUM	24,400.00		UG/L	56.00	66.00	20,000.00	X
MW-54	W54SSA	08/27/1999	IM40MB	SODIUM	33,300.00		UG/L	0.00	10.00	20,000.00	X
MW-57	W57M2A	12/21/1999	IM40MB	SODIUM	23,500.00		UG/L	62.00	72.00	20,000.00	X
MW-57	W57M2A	03/22/2000	IM40MB	SODIUM	24,500.00		UG/L	62.00	72.00	20,000.00	X
MW-57	W57M2A	06/30/2000	IM40MB	SODIUM	25,900.00		UG/L	62.00	72.00	20,000.00	X
MW-57	W57M2A	08/29/2000	IM40MB	SODIUM	23,200.00		UG/L	62.00	72.00	20,000.00	X
MW-57	W57M1A	12/14/1999	IM40MB	SODIUM	23,700.00		UG/L	102.00	112.00	20,000.00	X
MW-57	W57M1A	03/07/2000	IM40MB	SODIUM	20,900.00		UG/L	102.00	112.00	20,000.00	X
MW-57	W57M1A	07/05/2000	IM40MB	SODIUM	22,200.00		UG/L	102.00	112.00	20,000.00	X
MW-57	W57M1A	08/29/2000	IM40MB	SODIUM	20,100.00		UG/L	102.00	112.00	20,000.00	X
SDW261160	WG160L	01/07/1998	IM40MB	SODIUM	20,600.00		UG/L	10.00	20.00	20,000.00	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH NOVEMBER 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
SDW261160	WG160A	01/13/1999	IM40MB	SODIUM	27,200.00		UG/L	10.00	20.00	20,000.00	X
SDW261160	WG160L	01/13/1999	IM40MB	SODIUM	28,200.00		UG/L	10.00	20.00	20,000.00	X
03MW0006	03MW0006	04/15/1999	IM40MB	THALLIUM	2.60	J	UG/L	0.00	10.00	2.00	X
03MW0022A	03MW0022A	04/16/1999	IM40MB	THALLIUM	3.90		UG/L	71.00	76.00	2.00	X
03MW0027A	03MW0027A	04/14/1999	IM40MB	THALLIUM	2.00	J	UG/L	64.00	69.00	2.00	X
11MW0004	11MW0004	04/16/1999	IM40MB	THALLIUM	2.30	J	UG/L	0.00	10.00	2.00	X
27MW0020Z	27MW0020Z	04/16/1999	IM40MB	THALLIUM	2.70	J	UG/L	98.00	103.00	2.00	X
90MW0038	90MW0038	04/21/1999	IM40MB	THALLIUM	4.40	J	UG/L	29.00	34.00	2.00	X
90WT0010	WF10XA	01/16/1998	IM40MB	THALLIUM	6.50	J	UG/L	2.00	12.00	2.00	X
LRWS1-4	WL14XA	01/06/1999	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-132	W132SSA	02/16/2001	IM40MB	THALLIUM	2.10	J	UG/L	0.00	10.00	2.00	X
MW-145	W145SSA	10/18/2001	IM40MB	THALLIUM	4.80	J	UG/L	0.00	10.00	2.00	X
MW-150	W150SSA	03/07/2001	IM40MB	THALLIUM	2.20	J	UG/L	1.00	11.00	2.00	X
MW-18	W18SSA	03/12/1999	IM40MB	THALLIUM	2.30	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	09/10/1999	IM40MB	THALLIUM	3.80	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	08/24/2001	IM40MB	THALLIUM	4.20	J	UG/L	0.00	10.00	2.00	X
MW-19	W19DDL	02/11/1999	IM40MB	THALLIUM	3.10	J	UG/L	254.00	259.00	2.00	X
MW-191	W191M1A	07/25/2002	IM40MB	THALLIUM	6.30		UG/L	25.20	30.20	2.00	X
MW-198	W198M2A	07/24/2002	IM40MB	THALLIUM	6.20		UG/L	98.40	103.40	2.00	X
MW-2	W02DDD	08/02/2000	IM40MB	THALLIUM	4.90	J	UG/L	218.00	223.00	2.00	X
MW-21	W21M2A	11/01/1999	IM40MB	THALLIUM	4.00	J	UG/L	58.00	68.00	2.00	X
MW-23	W23SSA	09/14/1999	IM40MB	THALLIUM	4.70	J	UG/L	0.00	10.00	2.00	X
MW-25	W25SSA	09/14/1999	IM40MB	THALLIUM	5.30	J	UG/L	0.00	10.00	2.00	X
MW-3	W03DDA	12/20/2000	IM40MB	THALLIUM	3.30		UG/L	219.00	224.00	2.00	X
MW-35	W35SSA	12/18/2000	IM40MB	THALLIUM	2.90	J	UG/L	0.00	10.00	2.00	X
MW-37	W37M2A	12/29/1999	IM40MB	THALLIUM	4.90	J	UG/L	26.00	36.00	2.00	X
MW-38	W38M4A	08/18/1999	IM40MB	THALLIUM	2.80	J	UG/L	14.00	24.00	2.00	X
MW-38	W38M2A	05/11/1999	IM40MB	THALLIUM	4.90	J	UG/L	69.00	79.00	2.00	X
MW-38	W38DDA	08/22/2001	IM40MB	THALLIUM	3.00	J	UG/L	124.00	134.00	2.00	X
MW-39	W39M1A	12/21/2000	IM40MB	THALLIUM	4.00		UG/L	84.00	94.00	2.00	X
MW-41	W41M2A	04/02/1999	IM40MB	THALLIUM	2.50	J	UG/L	67.00	77.00	2.00	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH NOVEMBER 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-42	W42M2A	11/19/1999	IM40MB	THALLIUM	4.00	J	UG/L	118.00	128.00	2.00	X
MW-44	W44SSA	08/24/2001	IM40MB	THALLIUM	3.00	J	UG/L	0.00	10.00	2.00	X
MW-45	W45SSA	05/26/1999	IM40MB	THALLIUM	3.00	J	UG/L	0.00	10.00	2.00	X
MW-45	W45SSA	08/31/2000	IM40MB	THALLIUM	4.40	J	UG/L	0.00	10.00	2.00	X
MW-46	W46M1A	05/16/2000	IM40MB	THALLIUM	5.30	J	UG/L	103.00	113.00	2.00	X
MW-46	W46DDA	11/02/1999	IM40MB	THALLIUM	5.10	J	UG/L	136.00	146.00	2.00	X
MW-47	W47M3A	08/25/1999	IM40MB	THALLIUM	3.20	J	UG/L	21.00	31.00	2.00	X
MW-47	W47M3A	05/31/2000	IM40MB	THALLIUM	5.00	J	UG/L	21.00	31.00	2.00	X
MW-47	W47M2A	03/26/1999	IM40MB	THALLIUM	3.20	J	UG/L	38.00	48.00	2.00	X
MW-47	W47M2A	08/25/1999	IM40MB	THALLIUM	4.00	J	UG/L	38.00	48.00	2.00	X
MW-47	W47M2A	05/30/2000	IM40MB	THALLIUM	4.50	J	UG/L	38.00	48.00	2.00	X
MW-47	W47M1A	08/24/1999	IM40MB	THALLIUM	2.60	J	UG/L	75.00	85.00	2.00	X
MW-48	W48M3A	02/28/2000	IM40MB	THALLIUM	4.20	J	UG/L	31.00	41.00	2.00	X
MW-48	W48DAA	06/26/2000	IM40MB	THALLIUM	4.70	J	UG/L	121.00	131.00	2.00	X
MW-49	W49SSA	11/19/1999	IM40MB	THALLIUM	4.70	J	UG/L	0.00	10.00	2.00	X
MW-49	W49M3D	06/27/2000	IM40MB	THALLIUM	4.30	J	UG/L	31.00	41.00	2.00	X
MW-50	W50M1A	05/15/2000	IM40MB	THALLIUM	6.20	J	UG/L	89.00	99.00	2.00	X
MW-51	W51M3A	08/25/1999	IM40MB	THALLIUM	4.30	J	UG/L	28.00	38.00	2.00	X
MW-52	W52SSA	08/26/1999	IM40MB	THALLIUM	3.60	J	UG/L	0.00	10.00	2.00	X
MW-52	W52SSA	11/18/1999	IM40MB	THALLIUM	4.30	J	UG/L	0.00	10.00	2.00	X
MW-52	W52SSA	05/23/2000	IM40MB	THALLIUM	4.70	J	UG/L	0.00	10.00	2.00	X
MW-52	W52M3L	04/07/1999	IM40MB	THALLIUM	3.60	J	UG/L	59.00	64.00	2.00	X
MW-52	W52DDA	04/02/1999	IM40MB	THALLIUM	2.80	J	UG/L	218.00	228.00	2.00	X
MW-52	W52DDL	04/02/1999	IM40MB	THALLIUM	2.60	J	UG/L	218.00	228.00	2.00	X
MW-52	W52DDA	08/30/1999	IM40MB	THALLIUM	3.80	J	UG/L	218.00	228.00	2.00	X
MW-53	W53M1A	11/05/1999	IM40MB	THALLIUM	3.40	J	UG/L	99.00	109.00	2.00	X
MW-54	W54SSA	11/08/1999	IM40MB	THALLIUM	7.40	J	UG/L	0.00	10.00	2.00	X
MW-54	W54SSA	06/06/2000	IM40MB	THALLIUM	4.60	J	UG/L	0.00	10.00	2.00	X
MW-54	W54SSA	11/15/2000	IM40MB	THALLIUM	3.10	J	UG/L	0.00	10.00	2.00	X
MW-54	W54M1A	08/30/1999	IM40MB	THALLIUM	2.80	J	UG/L	79.00	89.00	2.00	X
MW-54	W54M1A	11/05/1999	IM40MB	THALLIUM	3.90	J	UG/L	79.00	89.00	2.00	X
MW-55	W55M1A	08/31/1999	IM40MB	THALLIUM	2.50	J	UG/L	89.00	99.00	2.00	X
MW-56	W56SSA	09/05/2000	IM40MB	THALLIUM	4.00	J	UG/L	1.00	11.00	2.00	X

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TABLE 3
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1997 THROUGH NOVEMBER 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-56	W56M3A	09/05/2000	IM40MB	THALLIUM	6.10	J	UG/L	31.00	41.00	2.00	X
MW-56	W56M3D	09/05/2000	IM40MB	THALLIUM	4.40	J	UG/L	31.00	41.00	2.00	X
MW-57	W57M2A	03/22/2000	IM40MB	THALLIUM	4.10	J	UG/L	62.00	72.00	2.00	X
MW-58	W58SSA	05/11/2000	IM40MB	THALLIUM	7.30	J	UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	12/20/2000	IM40MB	THALLIUM	2.00	J	UG/L	0.00	10.00	2.00	X
MW-61	W61SSA	08/22/2001	IM40MB	THALLIUM	3.70	J	UG/L	0.00	10.00	2.00	X
MW-64	W64M1A	02/07/2000	IM40MB	THALLIUM	4.10	J	UG/L	38.00	48.00	2.00	X
MW-7	W07M2L	02/05/1998	IM40MB	THALLIUM	6.60	J	UG/L	65.00	70.00	2.00	X
MW-7	W07M2A	02/24/1999	IM40MB	THALLIUM	4.40	J	UG/L	65.00	70.00	2.00	X
MW-7	W07MMA	02/23/1999	IM40MB	THALLIUM	4.10	J	UG/L	135.00	140.00	2.00	X
MW-7	W07M1A	09/07/1999	IM40MB	THALLIUM	26.20		UG/L	135.00	140.00	2.00	X
MW-7	W07M1D	09/07/1999	IM40MB	THALLIUM	12.70		UG/L	135.00	140.00	2.00	X
MW-72	W72SSA	05/27/1999	IM40MB	THALLIUM	4.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	12/19/2000	IM40MB	THALLIUM	4.30		UG/L	0.00	10.00	2.00	X
MW-73	W73SSD	12/19/2000	IM40MB	THALLIUM	2.00	J	UG/L	0.00	10.00	2.00	X
MW-83	W83SSA	01/13/2000	IM40MB	THALLIUM	3.60	J	UG/L	0.00	10.00	2.00	X
MW-84	W84SSA	10/21/1999	IM40MB	THALLIUM	3.20	J	UG/L	17.00	27.00	2.00	X
MW-84	W84M3A	08/27/2001	IM40MB	THALLIUM	5.00	J	UG/L	42.00	52.00	2.00	X
MW-84	W84DDA	08/23/2001	IM40MB	THALLIUM	4.00	J	UG/L	153.00	163.00	2.00	X
MW-94	W94M2A	01/11/2001	IM40MB	THALLIUM	2.00	J	UG/L	16.00	26.00	2.00	X
MW-94	W94M2A	10/02/2001	IM40MB	THALLIUM	2.30	J	UG/L	16.00	26.00	2.00	X
PPAWSMW-1	PPAWSMW-1	06/22/1999	IM40MB	THALLIUM	3.10	J	UG/L	0.00	10.00	2.00	X
SMR-2	WSMR2A	03/25/1999	IM40MB	THALLIUM	2.00	J	UG/L	19.00	29.00	2.00	X
95-14	W9514A	09/28/1999	IM40MB	ZINC	2,430.00		UG/L	90.00	100.00	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	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	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
ASPWELL	ASPWELL	12/12/2000	IM40PB	LEAD	20.90		UG/L			15.00	X
MW-41	W41M1A	08/19/1999	OC21B	2,6-DINITROTOLUENE	5.00	J	UG/L	108.00	118.00	5.00	X
03MW0122A	WS122A	09/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	12.00		UG/L	1.00	11.00	6.00	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH NOVEMBER 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
11MW0003	WF143A	02/25/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	9.00		UG/L			6.00	X
11MW0003	WF143A	09/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	24.00		UG/L			6.00	X
15MW0004	15MW0004	04/09/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	6.00		UG/L	0.00	10.00	6.00	X
15MW0008	15MW0008D	04/12/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	25.00	J	UG/L	0.00	10.00	6.00	X
28MW0106	WL28XA	02/19/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	18.00	J	UG/L	0.00	10.00	6.00	X
28MW0106	WL28XA	03/23/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	26.00		UG/L	0.00	10.00	6.00	X
58MW0002	WC2XXA	02/26/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	36.00		UG/L	0.00	5.00	6.00	X
58MW0005E	WC5EXA	09/27/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	8.00		UG/L	0.00	10.00	6.00	X
58MW0006E	WC6EXA	10/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	59.00		UG/L	0.00	10.00	6.00	X
58MW0006E	WC6EXD	10/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	57.00		UG/L	0.00	10.00	6.00	X
58MW0006E	WC6EXA	01/29/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	6.00		UG/L	0.00	10.00	6.00	X
58MW0007C	WC7CXA	09/28/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	13.00		UG/L	24.00	29.00	6.00	X
90MW0054	WF12XA	10/04/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	13.00	J	UG/L	91.83	96.83	6.00	X
90WT0003	WF03XA	09/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	58.00		UG/L	0.00	10.00	6.00	X
90WT0005	WF05XA	01/13/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	47.00		UG/L	0.00	10.00	6.00	X
90WT0013	WF13XA	01/16/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	34.00		UG/L	0.00	10.00	6.00	X
90WT0013	WF13XA	01/14/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	16.00		UG/L	0.00	10.00	6.00	X
95-14	W9514A	09/28/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	22.00		UG/L	90.00	100.00	6.00	X
97-1	W9701A	11/19/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	54.00	J	UG/L	62.00	72.00	6.00	X
97-1	W9701D	11/19/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	28.00	J	UG/L	62.00	72.00	6.00	X
97-2	W9702A	11/20/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	7.00		UG/L	53.00	63.00	6.00	X
97-3	W9703A	11/21/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	73.00	J	UG/L	36.00	46.00	6.00	X
97-5	W9705A	11/20/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	15.00		UG/L	76.00	86.00	6.00	X
BHW215083	WG083A	11/26/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	13.00		UG/L	16.95	26.95	6.00	X
LRWS1-4	WL14XA	10/06/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	78.00	J	UG/L	107.00	117.00	6.00	X
LRWS2-3	WL23XA	11/21/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	20.00	J	UG/L	68.00	83.00	6.00	X
LRWS2-6	WL26XA	10/20/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	21.00		UG/L	75.00	90.00	6.00	X
LRWS2-6	WL26XA	10/04/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	9.00	J	UG/L	75.00	90.00	6.00	X
LRWS4-1	WL41XA	11/24/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	100.00		UG/L	66.00	91.00	6.00	X
LRWS5-1	WL51XA	11/25/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	7.00		UG/L	66.00	91.00	6.00	X
MW-10	W10SSA	09/16/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	39.00		UG/L	0.00	10.00	6.00	X
MW-11	W11SSA	11/06/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	33.00	J	UG/L	0.00	10.00	6.00	X
MW-11	W11SSD	11/06/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	23.00	J	UG/L	0.00	10.00	6.00	X

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH NOVEMBER 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-12	W12SSA	11/06/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	28.00		UG/L	0.00	10.00	6.00	X
MW-14	W14SSA	11/04/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	14.00		UG/L	0.00	10.00	6.00	X
MW-16	W16SSA	11/17/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	28.00		UG/L	0.00	10.00	6.00	X
MW-16	W16DDA	11/17/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	43.00		UG/L	223.00	228.00	6.00	X
MW-17	W17SSD	11/10/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	120.00	J	UG/L	0.00	10.00	6.00	X
MW-17	W17DDA	11/11/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	42.00		UG/L	196.00	206.00	6.00	X
MW-18	W18SSA	10/10/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	36.00		UG/L	0.00	10.00	6.00	X
MW-18	W18DDA	09/10/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	11.00		UG/L	222.00	232.00	6.00	X
MW-19	W19DDA	03/04/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	7.00		UG/L	254.00	259.00	6.00	X
MW-2	W02M2A	01/20/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	24.00		UG/L	33.00	38.00	6.00	X
MW-2	W02M1A	01/21/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	10.00	J	UG/L	75.00	80.00	6.00	X
MW-2	W02DDA	02/02/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	9.00		UG/L	218.00	223.00	6.00	X
MW-20	W20SSA	11/07/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	280.00		UG/L	0.00	10.00	6.00	X
MW-21	W21M2A	04/01/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	8.00		UG/L	58.00	68.00	6.00	X
MW-22	W22SSA	11/24/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	96.00		UG/L	0.00	10.00	6.00	X
MW-22	W22SSA	09/20/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	18.00		UG/L	0.00	10.00	6.00	X
MW-23	W23SSA	10/27/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	24.00		UG/L	0.00	10.00	6.00	X
MW-23	W23M3A	11/13/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	10.00		UG/L	34.00	39.00	6.00	X
MW-23	W23M3D	11/13/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	13.00		UG/L	34.00	39.00	6.00	X
MW-24	W24SSA	11/14/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	8.00		UG/L	0.00	10.00	6.00	X
MW-27	W27SSA	09/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	9.00		UG/L	0.00	10.00	6.00	X
MW-28	W28SSA	11/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	11.00		UG/L	0.00	10.00	6.00	X
MW-28	W28SSA	09/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	150.00	J	UG/L	0.00	10.00	6.00	X
MW-29	W29SSA	11/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	16.00		UG/L	0.00	10.00	6.00	X
MW-29	W29SSA	09/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	20.00		UG/L	0.00	10.00	6.00	X
MW-36	W36M2A	08/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	8.00		UG/L	54.00	64.00	6.00	X
MW-38	W38M3A	05/06/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	15.00		UG/L	52.00	62.00	6.00	X
MW-4	W04SSA	11/04/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	30.00		UG/L	0.00	10.00	6.00	X
MW-41	W41M2A	11/12/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	7.00		UG/L	67.00	77.00	6.00	X
MW-43	W43M1A	05/26/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	6.00		UG/L	90.00	100.00	6.00	X
MW-44	W44M1A	09/20/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	14.00		UG/L	53.00	63.00	6.00	X
MW-45	W45M1A	05/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	37.00		UG/L	98.00	108.00	6.00	X
MW-46	W46M1A	11/01/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	6.00	J	UG/L	103.00	113.00	6.00	X

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1997 THROUGH NOVEMBER 2002

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MW-46	W46DDA	11/02/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	14.00	J	UG/L	136.00	146.00	6.00	X
MW-47	W47M1A	08/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	14.00		UG/L	75.00	85.00	6.00	X
MW-47	W47DDA	08/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	16.00		UG/L	100.00	110.00	6.00	X
MW-49	W49SSA	03/01/2000	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	290.00		UG/L	0.00	10.00	6.00	X
MW-5	W05DDA	02/13/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	9.00	J	UG/L	223.00	228.00	6.00	X
MW-52	W52M3A	08/27/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	7.00	J	UG/L	59.00	64.00	6.00	X
MW-53	W53M1A	08/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	31.00		UG/L	99.00	109.00	6.00	X
MW-53	W53DDA	02/18/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	18.00		UG/L	158.00	168.00	6.00	X
MW-55	W55DDA	05/13/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	8.00		UG/L	119.00	129.00	6.00	X
MW-57	W57SSA	12/21/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	3,300.00	J	UG/L	0.00	10.00	6.00	X
MW-57	W57M2A	06/30/2000	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	7.00		UG/L	62.00	72.00	6.00	X
MW-57	W57DDA	12/13/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	95.00		UG/L	127.00	137.00	6.00	X
MW-7	W07SSA	10/31/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	10.00		UG/L	0.00	10.00	6.00	X
MW-70	W70M1A	10/27/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	10.00		UG/L	129.00	139.00	6.00	X
MW-84	W84DDA	03/03/2000	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	30.00		UG/L	153.00	163.00	6.00	X
RW-1	WRW1XA	02/18/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	59.00		UG/L	0.00	9.00	6.00	X
RW-1	WRW1XD	10/06/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	11.00	J	UG/L	0.00	9.00	6.00	X
90MW0003	WF03MA	10/07/1999	OC21V	1,2-DICHLOROETHANE	5.00		UG/L	52.11	57.11	5.00	X
MW-187	W187DDA	01/23/2002	OC21V	BENZENE	1,000.00		UG/L	199.50	209.50	5.00	X
MW-187	W187DDA	02/11/2002	OC21V	BENZENE	1,300.00		UG/L	199.50	209.50	5.00	X
MW-187	W187DDA	07/11/2002	OC21V	BENZENE	530.00	J	UG/L	199.50	209.50	5.00	X
02-12	W02-12M1A	06/12/2002	OC21V	CHLOROMETHANE	4.00		UG/L	58.35	68.35	3.00	X
MW-187	W187DDA	01/23/2002	OC21V	CHLOROMETHANE	75.00	J	UG/L	199.50	209.50	3.00	X
MW-187	W187DDA	02/11/2002	OC21V	CHLOROMETHANE	47.00	J	UG/L	199.50	209.50	3.00	X
03MW0007A	03MW0007A	04/13/1999	OC21V	TETRACHLOROETHYLENE(PC	6.00		UG/L	21.00	26.00	5.00	X
03MW0014A	03MW0014A	04/13/1999	OC21V	TETRACHLOROETHYLENE(PC	8.00		UG/L	38.00	43.00	5.00	X
03MW0020	03MW0020	04/14/1999	OC21V	TETRACHLOROETHYLENE(PC	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
MW-45	W45SSA	12/27/2000	OC21V	TOLUENE	1,300.00		UG/L	0.00	10.00	1,000.00	X
MW-45	W45SSA	12/14/2001	OC21V	TOLUENE	1,300.00		UG/L	0.00	10.00	1,000.00	X
27MW0017B	27MW0017B	04/30/1999	OC21V	VINYL CHLORIDE	2.00		UG/L	21.00	26.00	2.00	X
PPAWSMW-1	PPAWSMW-1	06/22/1999	OL21P	DIELDRIN	3.00		UG/L	0.00	10.00	0.50	X

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27MW0705	27MW0705	01/08/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	7.50	J	UG/L	0.00	10.00	6.00	X
27MW2061	27MW2061	01/09/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	12.00	J	UG/L	0.00	10.00	6.00	X
MW-142	W142M2A	01/29/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	11.00		UG/L	100.00	110.00	6.00	X
MW-142	W142M1A	01/29/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	20.00		UG/L	185.00	195.00	6.00	X
MW-146	W146M1A	02/23/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	8.40		UG/L	75.00	80.00	6.00	X
MW-146	W146M1A	06/19/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	8.20		UG/L	75.00	80.00	6.00	X
MW-157	W157DDA	05/03/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	8.10		UG/L	199.00	209.00	6.00	X
MW-158	W158M2A	10/15/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	34.00	J	UG/L	37.00	47.00	6.00	X
MW-164	W164M1A	09/05/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	8.60		UG/L	119.00	129.00	6.00	X
MW-168	W168M2A	06/05/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	9.00		UG/L	116.00	126.00	6.00	X
MW-168	W168M1A	06/04/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	6.70		UG/L	174.00	184.00	6.00	X
MW-188	W188M1A	01/30/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	9.40		UG/L	41.10	51.10	6.00	X
MW-196	W196M1A	02/06/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	10.00	J	UG/L	12.00	17.00	6.00	X
MW-28	W28M1A	01/12/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	9.70		UG/L	173.00	183.00	6.00	X
MW-55	W55DDA	07/31/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	6.40		UG/L	119.00	129.00	6.00	X
MW-82	W82DDA	08/22/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	24.00		UG/L	97.00	107.00	6.00	X
MW-187	W187DDA	01/23/2002	VPHMA	BENZENE	760.00	J	UG/L	199.50	209.50	5.00	X
MW-187	W187DDA	02/11/2002	VPHMA	BENZENE	1,300.00		UG/L	199.50	209.50	5.00	X
MW-187	W187DDA	02/11/2002	VPHMA	TERT-BUTYL METHYL ETHER	30.00		UG/L	199.50	209.50	20.00	X

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

TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 10/24/02 - 11/31/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
W02-09M1A	02-09	11/06/2002	GROUNDWATER	74.00	84.00	65.26	75.26	E314.0	PERCHLORATE	
W02-09M2A	02-09	11/06/2002	GROUNDWATER	59.00	69.00	50.30	60.30	E314.0	PERCHLORATE	
W02-13M1A	02-13	11/05/2002	GROUNDWATER	98.00	108.00	58.33	68.33	E314.0	PERCHLORATE	
W02-13M2A	02-13	11/11/2002	GROUNDWATER	83.00	93.00	44.20	54.20	E314.0	PERCHLORATE	
W02-13M3A	02-13	11/11/2002	GROUNDWATER	68.00	78.00	28.30	38.30	E314.0	PERCHLORATE	
W02-13M3D	02-13	11/05/2002	GROUNDWATER	68.00	78.00	28.30	38.30	E314.0	PERCHLORATE	
W197M2A	MW-197	10/29/2002	GROUNDWATER	80.00	85.00	59.30	64.30	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W197M3A	MW-197	10/30/2002	GROUNDWATER	60.00	65.00	39.40	44.40	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W198M3A	MW-198	11/06/2002	GROUNDWATER	100.00	105.00	78.50	83.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W198M3A	MW-198	11/06/2002	GROUNDWATER	100.00	105.00	78.50	83.50	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W198M4A	MW-198	11/01/2002	GROUNDWATER	70.00	75.00	48.40	53.40	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W198M4A	MW-198	11/01/2002	GROUNDWATER	70.00	75.00	48.40	53.40	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W201M1A	MW-201	11/08/2002	GROUNDWATER	306.00	316.00	106.90	116.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W201M2A	MW-201	11/08/2002	GROUNDWATER	286.00	296.00	86.90	96.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W201M2D	MW-201	11/08/2002	GROUNDWATER	286.00	296.00	86.90	96.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W204M1A	MW-204	10/31/2002	GROUNDWATER	141.00	151.00	81.00	91.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W204M2A	MW-204	10/31/2002	GROUNDWATER	76.00	86.00	17.20	27.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W204M2A	MW-204	10/31/2002	GROUNDWATER	76.00	86.00	17.20	27.20	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W205M1A	MW-205	10/30/2002	GROUNDWATER	167.00	177.00	67.60	77.60	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W210M2A	MW-210	10/28/2002	GROUNDWATER	156.00	166.00	54.69	64.69	E314.0	PERCHLORATE	
W211M1D	MW-211	10/28/2002	GROUNDWATER	200.00	210.00	55.00	65.00	E314.0	PERCHLORATE	
W211M2A	MW-211	10/29/2002	GROUNDWATER	175.00	185.00	29.70	39.70	E314.0	PERCHLORATE	
W214M2A	MW-214	11/04/2002	GROUNDWATER	165.00	175.00	78.45	88.45	E314.0	PERCHLORATE	
W215M1A	MW-215	10/28/2002	GROUNDWATER	240.00	250.00	133.85	143.85	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W216SSA	MW-216	11/21/2002	GROUNDWATER	199.00	209.00	0.00	7.13	E314.0	PERCHLORATE	
W223M2A	MW-223	11/05/2002	GROUNDWATER	185.00	195.00	93.31	103.31	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W227M1A	MW-227	11/04/2002	GROUNDWATER	130.00	140.00	76.38	86.38	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W233M1A	MW-233	11/06/2002	GROUNDWATER	356.00	366.00	157.80	167.80	OC21V	TOLUENE	
W233M3A	MW-233	11/07/2002	GROUNDWATER	231.00	241.00	32.80	42.80	E314.0	PERCHLORATE	
W241M1A	MW-241	11/08/2002	GROUNDWATER	97.00	107.00	2.75	12.75	8330N	1,3,5-TRINITROBENZENE	NO
W241M1A	MW-241	11/08/2002	GROUNDWATER	97.00	107.00	2.75	12.75	8330N	1,3-DINITROBENZENE	NO
W241M1A	MW-241	11/08/2002	GROUNDWATER	97.00	107.00	2.75	12.75	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO

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TABLE 4
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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
W241M1A	MW-241	11/08/2002	GROUNDWATER	97.00	107.00	2.75	12.75	8330N	2,6-DINITROTOLUENE	NO
W241M1A	MW-241	11/08/2002	GROUNDWATER	97.00	107.00	2.75	12.75	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
W241M1A	MW-241	11/08/2002	GROUNDWATER	97.00	107.00	2.75	12.75	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
W241M1A	MW-241	11/08/2002	GROUNDWATER	97.00	107.00	2.75	12.75	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
W241M1A	MW-241	11/08/2002	GROUNDWATER	97.00	107.00	2.75	12.75	8330N	NITROBENZENE	NO
W241M1A	MW-241	11/08/2002	GROUNDWATER	97.00	107.00	2.75	12.75	8330N	NITROGLYCERIN	NO
W241M1A	MW-241	11/08/2002	GROUNDWATER	97.00	107.00	2.75	12.75	8330N	PICRIC ACID	NO
W242M1A	MW-242	11/07/2002	GROUNDWATER	235.00	245.00	141.68	151.68	8330N	2,4,6-TRINITROTOLUENE	NO
W242M1A	MW-242	11/07/2002	GROUNDWATER	235.00	245.00	141.68	151.68	8330N	2,6-DINITROTOLUENE	NO
W242M1A	MW-242	11/07/2002	GROUNDWATER	235.00	245.00	141.68	151.68	8330N	2-NITROTOLUENE	NO
W242M1A	MW-242	11/07/2002	GROUNDWATER	235.00	245.00	141.68	151.68	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
W242M1A	MW-242	11/07/2002	GROUNDWATER	235.00	245.00	141.68	151.68	8330N	4-NITROTOLUENE	NO
W242M1A	MW-242	11/07/2002	GROUNDWATER	235.00	245.00	141.68	151.68	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES*
W242M1A	MW-242	11/07/2002	GROUNDWATER	235.00	245.00	141.68	151.68	8330N	PICRIC ACID	NO
W243M2A	MW-243	11/12/2002	GROUNDWATER	84.50	94.50	15.82	25.82	8330N	PICRIC ACID	NO
XXM973-A	97-3	11/07/2002	GROUNDWATER	75.00	85.00	36.00	46.00	OC21V	METHYLENE CHLORIDE	
XXM975-A	97-5	11/07/2002	GROUNDWATER	84.00	94.00	76.00	86.00	E314.0	PERCHLORATE	
W02-02M1A	02-02	11/06/2002	GROUNDWATER	114.50	124.50	63.50	73.50	OC21V	CHLOROFORM	
W02-02M2A	02-02	11/05/2002	GROUNDWATER	94.50	104.50	42.65	55.65	OC21V	CHLOROFORM	
W02-02SSA	02-02	11/06/2002	GROUNDWATER	49.50	59.50	0.00	10.00	OC21V	CHLOROFORM	
W02-12M1A	02-12	11/05/2002	GROUNDWATER	109.00	119.00	58.35	68.35	OC21V	CHLOROFORM	
W02-12M1A	02-12	11/11/2002	GROUNDWATER	109.00	119.00	58.35	68.35	OC21V	CHLOROFORM	
W02-12M1A	02-12	11/19/2002	GROUNDWATER	109.00	119.00	58.35	68.35	OC21V	CHLOROFORM	
W02-12M1A	02-12	11/26/2002	GROUNDWATER	109.00	119.00	58.35	68.35	OC21V	CHLOROFORM	
W02-15M1A	02-15	11/06/2002	GROUNDWATER	125.00	135.00	75.63	85.63	OC21V	CHLOROFORM	
W02-15M2A	02-15	11/06/2002	GROUNDWATER	101.00	111.00	51.50	61.50	OC21V	CHLOROFORM	
W02-15M3A	02-15	11/07/2002	GROUNDWATER	81.00	91.00	31.40	41.40	OC21V	CHLOROFORM	
W216M1A	MW-216	11/21/2002	GROUNDWATER	253.00	263.00	51.19	61.19	OC21V	CHLOROFORM	
W216SSA	MW-216	11/21/2002	GROUNDWATER	199.00	209.00	0.00	7.13	OC21V	CHLOROFORM	
W233M1A	MW-233	11/06/2002	GROUNDWATER	356.00	366.00	157.80	167.80	OC21V	CHLOROFORM	
W233M2A	MW-233	11/07/2002	GROUNDWATER	331.00	341.00	132.80	142.80	OC21V	CHLOROFORM	
W233M3A	MW-233	11/07/2002	GROUNDWATER	231.00	241.00	32.80	42.80	OC21V	CHLOROFORM	

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TABLE 4
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(UNVALIDATED)
SAMPLES COLLECTED 10/24/02 - 11/31/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G246DBA	MW-246	10/30/2002	PROFILE	70.00	70.00	7.30	7.30	8330N	2,6-DINITROTOLUENE	YES*
G246DBA	MW-246	10/30/2002	PROFILE	70.00	70.00	7.30	7.30	8330N	NITROGLYCERIN	NO
G246DBA	MW-246	10/30/2002	PROFILE	70.00	70.00	7.30	7.30	OC21V	ACETONE	
G246DBA	MW-246	10/30/2002	PROFILE	70.00	70.00	7.30	7.30	OC21V	METHYL ETHYL KETONE (2-BUT/	
G246DSA	MW-246	11/01/2002	PROFILE	240.00	240.00	177.30	177.30	8330N	2,6-DINITROTOLUENE	NO*
G246DSA	MW-246	11/01/2002	PROFILE	240.00	240.00	177.30	177.30	8330N	NITROGLYCERIN	NO
G246DSA	MW-246	11/01/2002	PROFILE	240.00	240.00	177.30	177.30	8330N	PICRIC ACID	NO
G246DSA	MW-246	11/01/2002	PROFILE	240.00	240.00	177.30	177.30	OC21V	ACETONE	
G246DSA	MW-246	11/01/2002	PROFILE	240.00	240.00	177.30	177.30	OC21V	CHLOROFORM	
G246DTA	MW-246	11/01/2002	PROFILE	250.00	250.00	187.30	187.30	OC21V	METHYL ETHYL KETONE (2-BUT/	
G246DUA	MW-246	11/01/2002	PROFILE	255.00	255.00	192.30	192.30	8330N	NITROGLYCERIN	NO
G246DUA	MW-246	11/01/2002	PROFILE	255.00	255.00	192.30	192.30	OC21V	ACETONE	
G246DAA	MW-246	10/30/2002	PROFILE	65.00	65.00	2.30	2.30	8330N	NITROGLYCERIN	
G246DAA	MW-246	10/30/2002	PROFILE	65.00	65.00	2.30	2.30	OC21V	ACETONE	
G246DAA	MW-246	10/30/2002	PROFILE	65.00	65.00	2.30	2.30	OC21V	CARBON DISULFIDE	
G246DAA	MW-246	10/30/2002	PROFILE	65.00	65.00	2.30	2.30	OC21V	METHYL ETHYL KETONE (2-BUT/	
G246DCA	MW-246	10/30/2002	PROFILE	80.00	80.00	17.30	17.30	8330N	NITROGLYCERIN	
G246DCA	MW-246	10/30/2002	PROFILE	80.00	80.00	17.30	17.30	OC21V	CHLOROFORM	
G246DCA	MW-246	10/30/2002	PROFILE	80.00	80.00	17.30	17.30	OC21V	METHYL ETHYL KETONE (2-BUT/	
G246DDA	MW-246	10/30/2002	PROFILE	90.00	90.00	27.30	27.30	OC21V	CHLOROFORM	
G246DDA	MW-246	10/30/2002	PROFILE	90.00	90.00	27.30	27.30	OC21V	METHYL ETHYL KETONE (2-BUT/	
G246DEA	MW-246	10/30/2002	PROFILE	100.00	100.00	37.30	37.30	E314.0	PERCHLORATE	
G246DEA	MW-246	10/30/2002	PROFILE	100.00	100.00	37.30	37.30	OC21V	CHLOROFORM	
G246DFA	MW-246	10/30/2002	PROFILE	110.00	110.00	47.30	47.30	8330N	NITROGLYCERIN	
G246DFA	MW-246	10/30/2002	PROFILE	110.00	110.00	47.30	47.30	OC21V	CHLOROFORM	
G246DFD	MW-246	10/30/2002	PROFILE	110.00	110.00	47.30	47.30	8330N	NITROGLYCERIN	
G246DFD	MW-246	10/30/2002	PROFILE	110.00	110.00	47.30	47.30	OC21V	CHLOROFORM	
G246DGA	MW-246	10/30/2002	PROFILE	120.00	120.00	57.30	57.30	OC21V	CHLOROFORM	
G246DHA	MW-246	10/30/2002	PROFILE	130.00	130.00	67.30	67.30	OC21V	CHLOROFORM	
G246DIA	MW-246	10/31/2002	PROFILE	140.00	140.00	77.30	77.30	OC21V	CHLOROFORM	
G246DLA	MW-246	10/31/2002	PROFILE	170.00	170.00	107.30	107.30	OC21V	CHLOROFORM	
G246DMA	MW-246	10/31/2002	PROFILE	180.00	180.00	117.30	117.30	OC21V	CHLOROFORM	

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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G246DNA	MW-246	10/31/2002	PROFILE	190.00	190.00	127.30	127.30	OC21V	CHLOROFORM	
G246DOA	MW-246	10/31/2002	PROFILE	200.00	200.00	137.30	137.30	8330N	1,3,5-TRINITROBENZENE	
G246DOA	MW-246	10/31/2002	PROFILE	200.00	200.00	137.30	137.30	8330N	2,6-DINITROTOLUENE	
G246DOA	MW-246	10/31/2002	PROFILE	200.00	200.00	137.30	137.30	8330N	NITROGLYCERIN	
G246DOA	MW-246	10/31/2002	PROFILE	200.00	200.00	137.30	137.30	8330N	PICRIC ACID	
G246DOA	MW-246	10/31/2002	PROFILE	200.00	200.00	137.30	137.30	OC21V	ACETONE	
G246DOA	MW-246	10/31/2002	PROFILE	200.00	200.00	137.30	137.30	OC21V	CARBON DISULFIDE	
G246DOA	MW-246	10/31/2002	PROFILE	200.00	200.00	137.30	137.30	OC21V	METHYL ETHYL KETONE (2-BUT/	
G246DPA	MW-246	10/31/2002	PROFILE	210.00	210.00	147.30	147.30	8330N	2,6-DINITROTOLUENE	
G246DPA	MW-246	10/31/2002	PROFILE	210.00	210.00	147.30	147.30	8330N	NITROGLYCERIN	
G246DPA	MW-246	10/31/2002	PROFILE	210.00	210.00	147.30	147.30	8330N	PICRIC ACID	
G246DPA	MW-246	10/31/2002	PROFILE	210.00	210.00	147.30	147.30	OC21V	ACETONE	
G246DPA	MW-246	10/31/2002	PROFILE	210.00	210.00	147.30	147.30	OC21V	CARBON DISULFIDE	
G246DPA	MW-246	10/31/2002	PROFILE	210.00	210.00	147.30	147.30	OC21V	CHLOROFORM	
G246DQA	MW-246	10/31/2002	PROFILE	220.00	220.00	157.30	157.30	OC21V	ACETONE	
G246DQA	MW-246	10/31/2002	PROFILE	220.00	220.00	157.30	157.30	OC21V	CHLOROFORM	
G246DRA	MW-246	10/31/2002	PROFILE	230.00	230.00	167.30	167.30	8330N	NITROGLYCERIN	
G246DRA	MW-246	10/31/2002	PROFILE	230.00	230.00	167.30	167.30	OC21V	ACETONE	
G246DRA	MW-246	10/31/2002	PROFILE	230.00	230.00	167.30	167.30	OC21V	CHLOROFORM	
G247DJA	MW-247	11/01/2002	PROFILE	120.00	120.00	96.39	96.39	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G247DJA	MW-247	11/01/2002	PROFILE	120.00	120.00	96.39	96.39	E314.0	PERCHLORATE	
G247DJA	MW-247	11/01/2002	PROFILE	120.00	120.00	96.39	96.39	OC21V	ACETONE	
G247DJA	MW-247	11/01/2002	PROFILE	120.00	120.00	96.39	96.39	OC21V	CHLOROFORM	
G247DJA	MW-247	11/01/2002	PROFILE	120.00	120.00	96.39	96.39	OC21V	CHLOROMETHANE	
G247DJA	MW-247	11/01/2002	PROFILE	120.00	120.00	96.39	96.39	OC21V	METHYL ETHYL KETONE (2-BUT/	
G247DKA	MW-247	11/01/2002	PROFILE	130.00	130.00	106.39	106.39	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G247DKA	MW-247	11/01/2002	PROFILE	130.00	130.00	106.39	106.39	E314.0	PERCHLORATE	
G247DKA	MW-247	11/01/2002	PROFILE	130.00	130.00	106.39	106.39	OC21V	ACETONE	
G247DKA	MW-247	11/01/2002	PROFILE	130.00	130.00	106.39	106.39	OC21V	CHLOROFORM	
G247DKA	MW-247	11/01/2002	PROFILE	130.00	130.00	106.39	106.39	OC21V	METHYL ETHYL KETONE (2-BUT/	
G247DLA	MW-247	11/01/2002	PROFILE	140.00	140.00	116.39	116.39	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G247DLA	MW-247	11/01/2002	PROFILE	140.00	140.00	116.39	116.39	E314.0	PERCHLORATE	

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SED = SAMPLE COLLECTION END DEPTH IN FEET BGS
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BWTE = DEPTH BELOW WATER TABLE, END DEPTH, MEASURED IN FEET
PDA/YES = Photo Diode Array, Detect Confirmed
PDA/NO = Photo Diode Array, Detect Not Confirmed
* = Interference in sample

TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 10/24/02 - 11/31/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G247DLA	MW-247	11/01/2002	PROFILE	140.00	140.00	116.39	116.39	OC21V	ACETONE	
G247DLA	MW-247	11/01/2002	PROFILE	140.00	140.00	116.39	116.39	OC21V	CHLOROFORM	
G247DLA	MW-247	11/01/2002	PROFILE	140.00	140.00	116.39	116.39	OC21V	METHYL ETHYL KETONE (2-BUT/	
G247DMA	MW-247	11/01/2002	PROFILE	150.00	150.00	126.39	126.39	E314.0	PERCHLORATE	
G247DMA	MW-247	11/01/2002	PROFILE	150.00	150.00	126.39	126.39	OC21V	ACETONE	
G247DMA	MW-247	11/01/2002	PROFILE	150.00	150.00	126.39	126.39	OC21V	CHLOROFORM	
G247DMA	MW-247	11/01/2002	PROFILE	150.00	150.00	126.39	126.39	OC21V	METHYL ETHYL KETONE (2-BUT/	
G247DNA	MW-247	11/01/2002	PROFILE	160.00	160.00	136.39	136.39	E314.0	PERCHLORATE	
G247DNA	MW-247	11/01/2002	PROFILE	160.00	160.00	136.39	136.39	OC21V	ACETONE	
G247DNA	MW-247	11/01/2002	PROFILE	160.00	160.00	136.39	136.39	OC21V	CHLOROFORM	
G247DNA	MW-247	11/01/2002	PROFILE	160.00	160.00	136.39	136.39	OC21V	METHYL ETHYL KETONE (2-BUT/	
G247DOA	MW-247	11/01/2002	PROFILE	170.00	170.00	146.39	146.39	E314.0	PERCHLORATE	
G247DOA	MW-247	11/01/2002	PROFILE	170.00	170.00	146.39	146.39	OC21V	ACETONE	
G247DOA	MW-247	11/01/2002	PROFILE	170.00	170.00	146.39	146.39	OC21V	CHLOROFORM	
G247DOA	MW-247	11/01/2002	PROFILE	170.00	170.00	146.39	146.39	OC21V	METHYL ETHYL KETONE (2-BUT/	
G247DPA	MW-247	11/06/2002	PROFILE	180.00	180.00	156.39	156.39	8330N	3-NITROTOLUENE	NO
G247DPA	MW-247	11/06/2002	PROFILE	180.00	180.00	156.39	156.39	8330N	PICRIC ACID	NO
G247DPA	MW-247	11/06/2002	PROFILE	180.00	180.00	156.39	156.39	OC21V	ACETONE	
G247DPA	MW-247	11/06/2002	PROFILE	180.00	180.00	156.39	156.39	OC21V	METHYL ETHYL KETONE (2-BUT/	
G247DPA	MW-247	11/06/2002	PROFILE	180.00	180.00	156.39	156.39	OC21V	TOLUENE	
G247DQA	MW-247	11/06/2002	PROFILE	190.00	190.00	166.39	166.39	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G247DQA	MW-247	11/06/2002	PROFILE	190.00	190.00	166.39	166.39	8330N	PICRIC ACID	NO
G247DQA	MW-247	11/06/2002	PROFILE	190.00	190.00	166.39	166.39	OC21V	ACETONE	
G247DQA	MW-247	11/06/2002	PROFILE	190.00	190.00	166.39	166.39	OC21V	METHYL ETHYL KETONE (2-BUT/	
G247DQA	MW-247	11/06/2002	PROFILE	190.00	190.00	166.39	166.39	OC21V	TOLUENE	
G247DRA	MW-247	11/07/2002	PROFILE	200.00	200.00	176.39	176.39	OC21V	ACETONE	
G247DRA	MW-247	11/07/2002	PROFILE	200.00	200.00	176.39	176.39	OC21V	TOLUENE	
G247DSA	MW-247	11/07/2002	PROFILE	210.00	210.00	186.39	186.39	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G247DSA	MW-247	11/07/2002	PROFILE	210.00	210.00	186.39	186.39	OC21V	ACETONE	
G247DSA	MW-247	11/07/2002	PROFILE	210.00	210.00	186.39	186.39	OC21V	METHYL ETHYL KETONE (2-BUT/	
G247DSA	MW-247	11/07/2002	PROFILE	210.00	210.00	186.39	186.39	OC21V	TOLUENE	
G247DTA	MW-247	11/07/2002	PROFILE	220.00	220.00	196.39	196.39	OC21V	ACETONE	

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(UNVALIDATED)
SAMPLES COLLECTED 10/24/02 - 11/31/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G247DTA	MW-247	11/07/2002	PROFILE	220.00	220.00	196.39	196.39	OC21V	TOLUENE	
G248DAA	MW-248	11/08/2002	PROFILE	120.00	120.00	6.80	6.80	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G248DAA	MW-248	11/08/2002	PROFILE	120.00	120.00	6.80	6.80	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G248DAA	MW-248	11/08/2002	PROFILE	120.00	120.00	6.80	6.80	8330N	NITROGLYCERIN	NO
G248DAA	MW-248	11/08/2002	PROFILE	120.00	120.00	6.80	6.80	8330N	PICRIC ACID	NO
G248DBA	MW-248	11/08/2002	PROFILE	130.00	130.00	16.80	16.80	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G248DBA	MW-248	11/08/2002	PROFILE	130.00	130.00	16.80	16.80	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G248DBA	MW-248	11/08/2002	PROFILE	130.00	130.00	16.80	16.80	8330N	NITROGLYCERIN	NO
G248DBA	MW-248	11/08/2002	PROFILE	130.00	130.00	16.80	16.80	8330N	PICRIC ACID	NO
G248DCA	MW-248	11/08/2002	PROFILE	140.00	140.00	26.80	26.80	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G248DCA	MW-248	11/08/2002	PROFILE	140.00	140.00	26.80	26.80	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G248DCA	MW-248	11/08/2002	PROFILE	140.00	140.00	26.80	26.80	8330N	NITROBENZENE	NO
G248DCA	MW-248	11/08/2002	PROFILE	140.00	140.00	26.80	26.80	8330N	NITROGLYCERIN	NO
G248DDA	MW-248	11/08/2002	PROFILE	150.00	150.00	36.80	36.80	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G248DDA	MW-248	11/08/2002	PROFILE	150.00	150.00	36.80	36.80	8330N	NITROGLYCERIN	NO
G248DDA	MW-248	11/08/2002	PROFILE	150.00	150.00	36.80	36.80	8330N	PICRIC ACID	NO
G248DEA	MW-248	11/08/2002	PROFILE	160.00	160.00	46.80	46.80	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G248DEA	MW-248	11/08/2002	PROFILE	160.00	160.00	46.80	46.80	8330N	NITROGLYCERIN	NO
G248DEA	MW-248	11/08/2002	PROFILE	160.00	160.00	46.80	46.80	8330N	PICRIC ACID	NO
G248DFA	MW-248	11/08/2002	PROFILE	170.00	170.00	56.80	56.80	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G248DFA	MW-248	11/08/2002	PROFILE	170.00	170.00	56.80	56.80	8330N	NITROGLYCERIN	NO
G248DFA	MW-248	11/08/2002	PROFILE	170.00	170.00	56.80	56.80	8330N	PICRIC ACID	NO
G248DGA	MW-248	11/08/2002	PROFILE	180.00	180.00	66.80	66.80	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G248DGA	MW-248	11/08/2002	PROFILE	180.00	180.00	66.80	66.80	8330N	NITROGLYCERIN	NO
G248DGA	MW-248	11/08/2002	PROFILE	180.00	180.00	66.80	66.80	8330N	PICRIC ACID	NO
G248DGD	MW-248	11/08/2002	PROFILE	180.00	180.00	66.80	66.80	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G248DGD	MW-248	11/08/2002	PROFILE	180.00	180.00	66.80	66.80	8330N	NITROGLYCERIN	NO
G248DGD	MW-248	11/08/2002	PROFILE	180.00	180.00	66.80	66.80	8330N	PICRIC ACID	NO
G248DHA	MW-248	11/12/2002	PROFILE	190.00	190.00	76.80	76.80	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G248DHA	MW-248	11/12/2002	PROFILE	190.00	190.00	76.80	76.80	8330N	NITROGLYCERIN	NO
G248DHA	MW-248	11/12/2002	PROFILE	190.00	190.00	76.80	76.80	8330N	PICRIC ACID	NO
G248DIA	MW-248	11/13/2002	PROFILE	200.00	200.00	86.80	86.80	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO*

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DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 10/24/02 - 11/31/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G248DIA	MW-248	11/13/2002	PROFILE	200.00	200.00	86.80	86.80	8330N	NITROGLYCERIN	NO
G248DIA	MW-248	11/13/2002	PROFILE	200.00	200.00	86.80	86.80	8330N	PICRIC ACID	NO
G248DJA	MW-248	11/13/2002	PROFILE	210.00	210.00	96.80	96.80	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G248DJA	MW-248	11/13/2002	PROFILE	210.00	210.00	96.80	96.80	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G248DJA	MW-248	11/13/2002	PROFILE	210.00	210.00	96.80	96.80	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO*
G248DJA	MW-248	11/13/2002	PROFILE	210.00	210.00	96.80	96.80	8330N	NITROBENZENE	NO
G248DJA	MW-248	11/13/2002	PROFILE	210.00	210.00	96.80	96.80	8330N	NITROGLYCERIN	NO
G248DJA	MW-248	11/13/2002	PROFILE	210.00	210.00	96.80	96.80	8330N	PICRIC ACID	NO
G248DKA	MW-248	11/13/2002	PROFILE	220.00	220.00	106.80	106.80	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G248DKA	MW-248	11/13/2002	PROFILE	220.00	220.00	106.80	106.80	8330N	2,6-DINITROTOLUENE	NO*
G248DKA	MW-248	11/13/2002	PROFILE	220.00	220.00	106.80	106.80	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G248DKA	MW-248	11/13/2002	PROFILE	220.00	220.00	106.80	106.80	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO*
G248DKA	MW-248	11/13/2002	PROFILE	220.00	220.00	106.80	106.80	8330N	NITROBENZENE	NO
G248DKA	MW-248	11/13/2002	PROFILE	220.00	220.00	106.80	106.80	8330N	NITROGLYCERIN	NO
G248DKA	MW-248	11/13/2002	PROFILE	220.00	220.00	106.80	106.80	8330N	PICRIC ACID	NO
G248DLA	MW-248	11/14/2002	PROFILE	230.00	230.00	116.80	116.80	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO*
G248DLA	MW-248	11/14/2002	PROFILE	230.00	230.00	116.80	116.80	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO*
G248DLA	MW-248	11/14/2002	PROFILE	230.00	230.00	116.80	116.80	8330N	NITROGLYCERIN	NO
G248DLA	MW-248	11/14/2002	PROFILE	230.00	230.00	116.80	116.80	8330N	PICRIC ACID	NO
G248DMA	MW-248	11/15/2002	PROFILE	240.00	240.00	126.80	126.80	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO*
G248DMA	MW-248	11/15/2002	PROFILE	240.00	240.00	126.80	126.80	8330N	NITROGLYCERIN	NO
G248DNA	MW-248	11/15/2002	PROFILE	250.00	250.00	136.80	136.80	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G248DNA	MW-248	11/15/2002	PROFILE	250.00	250.00	136.80	136.80	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G248DNA	MW-248	11/15/2002	PROFILE	250.00	250.00	136.80	136.80	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO*
G248DNA	MW-248	11/15/2002	PROFILE	250.00	250.00	136.80	136.80	8330N	NITROGLYCERIN	NO
G248DNA	MW-248	11/15/2002	PROFILE	250.00	250.00	136.80	136.80	8330N	PICRIC ACID	NO
G248DOA	MW-248	11/18/2002	PROFILE	260.00	260.00	146.80	146.80	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G248DOA	MW-248	11/18/2002	PROFILE	260.00	260.00	146.80	146.80	8330N	2,6-DINITROTOLUENE	NO*
G248DOA	MW-248	11/18/2002	PROFILE	260.00	260.00	146.80	146.80	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G248DOA	MW-248	11/18/2002	PROFILE	260.00	260.00	146.80	146.80	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G248DOA	MW-248	11/18/2002	PROFILE	260.00	260.00	146.80	146.80	8330N	NITROBENZENE	NO
G248DOA	MW-248	11/18/2002	PROFILE	260.00	260.00	146.80	146.80	8330N	NITROGLYCERIN	NO

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(UNVALIDATED)
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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G248DOA	MW-248	11/18/2002	PROFILE	260.00	260.00	146.80	146.80	8330N	PICRIC ACID	NO
G248DPA	MW-248	11/18/2002	PROFILE	270.00	270.00	156.80	156.80	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G248DPA	MW-248	11/18/2002	PROFILE	270.00	270.00	156.80	156.80	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G248DPA	MW-248	11/18/2002	PROFILE	270.00	270.00	156.80	156.80	8330N	NITROGLYCERIN	NO
G248DPA	MW-248	11/18/2002	PROFILE	270.00	270.00	156.80	156.80	8330N	PICRIC ACID	NO
G249DAA	MW-249	11/20/2002	PROFILE	150.00	150.00	8.60	8.60	8330N	1,3,5-TRINITROBENZENE	NO
G249DAA	MW-249	11/20/2002	PROFILE	150.00	150.00	8.60	8.60	8330N	1,3-DINITROBENZENE	NO
G249DAA	MW-249	11/20/2002	PROFILE	150.00	150.00	8.60	8.60	8330N	2,4,6-TRINITROTOLUENE	NO
G249DAA	MW-249	11/20/2002	PROFILE	150.00	150.00	8.60	8.60	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G249DAA	MW-249	11/20/2002	PROFILE	150.00	150.00	8.60	8.60	8330N	2,6-DINITROTOLUENE	NO*
G249DAA	MW-249	11/20/2002	PROFILE	150.00	150.00	8.60	8.60	8330N	NITROGLYCERIN	NO
G249DAA	MW-249	11/20/2002	PROFILE	150.00	150.00	8.60	8.60	8330N	PICRIC ACID	NO
G249DBA	MW-249	11/20/2002	PROFILE	160.00	160.00	18.60	18.60	8330N	2,4,6-TRINITROTOLUENE	YES
G249DCA	MW-249	11/20/2002	PROFILE	170.00	170.00	28.60	28.60	8330N	2,4,6-TRINITROTOLUENE	NO
G249DCA	MW-249	11/20/2002	PROFILE	170.00	170.00	28.60	28.60	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G249DCA	MW-249	11/20/2002	PROFILE	170.00	170.00	28.60	28.60	8330N	2,6-DINITROTOLUENE	NO*
G249DCA	MW-249	11/20/2002	PROFILE	170.00	170.00	28.60	28.60	8330N	NITROGLYCERIN	NO
G249DCA	MW-249	11/20/2002	PROFILE	170.00	170.00	28.60	28.60	8330N	PICRIC ACID	NO
G249DDA	MW-249	11/20/2002	PROFILE	180.00	180.00	38.60	38.60	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G249DEA	MW-249	11/20/2002	PROFILE	190.00	190.00	48.60	48.60	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G249DEA	MW-249	11/20/2002	PROFILE	190.00	190.00	48.60	48.60	8330N	2,6-DINITROTOLUENE	NO*
G249DEA	MW-249	11/20/2002	PROFILE	190.00	190.00	48.60	48.60	8330N	NITROGLYCERIN	NO
G249DFA	MW-249	11/20/2002	PROFILE	200.00	200.00	58.60	58.60	8330N	NITROGLYCERIN	NO
G249DGA	MW-249	11/20/2002	PROFILE	210.00	210.00	68.60	68.60	8330N	2,4,6-TRINITROTOLUENE	NO
G249DGA	MW-249	11/20/2002	PROFILE	210.00	210.00	68.60	68.60	8330N	2,6-DINITROTOLUENE	NO
G249DGA	MW-249	11/20/2002	PROFILE	210.00	210.00	68.60	68.60	8330N	4-NITROTOLUENE	NO
G249DGA	MW-249	11/20/2002	PROFILE	210.00	210.00	68.60	68.60	8330N	NITROGLYCERIN	NO
G249DGA	MW-249	11/20/2002	PROFILE	210.00	210.00	68.60	68.60	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES*
G249DGA	MW-249	11/20/2002	PROFILE	210.00	210.00	68.60	68.60	8330N	PICRIC ACID	NO
G249DHA	MW-249	11/21/2002	PROFILE	220.00	220.00	78.60	78.60	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G249DHA	MW-249	11/21/2002	PROFILE	220.00	220.00	78.60	78.60	8330N	NITROGLYCERIN	NO
G249DJA	MW-249	11/21/2002	PROFILE	240.00	240.00	98.60	98.60	8330N	NITROGLYCERIN	NO

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(UNVALIDATED)
SAMPLES COLLECTED 10/24/02 - 11/31/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G249DKA	MW-249	11/21/2002	PROFILE	250.00	250.00	108.60	108.60	8330N	1,3,5-TRINITROBENZENE	NO
G249DKA	MW-249	11/21/2002	PROFILE	250.00	250.00	108.60	108.60	8330N	2,4,6-TRINITROTOLUENE	NO
G249DKA	MW-249	11/21/2002	PROFILE	250.00	250.00	108.60	108.60	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G249DKA	MW-249	11/21/2002	PROFILE	250.00	250.00	108.60	108.60	8330N	2,6-DINITROTOLUENE	YES*
G249DKA	MW-249	11/21/2002	PROFILE	250.00	250.00	108.60	108.60	8330N	NITROGLYCERIN	NO
G249DKA	MW-249	11/21/2002	PROFILE	250.00	250.00	108.60	108.60	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES*
G249DLA	MW-249	11/21/2002	PROFILE	260.00	260.00	118.60	118.60	8330N	2,6-DINITROTOLUENE	NO*
G249DLA	MW-249	11/21/2002	PROFILE	260.00	260.00	118.60	118.60	8330N	NITROGLYCERIN	NO
G249DLA	MW-249	11/21/2002	PROFILE	260.00	260.00	118.60	118.60	8330N	PICRIC ACID	NO
G249DMA	MW-249	11/21/2002	PROFILE	270.00	270.00	128.60	128.60	8330N	NITROGLYCERIN	NO
G249DNA	MW-249	11/21/2002	PROFILE	280.00	280.00	138.60	138.60	8330N	NITROGLYCERIN	NO
G249DNA	MW-249	11/21/2002	PROFILE	280.00	280.00	138.60	138.60	8330N	PICRIC ACID	NO
G249DOA	MW-249	11/22/2002	PROFILE	290.00	290.00	148.60	148.60	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G249DOA	MW-249	11/22/2002	PROFILE	290.00	290.00	148.60	148.60	8330N	2,6-DINITROTOLUENE	NO
G249DOA	MW-249	11/22/2002	PROFILE	290.00	290.00	148.60	148.60	8330N	NITROGLYCERIN	NO
G249DPA	MW-249	11/25/2002	PROFILE	300.00	300.00	158.60	158.60	8330N	NITROGLYCERIN	NO
G250DAA	MW-250	11/19/2002	PROFILE	20.00	20.00	7.50	7.50	8330N	NITROGLYCERIN	NO
G250DAA	MW-250	11/19/2002	PROFILE	20.00	20.00	7.50	7.50	8330N	PICRIC ACID	NO
G250DAA	MW-250	11/19/2002	PROFILE	20.00	20.00	7.50	7.50	OC21V	ACETONE	
G250DAA	MW-250	11/19/2002	PROFILE	20.00	20.00	7.50	7.50	OC21V	CHLOROFORM	
G250DAA	MW-250	11/19/2002	PROFILE	20.00	20.00	7.50	7.50	OC21V	TOLUENE	
G250DBA	MW-250	11/19/2002	PROFILE	30.00	30.00	17.50	17.50	8330N	NITROGLYCERIN	NO
G250DBA	MW-250	11/19/2002	PROFILE	30.00	30.00	17.50	17.50	OC21V	CHLOROFORM	
G250DBA	MW-250	11/19/2002	PROFILE	30.00	30.00	17.50	17.50	OC21V	TOLUENE	
G250DCA	MW-250	11/19/2002	PROFILE	40.00	40.00	27.50	27.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO*
G250DCA	MW-250	11/19/2002	PROFILE	40.00	40.00	27.50	27.50	8330N	NITROGLYCERIN	NO
G250DCA	MW-250	11/19/2002	PROFILE	40.00	40.00	27.50	27.50	OC21V	ACETONE	
G250DCA	MW-250	11/19/2002	PROFILE	40.00	40.00	27.50	27.50	OC21V	CHLOROFORM	
G250DCA	MW-250	11/19/2002	PROFILE	40.00	40.00	27.50	27.50	OC21V	METHYL ETHYL KETONE (2-BUT/	
G250DCA	MW-250	11/19/2002	PROFILE	40.00	40.00	27.50	27.50	OC21V	TOLUENE	
G250DDA	MW-250	11/19/2002	PROFILE	50.00	50.00	37.50	37.50	OC21V	ACETONE	
G250DDA	MW-250	11/19/2002	PROFILE	50.00	50.00	37.50	37.50	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
* = Interference in sample

TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 10/24/02 - 11/31/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G250DDA	MW-250	11/19/2002	PROFILE	50.00	50.00	37.50	37.50	OC21V	METHYL ETHYL KETONE (2-BUT/	
G250DEA	MW-250	11/19/2002	PROFILE	60.00	60.00	47.50	47.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO*
G250DEA	MW-250	11/19/2002	PROFILE	60.00	60.00	47.50	47.50	OC21V	ACETONE	
G250DEA	MW-250	11/19/2002	PROFILE	60.00	60.00	47.50	47.50	OC21V	CHLOROFORM	
G250DEA	MW-250	11/19/2002	PROFILE	60.00	60.00	47.50	47.50	OC21V	METHYL ETHYL KETONE (2-BUT/	
G250DEA	MW-250	11/19/2002	PROFILE	60.00	60.00	47.50	47.50	OC21V	TOLUENE	
G250DFA	MW-250	11/19/2002	PROFILE	70.00	70.00	57.50	57.50	E314.0	PERCHLORATE	
G250DFA	MW-250	11/19/2002	PROFILE	70.00	70.00	57.50	57.50	OC21V	ACETONE	
G250DFA	MW-250	11/19/2002	PROFILE	70.00	70.00	57.50	57.50	OC21V	CHLOROFORM	
G250DFA	MW-250	11/19/2002	PROFILE	70.00	70.00	57.50	57.50	OC21V	METHYL ETHYL KETONE (2-BUT/	
G250DGA	MW-250	11/20/2002	PROFILE	80.00	80.00	67.50	67.50	OC21V	ACETONE	
G250DGA	MW-250	11/20/2002	PROFILE	80.00	80.00	67.50	67.50	OC21V	CHLOROFORM	
G250DGA	MW-250	11/20/2002	PROFILE	80.00	80.00	67.50	67.50	OC21V	METHYL ETHYL KETONE (2-BUT/	
G250DHA	MW-250	11/20/2002	PROFILE	90.00	90.00	77.50	77.50	OC21V	ACETONE	
G250DHA	MW-250	11/20/2002	PROFILE	90.00	90.00	77.50	77.50	OC21V	METHYL ETHYL KETONE (2-BUT/	
G250DIA	MW-250	11/20/2002	PROFILE	100.00	100.00	87.50	87.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES*
G250DIA	MW-250	11/20/2002	PROFILE	100.00	100.00	87.50	87.50	E314.0	PERCHLORATE	
G250DIA	MW-250	11/20/2002	PROFILE	100.00	100.00	87.50	87.50	OC21V	ACETONE	
G250DIA	MW-250	11/20/2002	PROFILE	100.00	100.00	87.50	87.50	OC21V	CHLOROFORM	
G250DIA	MW-250	11/20/2002	PROFILE	100.00	100.00	87.50	87.50	OC21V	METHYL ETHYL KETONE (2-BUT/	
G250DIA	MW-250	11/20/2002	PROFILE	100.00	100.00	87.50	87.50	OC21V	TOLUENE	
G250DJA	MW-250	11/20/2002	PROFILE	110.00	110.00	97.50	97.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO*
G250DJA	MW-250	11/20/2002	PROFILE	110.00	110.00	97.50	97.50	8330N	NITROGLYCERIN	NO
G250DJA	MW-250	11/20/2002	PROFILE	110.00	110.00	97.50	97.50	E314.0	PERCHLORATE	
G250DJA	MW-250	11/20/2002	PROFILE	110.00	110.00	97.50	97.50	OC21V	ACETONE	
G250DJA	MW-250	11/20/2002	PROFILE	110.00	110.00	97.50	97.50	OC21V	CHLOROFORM	
G250DJD	MW-250	11/20/2002	PROFILE	110.00	110.00	97.50	97.50	E314.0	PERCHLORATE	
G250DJD	MW-250	11/20/2002	PROFILE	110.00	110.00	97.50	97.50	OC21V	ACETONE	
G250DJD	MW-250	11/20/2002	PROFILE	110.00	110.00	97.50	97.50	OC21V	CHLOROFORM	
G250DJD	MW-250	11/20/2002	PROFILE	110.00	110.00	97.50	97.50	OC21V	METHYL ETHYL KETONE (2-BUT/	
G250DKA	MW-250	11/20/2002	PROFILE	120.00	120.00	107.50	107.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES*
G250DKA	MW-250	11/20/2002	PROFILE	120.00	120.00	107.50	107.50	E314.0	PERCHLORATE	

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

TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 10/24/02 - 11/31/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G250DKA	MW-250	11/20/2002	PROFILE	120.00	120.00	107.50	107.50	OC21V	ACETONE	
G250DKA	MW-250	11/20/2002	PROFILE	120.00	120.00	107.50	107.50	OC21V	CHLOROFORM	
G250DLA	MW-250	11/20/2002	PROFILE	130.00	130.00	117.50	117.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO*
G250DLA	MW-250	11/20/2002	PROFILE	130.00	130.00	117.50	117.50	E314.0	PERCHLORATE	
G250DLA	MW-250	11/20/2002	PROFILE	130.00	130.00	117.50	117.50	OC21V	ACETONE	
G250DLA	MW-250	11/20/2002	PROFILE	130.00	130.00	117.50	117.50	OC21V	METHYL ETHYL KETONE (2-BUT/	
G250DMA	MW-250	11/20/2002	PROFILE	140.00	140.00	127.50	127.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO*
G250DMA	MW-250	11/20/2002	PROFILE	140.00	140.00	127.50	127.50	E314.0	PERCHLORATE	
G250DMA	MW-250	11/20/2002	PROFILE	140.00	140.00	127.50	127.50	OC21V	ACETONE	
G250DMA	MW-250	11/20/2002	PROFILE	140.00	140.00	127.50	127.50	OC21V	METHYL ETHYL KETONE (2-BUT/	
G250DNA	MW-250	11/20/2002	PROFILE	150.00	150.00	137.50	137.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO*
G250DNA	MW-250	11/20/2002	PROFILE	150.00	150.00	137.50	137.50	E314.0	PERCHLORATE	
G250DNA	MW-250	11/20/2002	PROFILE	150.00	150.00	137.50	137.50	OC21V	ACETONE	
G250DOA	MW-250	11/20/2002	PROFILE	160.00	160.00	147.50	147.50	E314.0	PERCHLORATE	
G250DOA	MW-250	11/20/2002	PROFILE	160.00	160.00	147.50	147.50	OC21V	ACETONE	
G250DOA	MW-250	11/20/2002	PROFILE	160.00	160.00	147.50	147.50	OC21V	CHLOROFORM	
G250DPA	MW-250	11/20/2002	PROFILE	170.00	170.00	157.50	157.50	E314.0	PERCHLORATE	
G250DPA	MW-250	11/20/2002	PROFILE	170.00	170.00	157.50	157.50	OC21V	ACETONE	
G250DPA	MW-250	11/20/2002	PROFILE	170.00	170.00	157.50	157.50	OC21V	CHLOROFORM	
G250DPA	MW-250	11/20/2002	PROFILE	170.00	170.00	157.50	157.50	OC21V	METHYL ETHYL KETONE (2-BUT/	
G250DQA	MW-250	11/21/2002	PROFILE	180.00	180.00	167.50	167.50	8330N	NITROGLYCERIN	NO
G250DQA	MW-250	11/21/2002	PROFILE	180.00	180.00	167.50	167.50	OC21V	ACETONE	
G250DQA	MW-250	11/21/2002	PROFILE	180.00	180.00	167.50	167.50	OC21V	METHYL ETHYL KETONE (2-BUT/	
G250DRA	MW-250	11/21/2002	PROFILE	190.00	190.00	177.50	177.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO*
G250DRA	MW-250	11/21/2002	PROFILE	190.00	190.00	177.50	177.50	OC21V	ACETONE	
G250DRA	MW-250	11/21/2002	PROFILE	190.00	190.00	177.50	177.50	OC21V	METHYL ETHYL KETONE (2-BUT/	
G250DSA	MW-250	11/21/2002	PROFILE	200.00	200.00	187.50	187.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO*
G250DSA	MW-250	11/21/2002	PROFILE	200.00	200.00	187.50	187.50	8330N	NITROGLYCERIN	NO
G250DSA	MW-250	11/21/2002	PROFILE	200.00	200.00	187.50	187.50	OC21V	ACETONE	
G250DSA	MW-250	11/21/2002	PROFILE	200.00	200.00	187.50	187.50	OC21V	METHYL ETHYL KETONE (2-BUT/	

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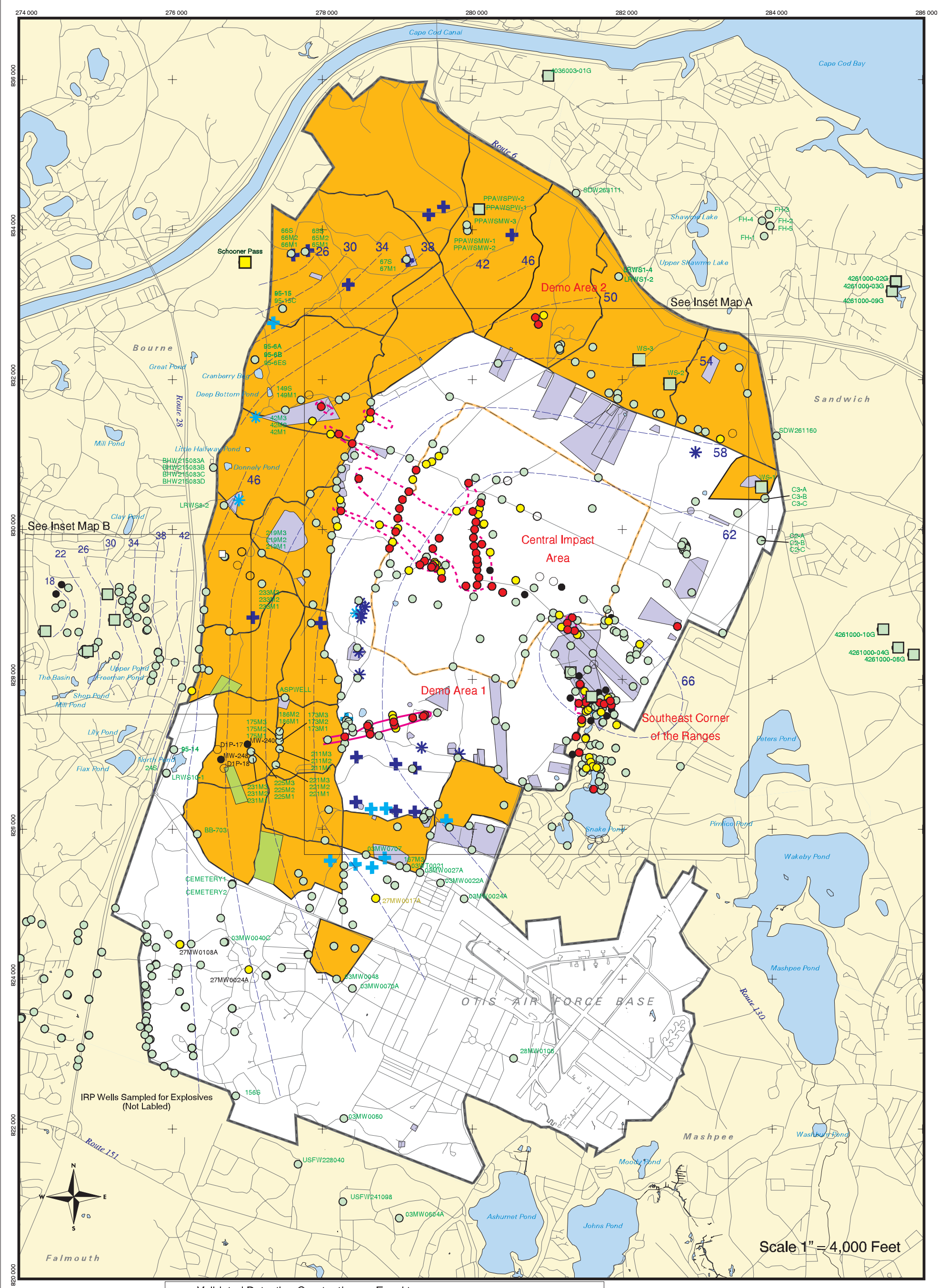
* = Interference in sample



LEGEND

- Validated Detection Greater than or Equal to Maximum Contaminant Level/Health Advisories
- Validated Detection less than Maximum Contaminant Level/Health Advisories
- Validated Non-detect
- No Data Available
- Proposed Well
- Proposed Water Supply Well
- Combat Training Areas
- Military Training Areas
- Military Ranges
- Current Gun Position
- Current Mortar Position
- Old Gun Position
- Old Mortar Position
- Validated Non-Detect Water Supply Well
- Validated Detection < MCL/HA, Water Supply Well
- Water Table Contour (feet above mean sea level)
- Area of RDX Detections greater than 2.0 ppb
- 2.0 ppb RDX Concentration Contour

Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

amec December 04, 2002 DRAFT

IAGWSP Impact Area Groundwater Study Program

Figure 1

Explosives in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 11/22/02

278 000 279 000 280 000 281 000 282 000 283 000

832 000 831 000 830 000 829 000 828 000 827 000

Demo Area 2

Central Impact Area

Southeast Corner of the Ranges

Demo Area 1

CS-19

Doughnut Pond
Gibbs Pond
Round Swamp
Baileys Pond
Grassy Pond
Ox Pond
Succonsette Pond
Opening Pond
Snake Pond
Weeks Pond
Bypass Bog
J-3 Wetland
Peters Pond
Pimlico Pond

Burgoyne Rd
Gibbs Rd
Jefferson Rd
Spruce Swamp Rd
Pocasset Sandwich Rd
Wood Rd
Barlow Rd
Greenway Rd
Tank Alley
Turpentine Rd
Wheelock Rd
Pocasset Forestdale Rd
Arnold Rd
Raccoon Ln
Snake Pond Rd
Rt 130

RANGECON
CIAP-14
CIAP-27
CIAP-28
SMR-2
SMR-3
SMR-4
TEXTRONPW-1
TEXTRONPW-2
WS-2
WS-3
RW-1
RW-3
LP-10
KP-2
J1P-16
J1P-18
J2P-17
J3P-10
J3P-19
J3P-23
J3P-26
J3P-28
J3P-29
J3P-30
MW-234
MW-235
MW-236
MW-237
MW-238
MW-239
MW-241
MW-242
MW-243
MW-244
MW-245
MW-246
MW-247
LRMW0003
LRWS4-1
LRWS5-1
LRWS6-1
LRWS7-1
USCGANTST
15WT0712
15WT0711
90LWA0007
90WT0019
90WT0013
90WT0015
90WT0004
90WT0005
90WT0006
90WT0008
90WT0010
90WT0003
90MP0059
90MP0060
90SNP0001
90SNP0002
90EW0002
90EW0003
90MW0054
90MW0034
90MW0059B
90MW0101A
90MW0102A
90PZ0211
90PZ0204
90PZ0201
90PZ0208
90RI0005
90RI0006
ECMWSNP002S
ECMWSNP002D
ECMWSNP003S
ECMWSNP003D
03MW0122A
03MW0710
03MW0709
03MW0006
03MW0007A
03MW0014A
03MW0020
16MW0003
16MW0004
16MW0002
16MW0001
16MW0005A
16MW0005B
USBH027072
4261000-05G
SP3-91
SP4-91

Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

amec December 02, 2002 DRAFT

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LEGEND

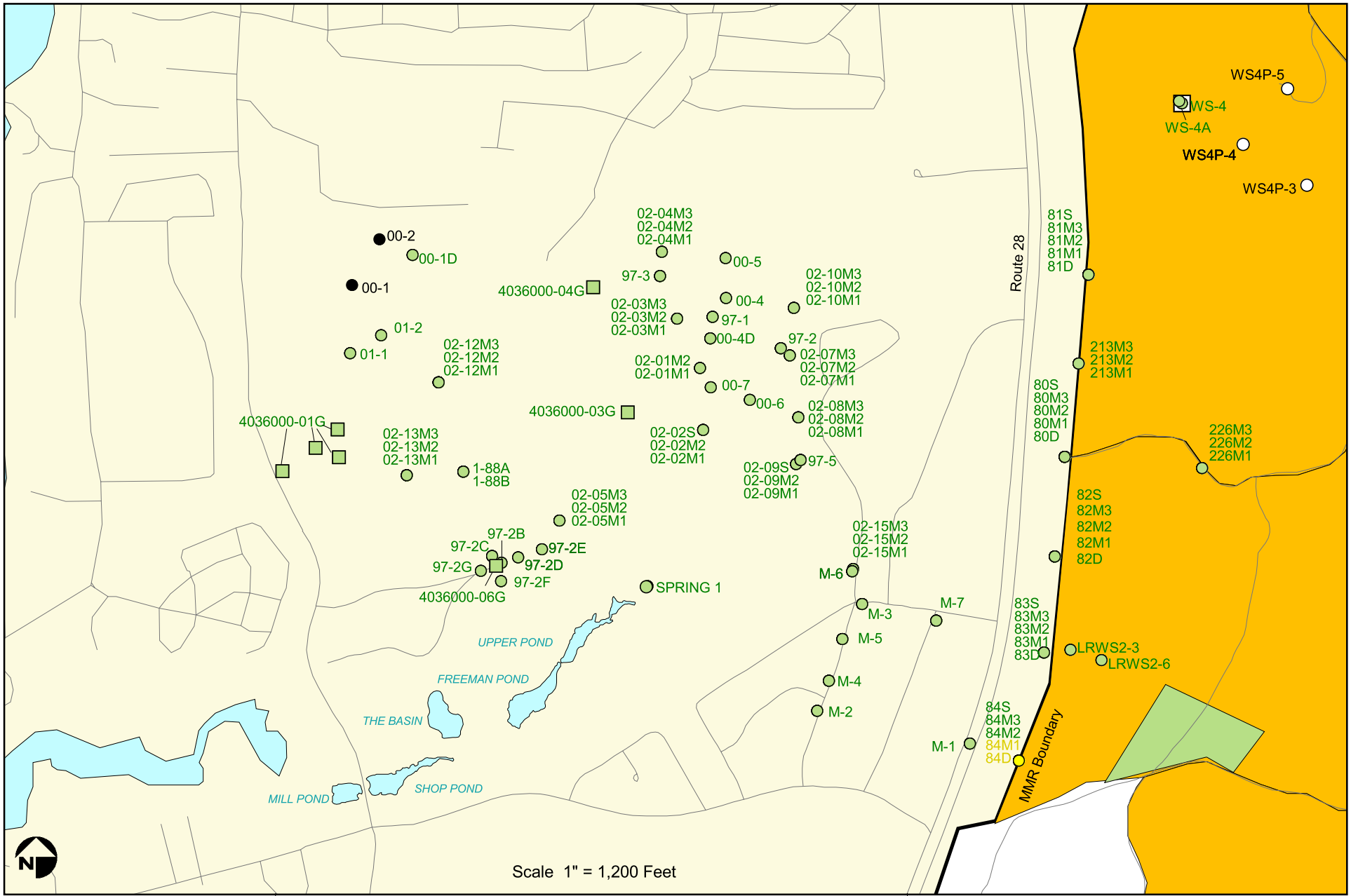
- Validated Detection Greater than or Equal to Maximum Contaminant Level/Health Advisories
- Validated Detection less than Maximum Contaminant Level/Health Advisories
- Validated Non-detect
- No Data Available
- Proposed Well
- Water Table Contour (feet above mean sea level)
- Area of RDX Detections greater than 2.0 ppb
- 2.0 ppb RDX Concentration Contour
- Current Gun Position
- Current Mortar Position
- Old Gun Position
- Old Mortar Position
- Military Ranges
- Military Training Areas
- Validated Non-Detect Water Supply Well

Scale 1" = 1,200 Feet

IAGWSP Impact Area Groundwater Study Program

Figure 1 - INSET MAP A

Explosives in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 11/22/02



Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

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December 5, 2002 DRAFT

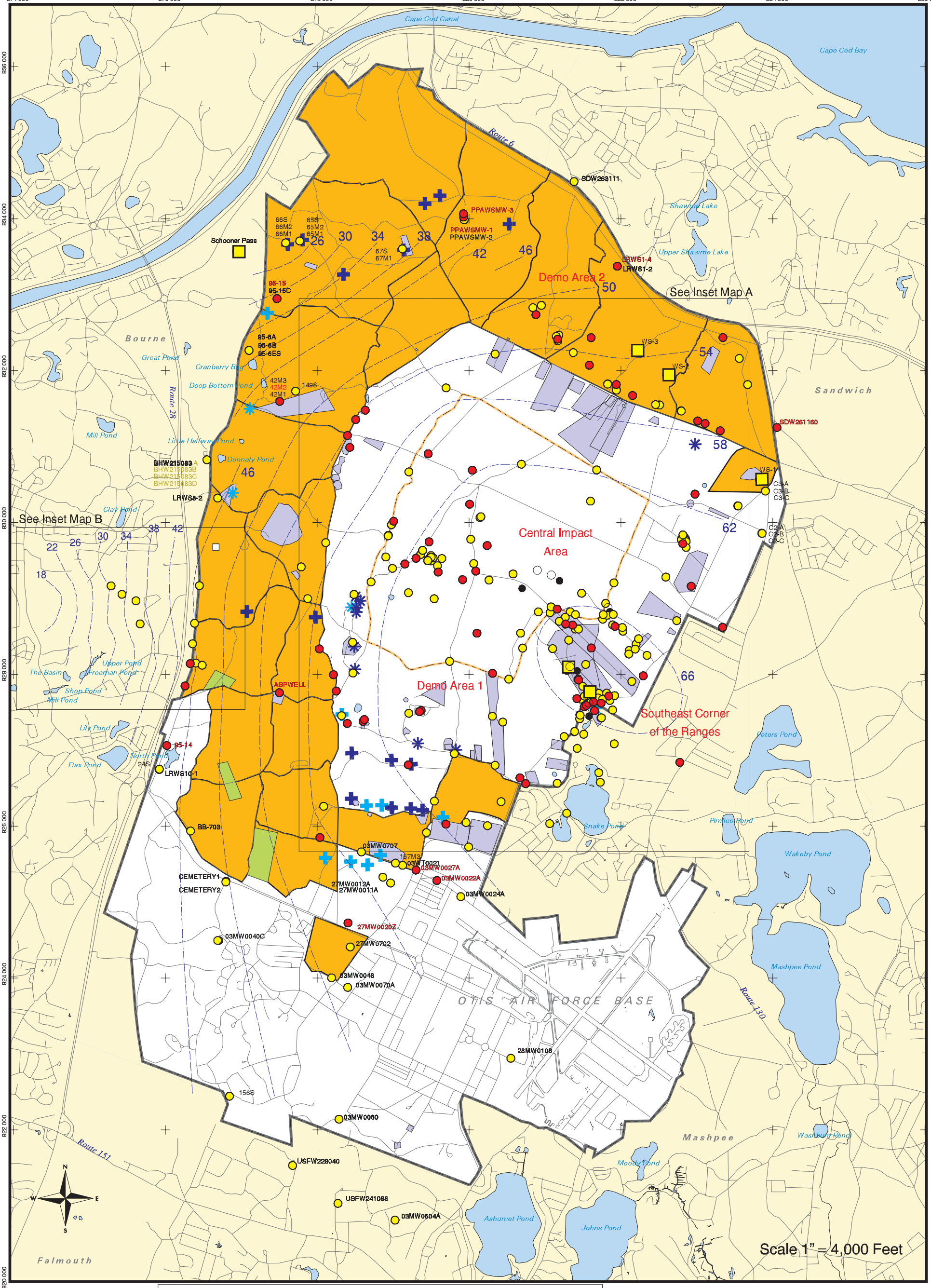
J:\GIS\December2002\out\monthly_inset_1.pdf
G:\MMR\MMR\ArcVprj\monthly_inset.apr

- Validated Detection Less than Maximum Contaminant Level/Health Advisories
- Validated Non-Detect
- Validated Non-Detect Water Supply Well
- Future Supply Well
- Proposed Monitoring Well
- No Data Available
- Combat Training Areas
- MilitaryTraining Areas

IAGWSP

Figure 1 - INSET MAP B

Explosives in Groundwater Compared to Maximum Contaminant Level/Health Advisories
Validated Data as of 11/22/02



LEGEND

- Validated Detection Greater than or Equal to Maximum Contaminant Level/Health Advisories
- Validated Detection less than Maximum Contaminant Level/Health Advisories
- Validated Non-detect
- No Data Available
- Proposed Well
- Proposed Water Supply Well
- Current Gun Position
- Current Mortar Position
- Old Gun Position
- Old Mortar Position
- Validated Non-Detect Water Supply Well
- Combat Training Areas
- Military Training Areas
- Military Ranges
- Water Table Contour (feet above mean sea level)
- Validated Detection less than Maximum Contaminant Level Health Advisories, Water Supply Well

Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

amec December 04, 2002 DRAFT

IAGWSP Impact Area Groundwater Study Program

Figure 2
Metals in Groundwater Compared to Maximum Contaminant Level/Health Advisories
Validated Data as of 11/22/02

d:\work\monthly\december2002\metals

278 000 279 000 280 000 281 000 282 000 283 000

832 000 831 000 830 000 829 000 828 000 827 000

Demo Area 2

Central Impact Area

Southeast Corner of the Ranges

Demo Area 1

Doughnut Pond
Gibbs Pond
Round Swamp
Baileys Pond
Grassy Pond
Ox Pond
Succonsette Pond
Opening Pond
Peters Pond
Snake Pond
Weeks Pond
Pimlico Pond
Bypass Bog
J-3 Wetland

Burgoyne Rd
Gibbs Rd
Spruce Swamp Rd
Jefferson Rd
Pocasset Sandwich Rd
Wood Rd
Barlow Rd
Greenway Rd
Tank Alley
Turpentine Rd
Wheelock Rd
Pocasset Forestdale Rd
Raccoon Ln
Arnold Rd
Rt 130
Snake Pond Rd

34 38 42 50 54 58 62 66

160S 161S 16S 16D
53S 53M3 53M2 53M1 53D
11MW0002 11MW0003 11MW0004 11MW0001
17S 17M3 17M2 17M1 17D
52S 52M3 52M2 52M1 52D
LRMW0003
WS-3
RW-3
WS-2
RW-1
62S
10S 10M1 10D
54S 54M3 54M2 54M1 54D
C5-A C5-B C5-C
C6-A C6-B C6-C
55S 55M3 55M2 55M1 55D
63S 63M3 63M2 63M1 63D
C7-A C7-B
C4-A C4-B C4-C
48S 48M3 48M2 48M1 48D
49S 49M3 49M2 49M1 49D
18S 18M2 18M1 18D
50S 50M3 50M2 50M1 50D
51S 51M3 51M2 51M1 51D
23S 23M3 23M2 23M1 23D
72S
41M3 41M2 41M1
43S 43M2 43M1
03S 03M2 03M1 03D
04S
11S
05S 05M2 05M1 05D
LRWS4-1
C1-A C1-B C1-C
02S 02M2 02M1 02D
59S 59M2 59M1
26S
39S 39M2 39M1
58MW0018A 58MW0018B 58MW0018C
58MW0007C 58MW0007B 58MW0007E
38S 38M4 38M3 38M2 38M1 38D
58MW0017A 58MW0017B 58MW0017C
58MW0003
58MW0009C 58MW0009E
58MW0010A 58MW0010B
58MW0015A 58MW0015B 58MW0004
58MW0005E
58MW0008E
58MW0011D 58MW0011E
58MW0002 58MW0016A 58MW0016B 58MW0016C
58MW0001
58MW0006E
25S
22S
174S
09S
94S 94M2 94M1
15S 15D
101S
44S 44M2 44M1
01S 01M2 01M1 01D
90S
37M3 37M2 37M1
40S 40M1
27S
J1P-18
J1P-16
MW-245
MW-244
12S
192M3 192M2 192M1
229M4 229M3 229M2 229M1
J2P-17
MW-234
104S 104M2 104M1
08S
71S 71M1
RANGECON
06S
187S 187M1 187D
164M3 164M2 164M1
188S 188M1
166M3 166M2 166M1
191S 191M2 191M1
58S
168M3 168M2 168M1
118M2 118M1
126S 126M1
07S 07M2 07M1 07D
152M2 152M1
29S
230M2 230M1
130S 130M1 130D
119S
117S
SMR-2
137S
120S 120M1
228S 228M2 228M1
116S
121S
122S
154S 154M1
158S 158M2 158M1
215S 215M2 215M1
57S 57M3 57M2 57M1 57D
136S 136M1
189S
13S 13D
190M2 190M1
127S
SMR-4
14S
61S
28S 28M2 28M1
128S 128M2 128M1
J3P-23
TEXTRONPW-2
MW-237
125S 125M1
163S
132S 132M1
193S 193M1
147M3 147M2 147M1
153M3 153M2 153M1
131S 131M2 131M1
90WT0003
LRWS7-1
90LWA0007
196S 196M1
197M3 197M2 197M1
TEXTRONPW-1
90MW0029B
181S
30S
194M1
195S
45S 45M2 45M1
146S 146M1
198M4 198M3 198M2 198M1
144S
90MW0013
90MW0021
90MW0014
90WT0013
90WT0015
J3P-10
140M1
143M3 143M2 143M1
145S 145M1
148S 148M1
90MW0038
90MW0031
90MW0022
MW-239
142S 142M2 142M1
90MW0019
MW-227
90WT0005
155M2 155M1
157M2 157M1 157D
90MW0003
90MW0054
90WT0010
ECMWSNP02S ECMWSNP02D
ECMWSNP03S ECMWSNP03D
LRWS8-1
90WT0008
56S 56M3 56M2 56M1 56D
03MW0122A
03MW0710
03MW0007A
03MW0014A
03MW0006
03MW0709
03MW0020
SP3-91
SP4-91
151S
150S
21S 21M3 21M2 21M1 21D
70S 70M1
69S 69M2 69M1
46S 46M3 46M2 46M1 46D
47S 47M3 47M2 47M1 47D
20S
34M3 34M2 34M1
36S 36M2 36M1
35S 35M2 35M1
19S 19D
31S
73S
60S
SMR-3
64S 64M2 64M1
68S 68M1
109S
15WT0712
15MW0006
15MW0001
15MW0008
15WT0007
15MW0004
15MW0007
15MW0009
15MW0002
15MW0005
15WT0711
LRWS5-1
170M3 170M2 170M1
215S 215M2 215M1
57S 57M3 57M2 57M1 57D

Scale 1" = 1,200 Feet

Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

amec December 03, 2002 DRAFT

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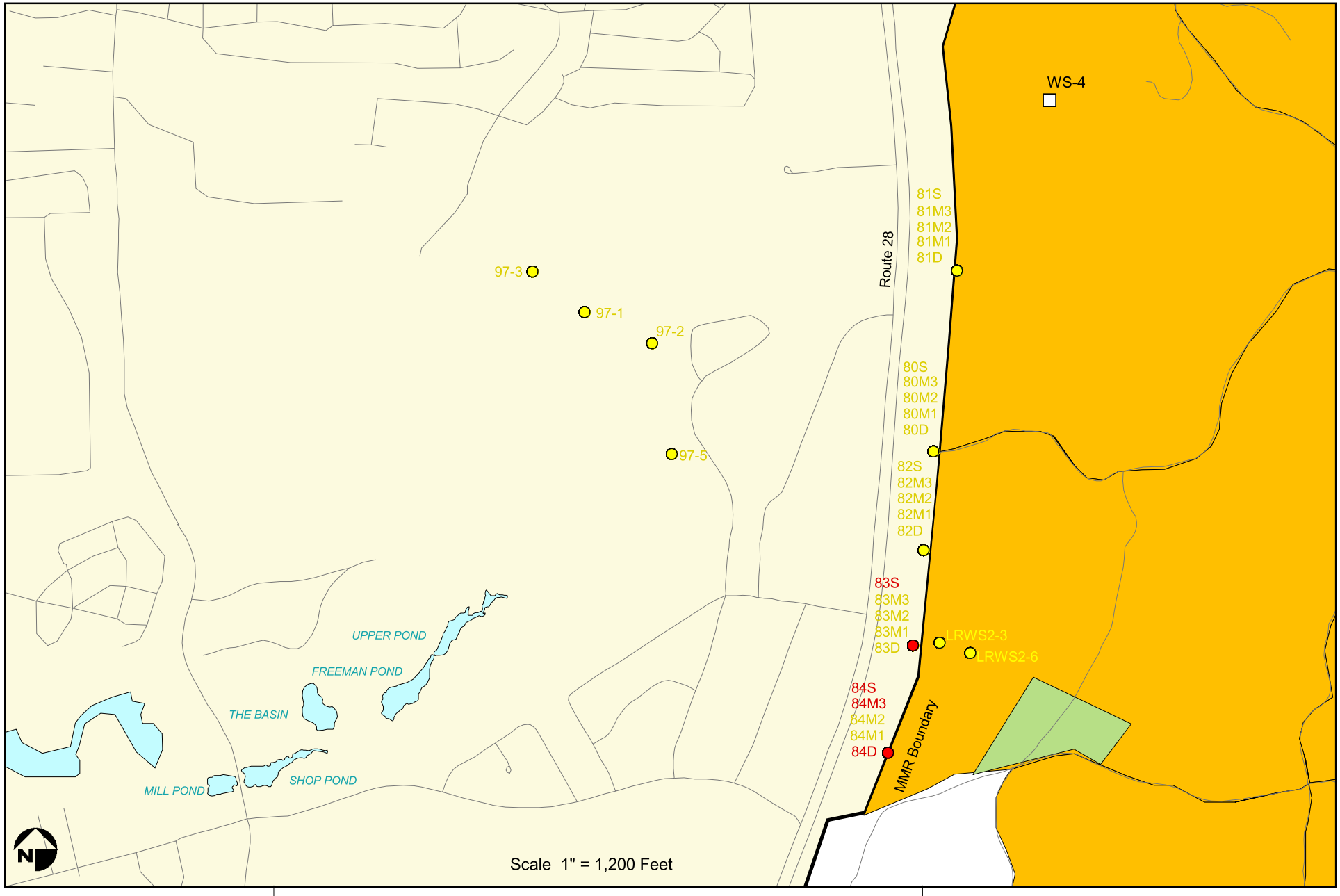
LEGEND

- Validated Detection Greater than or Equal to Maximum Contaminant Level/Health Advisories
- Validated Detection less than Maximum Contaminant Level/Health Advisories
- Validated Non-detect
- No Data Available
- Proposed Well
- Water Table Contour (feet above mean sea level)
- Current Gun Position
- Current Mortar Position
- Old Gun Position
- Old Mortar Position
- Military Ranges
- Military Training Areas
- Validated Detection less than Maximum Contaminant Level/Health Advisories Water Supply Well
- Validated Non-Detect Water Supply Well

IAGWSP Impact Area Groundwater Study Program

Figure 2 - INSET MAP A

Metals in Groundwater
Compared to Maximum Contaminant Level/Health Advisories
Validated Data as of 11/22/02



Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

amec

December 5, 2002 DRAFT

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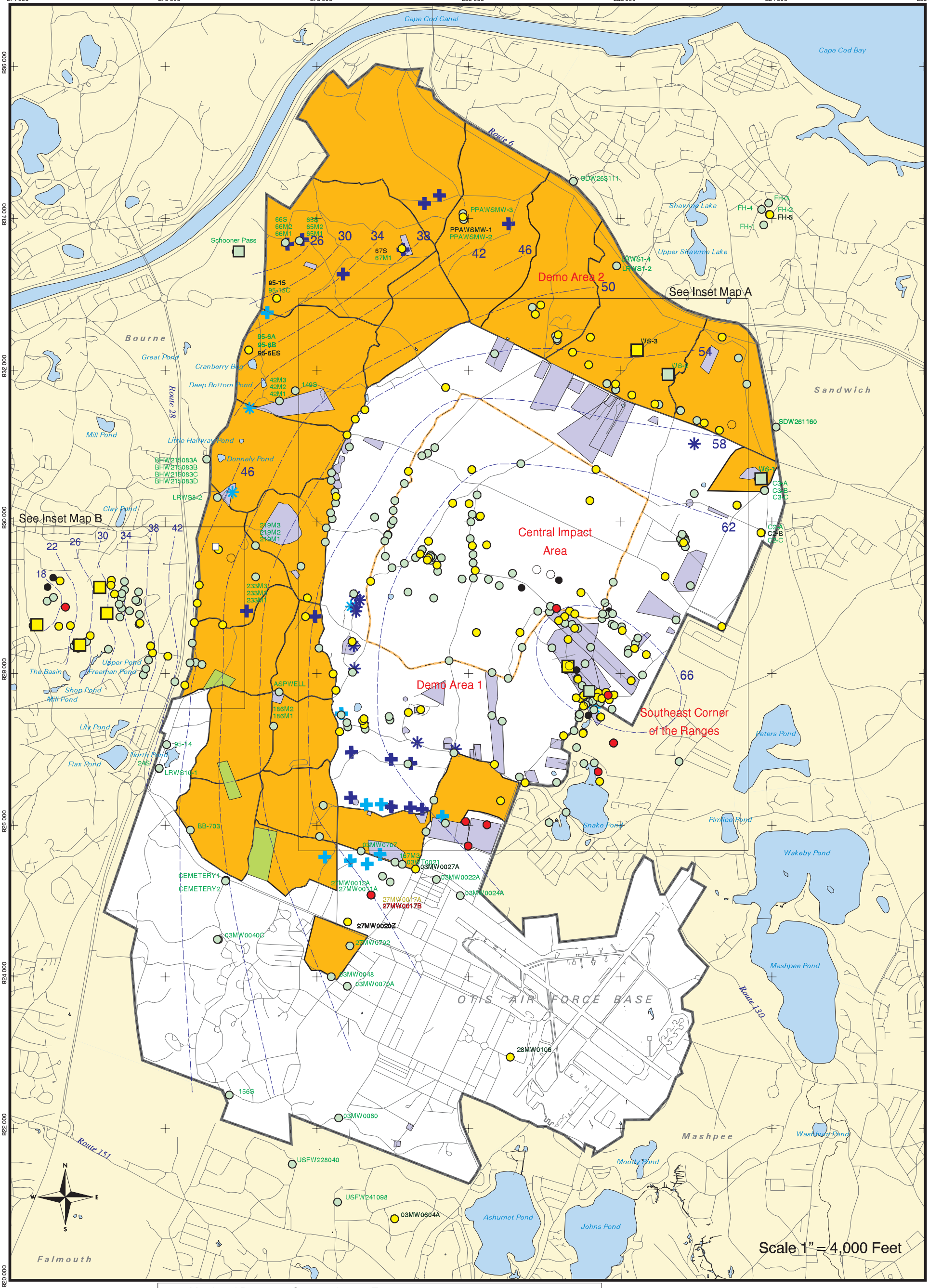
- Validated Detection Greater than or Equal to Maximum Contaminant Level/Health Advisories
- Validated Detection Less than Maximum Contaminant Level/Health Advisories
- Future Supply Well
- Combat Training Areas
- MilitaryTraining Areas

IAGWSP
Inspect Area Groundwater Study Program

Figure 2 - INSET MAP B

Metals in Groundwater Compared to Maximum Contaminant Level/Health Advisories
Validated Data as of 11/22/02



LEGEND

- Validated Detection Greater than or Equal to Maximum Contaminant Level/Health Advisories
- Validated Detection less than Maximum Contaminant Level/Health Advisories
- Validated Non-detect
- No Data Available
- Proposed Well
- Proposed Water Supply Well
- Current Gun Position
- Current Mortar Position
- Old Gun Position
- Old Mortar Position
- Validated Non-Detect Water Supply Well
- Combat Training Areas
- Military Training Areas
- Military Ranges
- Water Table Contour (feet above mean sea level)
- Validated Detection less than Maximum Contaminant Level Health Advisories, Water Supply Well

Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

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IAGWSP Impact Area Groundwater Study Program

Figure 3
Volatile Organic Compounds (excluding Chloroform) in Groundwater Compared to Maximum Contaminant Level/Health Advisories
Validated Data as of 11/22/02

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278 000 279 000 280 000 281 000 282 000 283 000

832 000 831 000 830 000 829 000 828 000 827 000

Demo Area 2

Central Impact Area

Southeast Corner of the Ranges

Demo Area 1

Doughnut Pond
Gibbs Pond
Round Swamp
Baileys Pond
Grassy Pond
Ox Pond
Succonsette Pond
Opening Pond
J-3 Wetland
Bypass Bog
Snake Pond
Weeks Pond
Peters Pond
Pimlico Pond

Burgoyne Rd
Gibbs Rd
Jefferson Rd
Spruce Swamp Rd
Pocasset Sandwich Rd
Wood Rd
Barlow Rd
Tarpentine Rd
Wheelock Rd
Pocasset Forestdale Rd
Tank Alley
Greenway Rd
Raccoon Ln
Arnold Rd
Rt 130
Snake Pond Rd

RANGECON

WS-3 WS-2 RW-3 RW-1 KP-2

LRMW0003 LRWS4-1 LRWS5-1 LRWS7-1

TEXTRONPW-1 TEXTRONPW-2

MW-244 MW-245 MW-234 MW-237 MW-239

SMR-2 SMR-3 SMR-4

J1P-16 J1P-18 J2P-17 J3P-10 J3P-23

SP3-91 SP4-91

34 38 42 50 54 58 62 66

Scale 1" = 1,200 Feet

LEGEND

- Validated Detection Greater than or Equal to Maximum Contaminant Level/Health Advisories
- Validated Detection less than Maximum Contaminant Level/Health Advisories
- Validated Non-detect
- No Data Available
- Proposed Well
- Water Table Contour (feet above mean sea level)
- Current Gun Position
- Current Mortar Position
- Old Gun Position
- Old Mortar Position
- Military Ranges
- Military Training Areas
- Validated Detection less than Maximum Contaminant Level/Health Advisories Water Supply Well
- Validated Non-Detect Water Supply Well

Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

amec December 02, 2002 DRAFT

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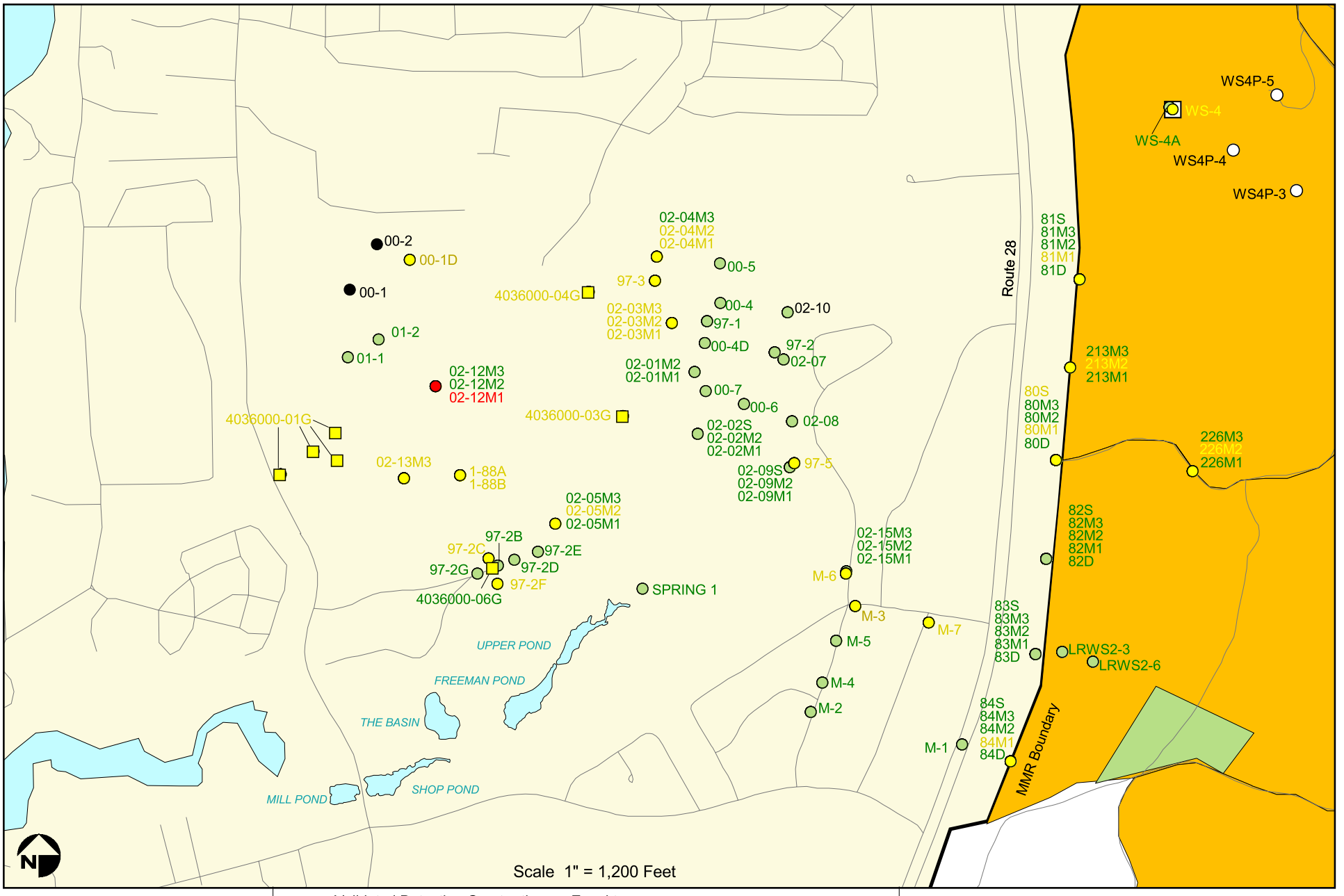
IAGWSP Impact Area Groundwater Study Program

Figure 3 - INSET MAP A

Volatile Organic Compounds (excluding Chloroform) in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 11/22/02



Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

amec

December 5, 2002 DRAFT

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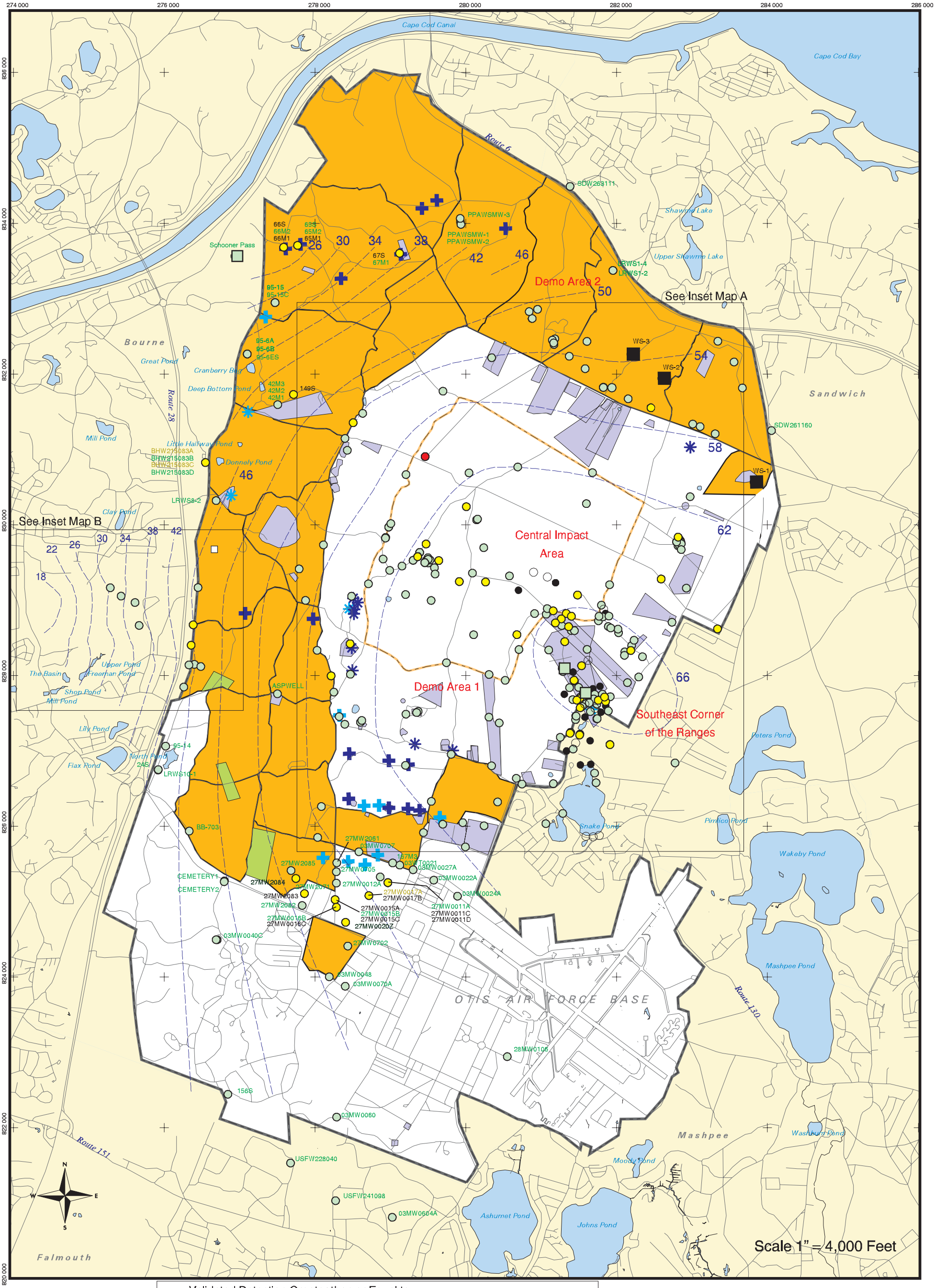
- Validated Detection Greater than or Equal to Maximum Contaminant Level/Health Advisories
- Validated Detection Less than Maximum Contaminant Level/Health Advisories
- Validated Non-Detect
- Validated Detection Less than Maximum Contaminant Level/Health Advisories Water Supply Well
- Validated Non-Detect Water Supply Well
- Future Supply Well
- Proposed Monitoring Well
- No Data Available
- Combat Training Areas
- MilitaryTraining Areas

IAGWSP

Figure 3 - INSET MAP B

Volatile Organic Compounds (excluding Chloroform) in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 11/22/02



LEGEND

- Validated Detection Greater than or Equal to Maximum Contaminant Level/Health Advisories
- Validated Detection less than Maximum Contaminant Level/Health Advisories
- Validated Non-detect
- No Data Available
- Proposed Well
- Proposed Water Supply Well
- Combat Training Areas
- Military Training Areas
- Military Ranges
- Water Table Contour (feet above mean sea level)
- Current Gun Position
- Current Mortar Position
- Old Gun Position
- Old Mortar Position
- Validated Non-Detect Water Supply Well
- No Data Available Water Supply Well

Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

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IAGWSP Impact Area Groundwater Study Program

Figure 5

Semi-Volatile Organic Compounds (excluding BEHP) in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 11/22/02

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278 000 279 000 280 000 281 000 282 000 283 000

832 000 831 000 830 000 829 000 828 000 827 000

Demo Area 2

Central Impact Area

Demo Area 1

Southeast Corner of the Ranges

Doughnut Pond
Gibbs Pond
Round Swamp
Baileys Pond
Grassy Pond
Ox Pond
Succonsette Pond
Opening Pond
Snake Pond
Weeks Pond
Pimlico Pond
Peters Pond
Bypass Bog
J-3 Wetland

Burgoyne Rd
Gibbs Rd
Spruce Swamp Rd
Jefferson Rd
Pocasset Sandwich Rd
Wood Rd
Barlow Rd
Greenway Rd
Tank Alley
Turpentine Rd
Wheelock Rd
Pocasset Forestdale Rd
Raccoon Ln
Arnold Rd
Rt 130
Snake Pond Rd

RANGECON
WS-3
WS-2
SMR-2
SMR-4
SMR-3
LP-10
LP-7
TEXTRONPW-2
TEXTRONPW-1

34 38 42 50 54 58 62 66

160S 161S 16S 16D
53S 53M3 53M2 53M1 53D
11MW0002 11MW0003 11MW0004 11MW0001
17S 17M3 17M2 17M1 17D
52S 52M3 52M2 52M1 52D
LRMW0003 RW-3 RW-1
62S
54S 54M3 54M2 54M1 54D
55S 55M3 55M2 55M1 55D
63S 63M3 63M2 63M1 63D
48S 48M3 48M2 48M1 48D
49S 49M3 49M2 49M1 49D
18S 18M2 18M1 18D
10S 10M1 10D
50S 50M3 50M2 50M1 50D
51S 51M3 51M2 51M1 51D
23S 23M3 23M2 23M1 23D
72S
41M3 41M2 41M1
43S 43M2 43M1
03S 03M2 03M1 03D
04S
11S
05S 05M2 05M1 05D
LRWS4-1
02S 02M2 02M1 02D
59S 59M2 59M1
26S
39S 39M2 39M1
58MW0018A 58MW0018B 58MW0018C
58MW0007C 58MW0007B 58MW0007E
38S 38M4 38M3 38M2 38M1 38D
58MW0017A 58MW0017B 58MW0017C
58MW0009C 58MW0009E 58MW0010A 58MW0010B
58MW0003 58MW0015A 58MW0015B 58MW0004 58MW0005E
58MW0008E
58MW0011D 58MW0011E
58MW0002 58MW0016A 58MW0016B 58MW0016C
58MW0001 58MW0006E
25S
09S 94S 94M2 94M1
15S 15D
37M3 37M2 37M1
104S 104M2 104M1
08S
01S 01M2 01M1 01D
40S 40M1
27S
J1P-18 J1P-16 MW-245 MW-244
192M3 192M2 192M1
12S
229M4 229M3 229M2 229M1
J2P-17 MW-234
187S 187M1 187D 164M3 164M2 164M1 188S 188M1
06S
118M2 118M1 126S 126M1
166M3 166M2 166M1 191S 191M2 191M1
168M3 168M2 168M1
58S
29S 230M2 230M1 130S 130M1 130D 119S 117S 137S
215S 215M2 215M1
57S 57M3 57M2 57M1 57D
120S 120M1 228S 228M2 228M1
116S 121S 154S 154M1 122S 158S 158M2 158M1
07S 07M2 07M1 07D
152M2 152M1
136S 136M1 189S
13S 13D 190M2 190M1
127S
128S 128M2 128M1
90WT0003
125S 125M1 163S 132S 132M1 193S 193M1 196S 196M1 232M2 232M1 197M3 197M2 197M1 198M3 198M2 198M1
MW-237 MW-236 MW-238 MW-243
147M3 147M2 147M1 153M3 153M2 153M1 90LWA0007
131S 131M2 131M1 LRWS7-1
181S 30S 194M1 195S 144S 144M2 144M1 143M3 143M2 143M1 90MW0022
90MW0039B 90MW0013 90MW0021 90MW0014 J3P-10
45S 45M2 45M1 146S 146M1 90WT0013 90WT0015 MW-241 140M1
LP-7 MW-242 145S 145M1 148S 148M1 90MW0038 90MW0031 90MW0019 MW-239
142S 142M2 142M1
15MW0008 15WT0007 15MW0004 15MW0002 15WT0712 15MW0006 15MW0001 15MW0007 15MW0009 15MW0005 15WT0711
170M3 170M2 170M1 LRWS5-1
227M3 227M2 227M1 90WT0005 90MW0004
155M2 155M1 157M2 157M1 157D J3P-19 MW-246
90MW0003 90MW0005
90MW0054 MW-247
MW-217 MW-218
ECMWSNP02S ECMWSNP02D
ECMWSNP03S ECMWSNP03D
90WT0010
90WT0008
56S 56M3 56M2 56M1 56D
SP3-91 SP4-91
J3P-28 J3P-29 J3P-30
215S 215M2 215M1
57S 57M3 57M2 57M1 57D
22S
174S
71S 71M1
70S 70M1
21S 21M3 21M2 21M1 21D
46S 46M3 46M2 46M1 46D
69S 69M2 69M1
47S 47M3 47M2 47M1 47D
14S
61S
28S 28M2 28M1
19S 19D 73S
20S
36S 36M2 36M1 34M3 34M2 34M1 35S 35M2 35M1
60S
64S 64M2 64M1
68S 68M1
109S
151S
150S
03MW0710
03MW0122A
03MW0006
03MW0007A
03MW0014A
03MW0709
03MW0020

Scale 1" = 1,200 Feet

LEGEND

- Validated Detection Greater than or Equal to Maximum Contaminant Level/Health Advisories
- Validated Detection less than Maximum Contaminant Level/Health Advisories
- Validated Non-detect
- No Data Available
- Proposed Well
- Water Table Contour (feet above mean sea level)
- Current Gun Position
- Current Mortar Position
- Old Gun Position
- Old Mortar Position
- Military Ranges
- Military Training Areas
- No Data Available Water Supply Well
- Validated Non-Detect Water Supply Well

Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

amec December 02, 2002 DRAFT

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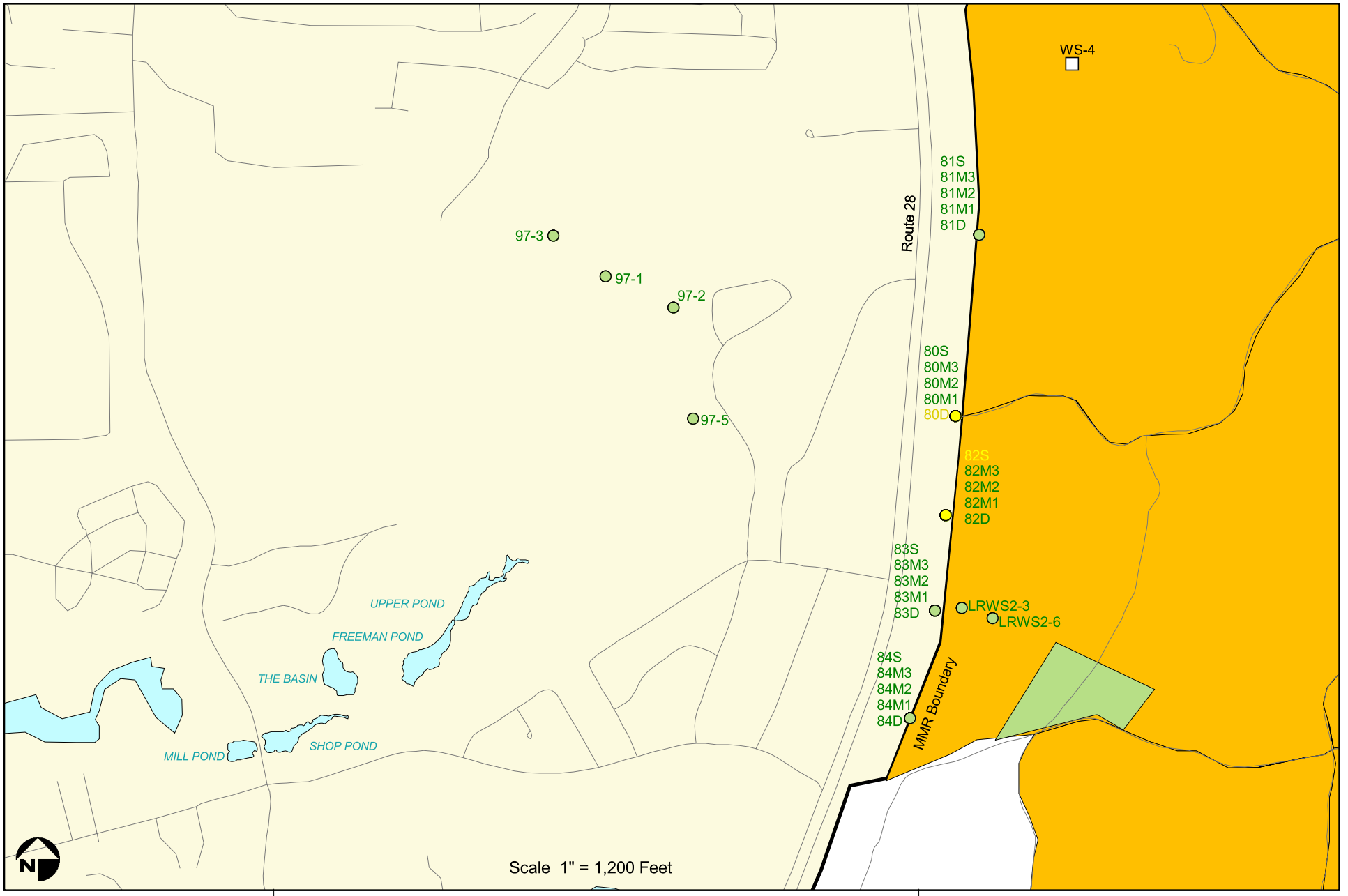
Figure 5 - INSET MAP A

Semi-Volatile Organic Compounds (excluding BEHP) in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 11/22/02



Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

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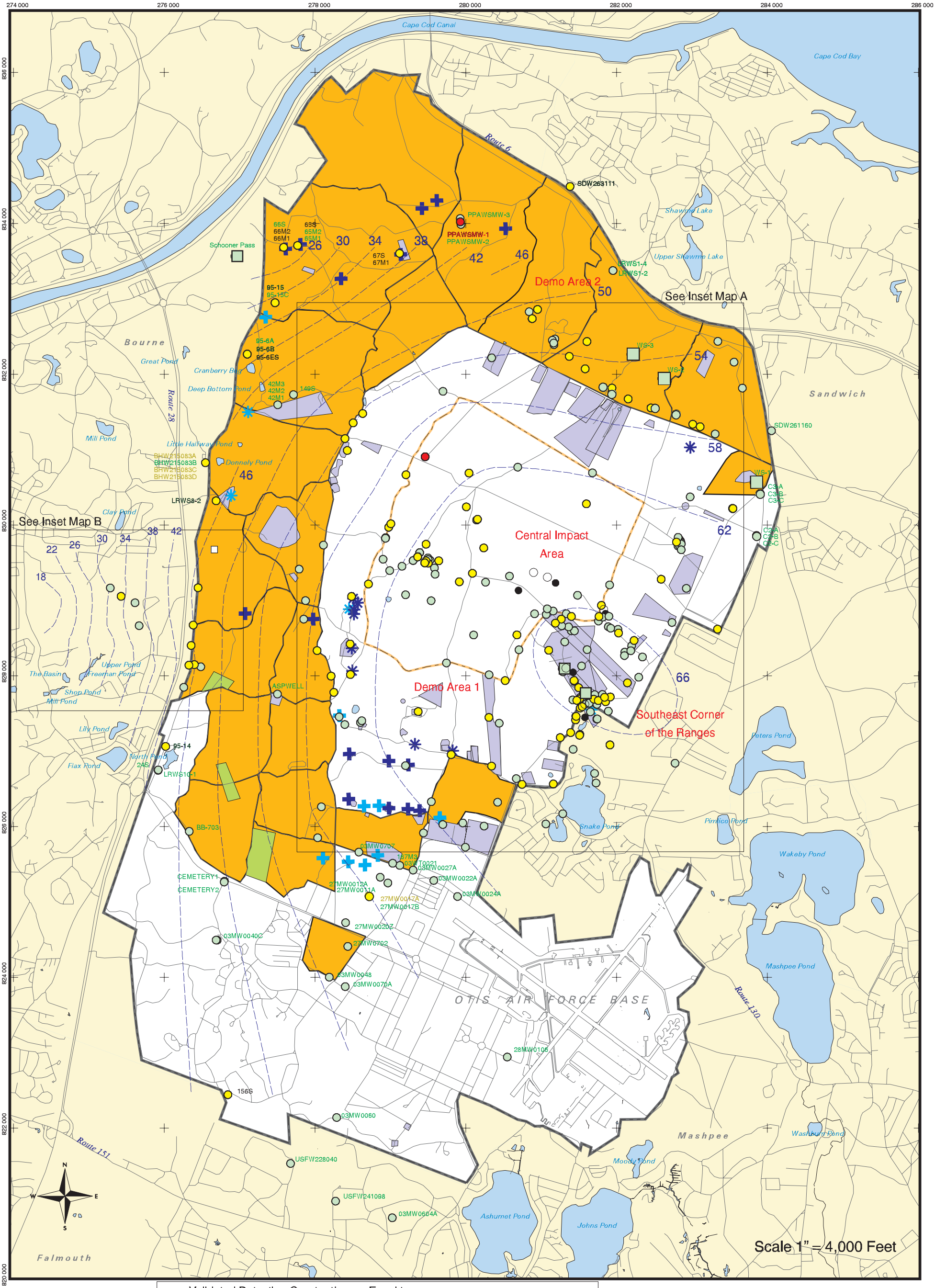
- Validated Detection Less than Maximum Contaminant Level/Health Advisories
- Validated Non-Detect
- Future Supply Well
- Combat Training Areas
- MilitaryTraining Areas

IAGWSP Impact Area Groundwater Study Program

Figure 5 - INSET MAP B

Semi-Volatile Organic Compounds (excluding BEHP) in Groundwater Compared to Maximum Contaminant Level/Health Advisories
Validated Data as of 11/22/02



LEGEND

- Validated Detection Greater than or Equal to Maximum Contaminant Level/Health Advisories
- Validated Detection less than Maximum Contaminant Level/Health Advisories
- Validated Non-detect
- No Data Available
- Proposed Well
- Proposed Water Supply Well
- Current Gun Position
- Current Mortar Position
- Old Gun Position
- Old Mortar Position
- Validated Non-Detect Water Supply Well
- Combat Training Areas
- Military Training Areas
- Military Ranges
- Water Table Contour (feet above mean sea level)
- Validated Detection less than Maximum Contaminant Level Health Advisories, Water Supply Well

Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

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IAGWSP Impact Area Groundwater Study Program

Figure 7

Herbicides and Pesticides in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 11/22/02

278 000 279 000 280 000 281 000 282 000 283 000

832 000 831 000 830 000 829 000 828 000 827 000

Demo Area 2

Central Impact Area

Demo Area 1

Southeast Corner of the Ranges

Doughnut Pond
Gibbs Pond
Round Swamp
Baileys Pond
Grassy Pond
Ox Pond
Succonsette Pond
Opening Pond
J-3 Wetland
Bypass Bog
Snake Pond
Weeks Pond
Peters Pond
Pimlico Pond

Burgoyne Rd
Gibbs Rd
Jefferson Rd
Spruce Swamp Rd
Pocasset Sandwich Rd
Wood Rd
Barlow Rd
Greenway Rd
Tank Alley
Turpentine Rd
Wheelock Rd
Pocasset Forestdale Rd
Raccoon Ln
Arnold Rd
Rt 130
Snake Pond Rd

RANGECON

34 38 42 50 54 58 62 66

LRMW0003 RW-3 RW-1 WS-3 WS-2 LRWS4-1 LRWS7-1 LRWS5-1

15WT0712 15MW0006 15MW0001 15MW0007 15MW0009 15MW0005 15WT0711 15MW0008 15WT0007 15MW0004 15MW0002

11MW0002 11MW0003 11MW0004 11MW0001

J1P-18 J1P-16 MW-245 MW-244 J2P-17 MW-234 MW-237 MW-239 J3P-23 J3P-10 TEXTRONPW-2 TEXTRONPW-1 SMR-2 SMR-3 SMR-4

90WT0003 90WT0013 90WT0015 90WT0005 90WT0008 90WT0010 90LWA0007 90MW0039B 90MW0013 90MW0021 90MW0014 90MW0022 90MW0038 90MW0031 90MW0019 90MW0004 90MW0003 90MW0005 90MW0054

03MW0122A 03MW0710 03MW0006 03MW0007A 03MW0014A 03MW0709 03MW0020

ECMWSNP02S ECMWSNP02D ECMWSNP03S ECMWSNP03D

SP3-91 SP4-91

C1-A C1-B C1-C C4-A C4-B C4-C C5-A C5-B C5-C C6-A C6-B C6-C C7-A C7-B

10S 10M1 10D
16S 16D 160S 161S
17S 17M3 17M2 17M1 17D
18S 18M2 18M1 18D
21S 21M3 21M2 21M1 21D
23S 23M3 23M2 23M1 23D
36S 36M2 36M1 34M3 34M2 34M1 35S 35M2 35M1
37M3 37M2 37M1
38S 38M4 38M3 38M2 38M1 38D
39S 39M2 39M1
40S 40M1
41M3 41M2 41M1
43S 43M2 43M1
44S 44M2 44M1
46S 46M3 46M2 46M1 46D
47S 47M3 47M2 47M1 47D
48S 48M3 48M2 48M1 48D
49S 49M3 49M2 49M1 49D
50S 50M3 50M2 50M1 50D
51S 51M3 51M2 51M1 51D
52S 52M3 52M2 52M1 52D
53S 53M3 53M2 53M1 53D
54S 54M3 54M2 54M1 54D
55S 55M3 55M2 55M1 55D
56S 56M3 56M2 56M1 56D
57S 57M3 57M2 57M1 57D
58S 58M3 58M2 58M1 58D
59S 59M2 59M1
63S 63M3 63M2 63M1 63D
64S 64M2 64M1
68S 68M1
69S 69M2 69M1
70S 70M1
71S 71M1
94S 94M2 94M1
104S 104M2 104M1
118M2 118M1
126S 126M1
127S
128S 128M2 128M1
130S 130M1 130D
131S 131M2 131M1
132S 132M1
134S 134M2 134M1
136S 136M1
137S
140M1
142S 142M2 142M1
143M3 143M2 143M1
144S 144M2 144M1
145S 145M1
146S 146M1
147M3 147M2 147M1
148S 148M1
152M2 152M1
153M3 153M2 153M1
155M2 155M1
157M2 157M1 157D
158S 158M2 158M1
164M3 164M2 164M1
166M3 166M2 166M1
168M3 168M2 168M1
170M3 170M2 170M1
187S 187M1 187D
188S 188M1
189S
190M2 190M1
192M3 192M2 192M1
193S 193M2 193M1
195S
196S 196M1
197M3 197M2 197M1
198M4 198M3 198M2 198M1
215S 215M2 215M1
228S 228M2 228M1
229M4 229M3 229M2 229M1
230M2 230M1
22S 25S 26S 27S 28S 28M2 28M1 09S 08S 06S 07S 07M2 07M1 07D 04S 03S 03M2 03M1 03D 02S 02M2 02M1 02D 05S 05M2 05M1 05D 11S 12S 14S 15S 15D 19S 19D 20S 22S 60S 61S 69S 72S 109S 119S 117S 120S 120M1 121S 122S 116S 154S 154M1 174S 216S

Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

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LEGEND

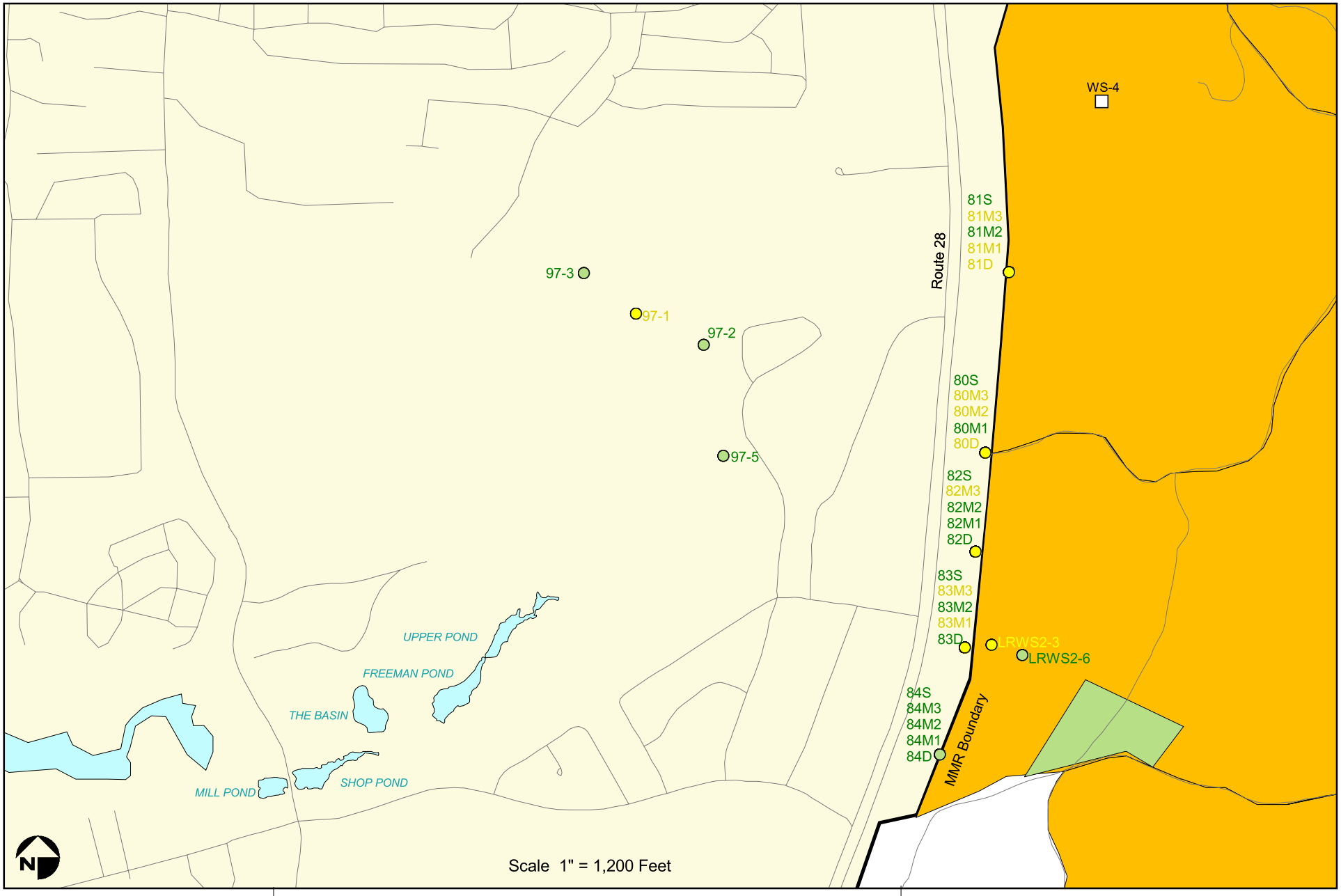
- Validated Detection Greater than or Equal to Maximum Contaminant Level/Health Advisories
- Validated Detection less than Maximum Contaminant Level/Health Advisories
- Validated Non-detect
- No Data Available
- Proposed Well
- Water Table Contour (feet above mean sea level)
- Current Gun Position
- Current Mortar Position
- Old Gun Position
- Old Mortar Position
- Military Ranges
- Military Training Areas
- Validated Detection less than Maximum Contaminant Level/Health Advisories Water Supply Well
- Validated Non-Detect Water Supply Well

Scale 1" = 1,200 Feet

IAGWSP Impact Area Groundwater Study Program

Figure 7 - INSET MAP A

Herbicides and Pesticides in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 11/22/02



Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

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- Validated Detection Less than Maximum Contaminant Level/Health Advisories
- Validated Non-Detect
- Future Supply Well
- Combat Training Areas
- MilitaryTraining Areas

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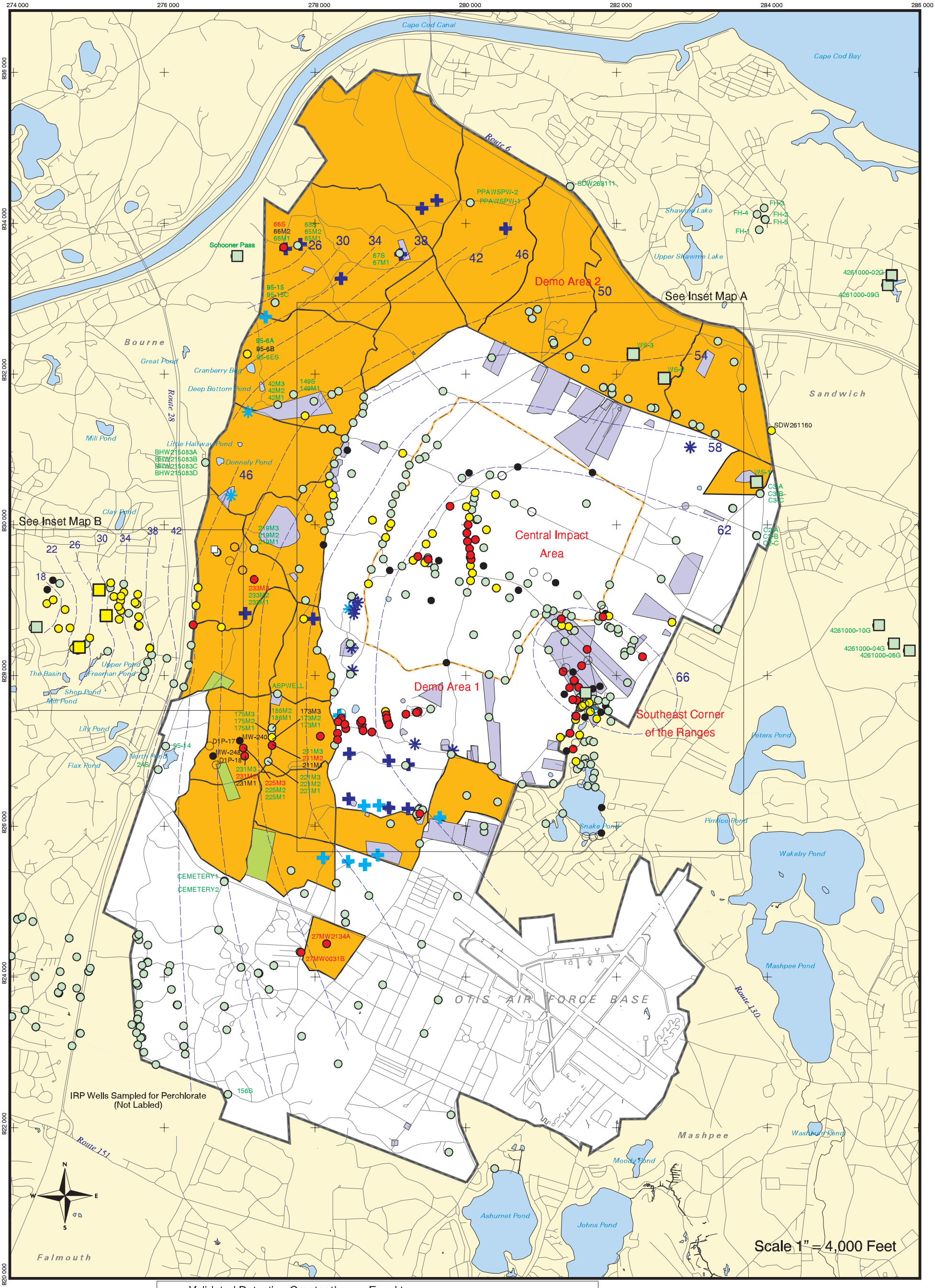
Figure 7 - INSET MAP B

Herbicides and Pesticides in Groundwater Compared to Maximum Contaminant Level/Health Advisories
Validated Data as of 11/22/02



LEGEND

- Validated Detection Greater than or Equal to EPA MMR Relevant Standard
- Validated Detection Less than EPA MMR Relevant Standard
- Validated Non-detect
- No Data Available
- Proposed Well
- Proposed Water Supply Well
- Current Gun Position
- Current Mortar Position
- Old Gun Position
- Old Mortar Position
- Validated Non-Detect Water Supply Well
- Combat Training Areas
- Military Training Areas
- Military Ranges
- Water Table Contour (feet above mean sea level)
- Validated Detection Less than EPA MMR Relevant Standard, Water Supply Well

Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

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Figure 8
Perchlorate in Groundwater
Compared to EPA MMR Relevant Standard
Validated Data as of 11/22/02

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278 000 279 000 280 000 281 000 282 000 283 000

832 000 831 000 830 000 829 000 828 000 827 000 826 000

Demo Area 2

Central Impact Area

Demo Area 1

Southeast Corner of the Ranges

Scale 1" = 1,200 Feet

Gibbs Pond
Round Swamp
Doughnut Pond
Baileys Pond
Grassy Pond
Succonsette Pond
Opening Pond
Ox Pond
J-3 Wetland
Bypass Bog
Snake Pond
Weeks Pond
Peters Pond
Pimlico Pond

Burgoyne Rd
Gibbs Rd
Jefferson Rd
Spruce Swamp Rd
Pocasset Sandwich Rd
Wood Rd
Barlow Rd
Greenway Rd
Tank Alley
Turpentine Rd
Wheelock Rd
Pocasset Forestdale Rd
Raccoon Ln
Arnold Rd
Snake Pond Rd
Rt 130

RANGECON
USCGANTST
SMR-2
SMR-4
LP-7
LP-10
CIAP-27
CIAP-28
TEXTRONPW-1

MW-72 MW-22 MW-9 MW-8 MW-14 MW-3 MW-4 MW-11 MW-235 MW-244 MW-245 MW-234 MW-236 MW-237 MW-238 MW-239 MW-241 MW-242 MW-243 MW-246 MW-247

OW-1 OW-2 OW-6

J1P-16 J1P-18 J2P-17 J3P-10 J3P-19 J3P-23 J3P-26 J3P-28 J3P-29 J3P-30 D1P-19

WS-2 WS-3

SP3-91 SP4-91

34 38 42 50 54 58 62 66

LEGEND

- Validated Detection Greater than or Equal to EPA MMR Relevant Standard
- Validated Detection Less than EPA MMR Relevant Standard
- Validated Non-detect
- No Data Available
- Proposed Well
- Water Table Contour (feet above mean sea level)
- Current Gun Position
- Current Mortar Position
- Old Gun Position
- Old Mortar Position
- Military Ranges
- Military Training Areas
- Validated Non-Detect Water Supply Well

Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

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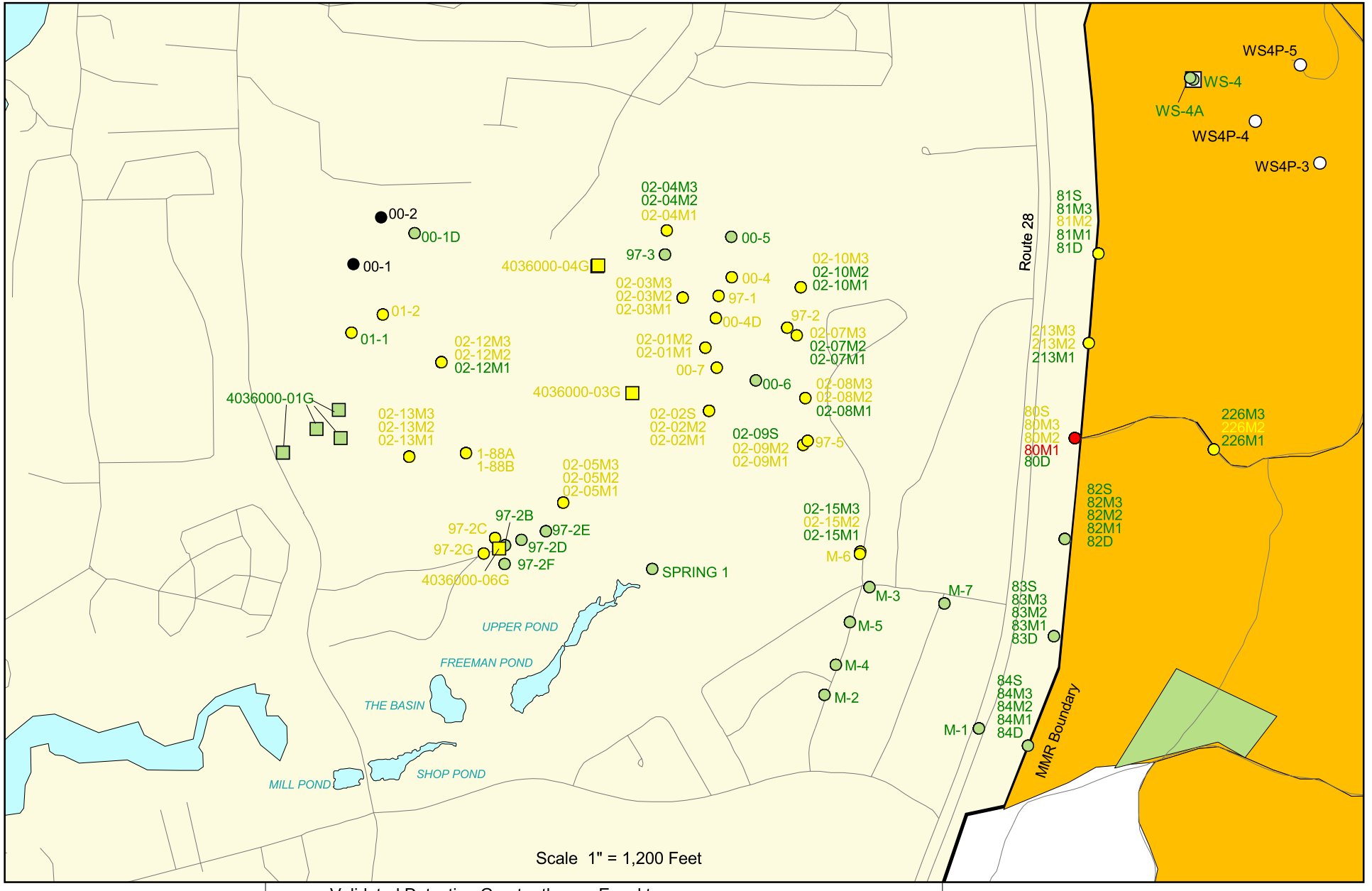
Figure 8 - INSET MAP A

Perchlorate in Groundwater Compared to EPA MMR Relevant Standard Validated Data as of 11/22/02



Sources & Notes
Base data from US Geological Survey
7 1/2 minute Topographic Maps.
Source: MassGIS

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- Validated Detection Greater than or Equal to EPA MMR Relevant Standard
- Validated Detection Less than EPA MMR Relevant Standard
- Validated Non-Detect
- Validated Detection Less than EPA MMR Relevant Standard
- Validated Non-Detect Water Supply Well
- Future Supply Well
- Proposed Monitoring Well
- No Data Available
- Combat Training Areas
- MilitaryTraining Areas

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Figure 8 - INSET MAP B

Perchlorate in Groundwater
Compared to EPA MMR Relevant Standard
Validated Data as of 11/22/02

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Site Characterization (AO1)					
Demo Area 1					
00190	Additional GW Delineation		58	26NOV01A	25FEB03
00192	Agreement Delineation Complete		0		25FEB03
00193	Prepare GW Report Addendum		53	26FEB03	09MAY03
00194	Draft GW Report Addendum	YES	0		09MAY03
00121	Prepare GW RRA/RAM Plan		39	26SEP02A	28JAN03
00122	Demo 1 Dft GW RRA/RAM Plan	YES	0		28JAN03
00123	Revise GW RRA/RAM Plan		65	29JAN03	30APR03
00124	Demo 1 Fnl GW RRA/RAM Plan		0		30APR03
00125	GW RRA/RAM Implementation		210	29JAN03	26NOV03
00126	Demo 1 GW RRA System Start	YES	0		26NOV03
00171	Agencies Approve MORs 01-10		3	02DEC02	04DEC02
00151	Prepare Soil RRA/RAM Plan		54	22JUL02A	19FEB03
00153	Demo 1 Soil Dft RRA/RAM Plan	YES	0		19FEB03
00155	Revise Soil RRA/RAM Plan		65	20FEB03	21MAY03
00183	Demo 1 Fnl Soil RRA/RAM Plan		0		21MAY03
00184	Soil RRA/RAM Field Work		230	24APR03	24MAR04
00186	RRA/RAM Soil Removal Start	YES	0		11AUG03
00188	Prepare Soil RRA/RAM Completion Rep		135	04MAR04	13SEP04
00159	Final Soil RRA/RAM Completion Report	YES	0		13SEP04
Central Impact Area					
Groundwater Plume Delineation					
00285	Install 17 Additional Well Nests		17	13DEC01A	24DEC02
00287	Complete 17 Additional Well Nests	YES	0		24DEC02
02005	Sample/Analyze/Validate 25 Additional		50	31OCT01A	10MAR03
02015	Sample/Analyze/Validate 8/02 LTGM		11	05AUG02A	16DEC02
02020	Prepare GW Report (MCP Ph.II)		35	17DEC02	06FEB03
02025	Submit Draft GW Report (MCP Ph.II)		0		06FEB03
02030	Revise GW Report (MCP Ph.II)		65	07FEB03	09MAY03
02035	Submit Final GW Report (MCP Ph.II)		0		09MAY03
High Use Target Area 1					
01192	Revise Revised Draft Final Report		60	29AUG02A	27FEB03
01195	HUTA Final Report	YES	0		27FEB03
High Use Target Area 2					
Site #1					
01908	Revise Draft Report		0	03MAY02A	21NOV02A
01909	Submit Draft Final Report	YES	0		21NOV02A
Site #2					
01918	Revise Draft Report		0	05JUN02A	21NOV02A
01919	Submit Draft Final Report	YES	0		21NOV02A
Site #3					
01928	Revise Draft Report		0	20JUN02A	21NOV02A
01929	Submit Draft Final Report	YES	0		21NOV02A
Site #4					
01938	Revise Draft Report		0	27JUN02A	21NOV02A
01939	Submit Draft Final Report	YES	0		21NOV02A

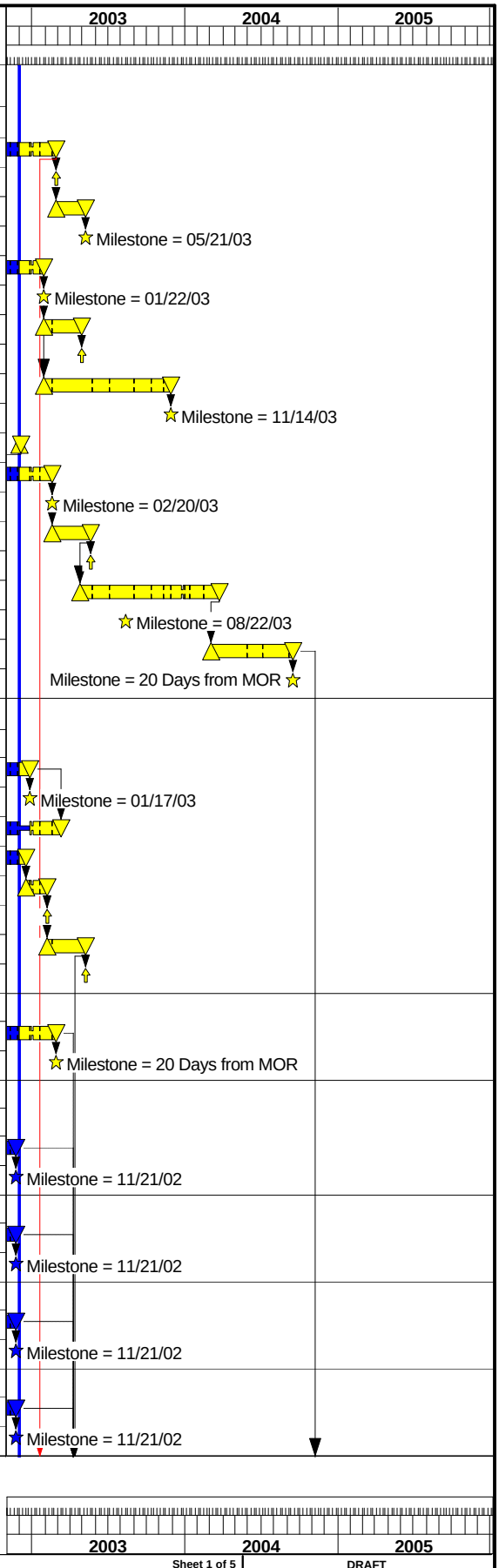

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Figure 9. Combined Schedule for the Impact Area GW Study Program as of 12/2/02

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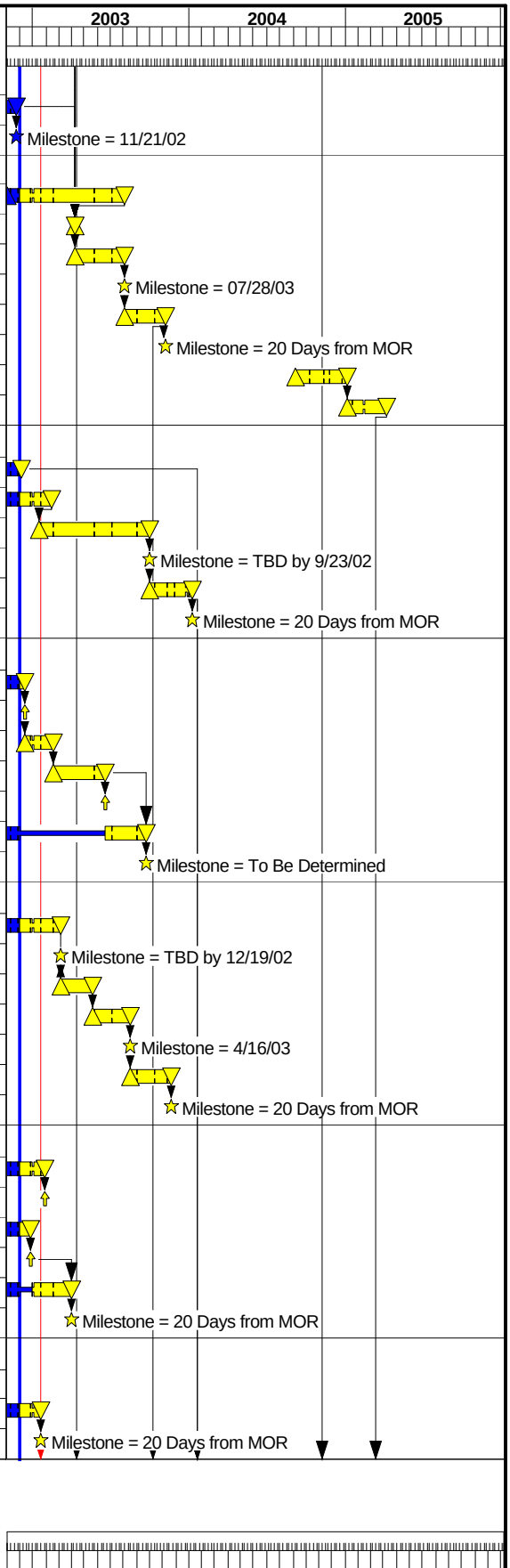
Date	Revision	Checked	Approved

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Site #5					
01948	Revise Draft Report		0	05JUL02A	21NOV02A
01949	Submit Draft Final Report	YES	0		21NOV02A
Soil Report					
00213	Ecological Risk Characterization		169	31OCT02A	01AUG03
00260	Coordination Meeting CIA Soil Report		1	10APR03	10APR03
00261	Final Revisions CIA Soil Report		80	11APR03	04AUG03
00262	Submit Draft Final CIA Soil Report	YES	0		04AUG03
00263	Revise Draft Final CIA Soil Report		65	05AUG03	05NOV03
00292	Final Soil Report	YES	0		05NOV03
00294	Draft Final Soil Report (if Eco Field		80	09SEP04	05JAN05
00296	Final Soil Report (if Eco Field Sampling)		65	06JAN05	08APR05
J-1/J-3 Range					
00497	Additional Delineation Rev. Draft Report		3	24MAY02A	04DEC02
00485	Additional Delineation Investigation		50	27MAR02A	12FEB03
00486	J1/J3/L Range Draft Final Rep. Prep.		181	15JAN03	01OCT03
00487	J1/J3/L Range Draft Final Report	YES	0		01OCT03
00488	Revise J1/J3/L Range Draft Final Rep.		65	02OCT03	07JAN04
00489	J1/J3/L Range Final Report	YES	0		07JAN04
Gun/Mortar Positions					
00570	Additional Characterization G/M		9	22APR02A	12DEC02
00575	Submit Draft Final COC Letter Report		0		12DEC02
00577	Revise Draft Final COC Letter Report		45	13DEC02	19FEB03
00580	Prepare Draft Final G/M Report		85	20FEB03	19JUN03
00585	Submit Draft Final G/M Report		0		19JUN03
00549	Gun/Mortar Rev. Draft Final		65	01AUG01A	22SEP03
00550	Gun/Mortar Final Report	YES	0		22SEP03
Training Areas					
00860	Training Areas Background		65	20MAR00A	06MAR03
00862	Start Training Areas Fieldwork	YES	0	07MAR03	
00864	Training Areas Fieldwork		54	07MAR03	21MAY03
00870	Training Areas Report Preparation		60	22MAY03	15AUG03
00880	Submit Training Areas Draft Report	YES	0		15AUG03
00890	Training Areas Rev. Draft Report		65	18AUG03	19NOV03
00895	Training Areas Final Report	YES	0		19NOV03
Phase II(b)					
01554	Revise Draft SAR Report		40	05AUG02A	29JAN03
01555	Submit SAR Final Report		0		29JAN03
01558	Prepare Draft Final 2b Report		19	09MAY02A	27DEC02
01559	Submit Draft Final 2b Report		0		27DEC02
01560	Revise Draft Final 2b Report		65	20AUG01A	02APR03
01570	Phase II(b) Final Report	YES	0		02APR03
Munition Survey Project					
MSP Phase I					
01625	Revise Revised MSP Phase I Draft		34	04SEP01A	21JAN03
01630	Submit MSP Phase I Final Report	YES	0		21JAN03



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Project Start 29FEB00
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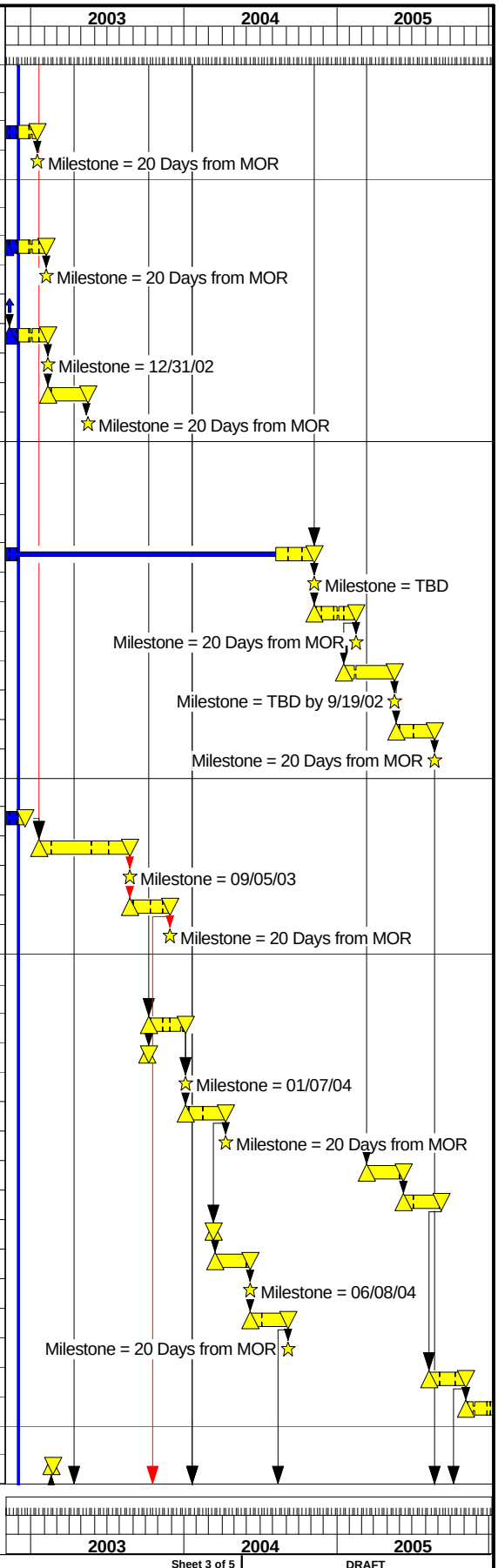
Date	Revision	Checked	Approved

Figure 9. Combined Schedule for the Impact Area GW Study Program as of 12/2/02

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
MSP Phase II					
ASP Geophysics					
01742	Approve MOR & Finalize		33	15APR02A	17JAN03
01749	Submit Final Report	YES	0		17JAN03
MSP Phase III					
CIA MSP Sites #1 and #2					
01798	Revise Eastern Test Site Draft Report		46	25OCT02A	06FEB03
01799	Submit Eastern Test Site Final Report	YES	0		06FEB03
01802	SCAR Site Complete Fieldwork		0		08NOV02A
01803	Prepare SCAR Site Report		49	12NOV02A	11FEB03
01804	SCAR Site Draft Report	YES	0		11FEB03
01805	Revise SCAR Site Draft Report		65	12FEB03	14MAY03
01806	Submit SCAR Site Final Report	YES	0		14MAY03
Feasibility Studies (AO3)					
Demo Area 1					
Soil Operable Unit					
21190	Revise Draft FS Screening Report		63	22JUN01A	08NOV04
21193	Submit Draft Final Demo 1 FSSR	YES	0		08NOV04
21194	Revise Draft Final Demo 1 FSSR		65	09NOV04	15FEB05
21200	Final FS Screening Report	YES	0		15FEB05
21310	FS Preparation		88	18JAN05	20MAY05
21320	Draft FS	YES	0		20MAY05
21330	Revise Draft FS		65	23MAY05	23AUG05
21340	Final FS	YES	0		23AUG05
Groundwater Operable Unit					
21670	Agency Approval of FS MOR		13	02OCT01A	18DEC02
21674	Prepare Revised Draft FS		152	21JAN03	25AUG03
21675	Revised Draft FS	YES	0		25AUG03
21678	Revise Revised Draft FS		65	26AUG03	28NOV03
21680	Final FS	YES	0		28NOV03
Central Impact Area					
Soil Operable Unit					
22110	FS Screening Report Preparation		60	08OCT03	06JAN04
22112	Scoping Meeting for FSSR		1	07OCT03	07OCT03
22120	Draft FS Screening Report	YES	0		06JAN04
22130	Revise Draft FS Screening Report		65	07JAN04	08APR04
22140	Final FS Screening Report	YES	0		08APR04
22142	Draft FSSR (if Eco Field Sampling)		60	14MAR05	06JUN05
22144	Final FSSR (if Eco Field Sampling)		65	07JUN05	07SEP05
22202	FS Scoping Meeting		1	12MAR04	12MAR04
22210	FS Preparation		60	15MAR04	07JUN04
22220	Draft FS	YES	0		07JUN04
22230	Revise Draft FS		65	08JUN04	08SEP04
22240	Final FS	YES	0		08SEP04
22250	(Draft FS if Eco Field Sampling)		60	10AUG05	03NOV05
22260	(Final FS if Eco Field Sampling)		65	04NOV05	09FEB06
Groundwater Operable Unit					
22391	FS Scoping Meeting		1	20FEB03*	20FEB03



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Project Finish 27SEP07
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Date	Revision	Checked	Approved

Figure 9. Combined Schedule for the Impact Area GW Study Program as of 12/2/02

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Groundwater Operable Unit					
22394	Review/Approve Pump Test Report		46	26SEP02A	06FEB03
22395	Submit Final Pump Test Report		0		06FEB03
22396	Update Regional GW Model		49	08OCT02A	11FEB03
22398	GW Flow/Transport Modeling		151	14APR03	17NOV03
22400	FS Preparation		80	29SEP03	26JAN04
22410	Draft FS	YES	0		26JAN04
22420	Revise Draft FS		65	27JAN04	27APR04
22430	Final FS	YES	0		27APR04
SE Corner of Ranges					
23110	FS Screening Report Preparation		40	24NOV03	22JAN04
23120	Draft FS Screening Report	YES	0		22JAN04
23130	Revise Draft FS Screening Report		60	23JAN04	16APR04
23140	Final FS Screening Report	YES	0		16APR04
23150	Post-Screening Invest. Workplan Prep.		22	12APR04	11MAY04
23160	Draft Post-Screening Invest. Workplan	YES	0		11MAY04
23170	Revise Draft PSI Workplan		60	12MAY04	05AUG04
23180	Final Post-Screening Workplan		0		05AUG04
23190	Start Post-Screening Investigation	YES	0	30JUL04	
23200	Post-Screening Investigation		80	30JUL04	23NOV04
23202	FS Scoping Meeting		1	02NOV04	02NOV04
23210	FS Preparation		40	24NOV04	24JAN05
23220	Draft FS	YES	0		24JAN05
23230	Revise Draft FS		60	25JAN05	19APR05
23240	Final FS	YES	0		19APR05
23250	(Draft FS if no PSI)		40	22MAR04	14MAY04
23260	(Final FS if no PSI)		65	17MAY04	17AUG04
UXO					
UXO Operable Unit					
24130	Revise Draft FS Screening Report		20	21MAR01A	30DEC02
24140	Final FS Screening Report	YES	0		30DEC02
Remedy Selection (AO3)					
Demo Area 1					
Soil Operable Unit					
31105	Soil RS Plan Scoping Meeting		1	28JUN05	28JUN05
31110	Prepare Draft Remedy Selection Plan		40	28JUN05	23AUG05
31120	Revise Draft Remedy Selection Plan		65	24AUG05	28NOV05
31130	Remedy Selection Plan		0		28NOV05
31140	Public Comment Period		21	29NOV05	28DEC05
31150	Draft Decision Doc/ Response		44	29DEC05	03MAR06
31160	Revise Draft DD/RS		65	06MAR06	05JUN06
31170	Final Decision Doc/ Response		0		05JUN06
Groundwater Operable Unit					
31505	GW RS Plan Scoping Meeting		1	16OCT03*	16OCT03
31510	Prepare Draft Remedy Selection Plan		30	16OCT03	28NOV03
31520	Revise Draft Remedy Selection Plan		65	01DEC03	04MAR04
31530	Remedy Selection Plan		0		04MAR04
31540	Public Comment Period		22	05MAR04	05APR04

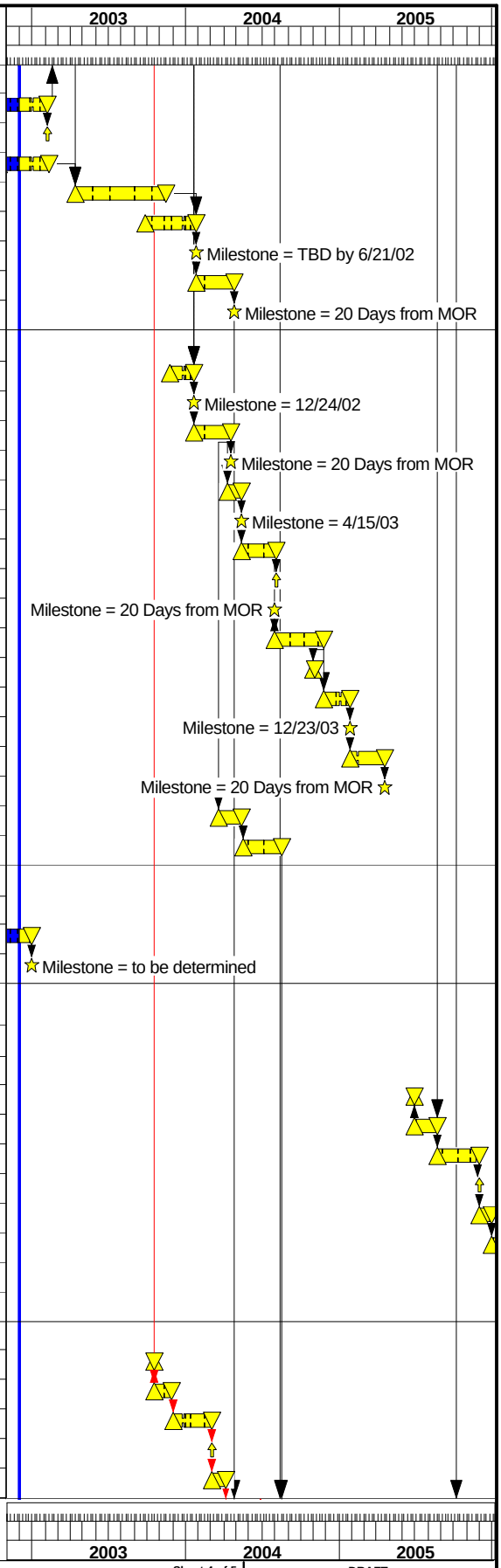

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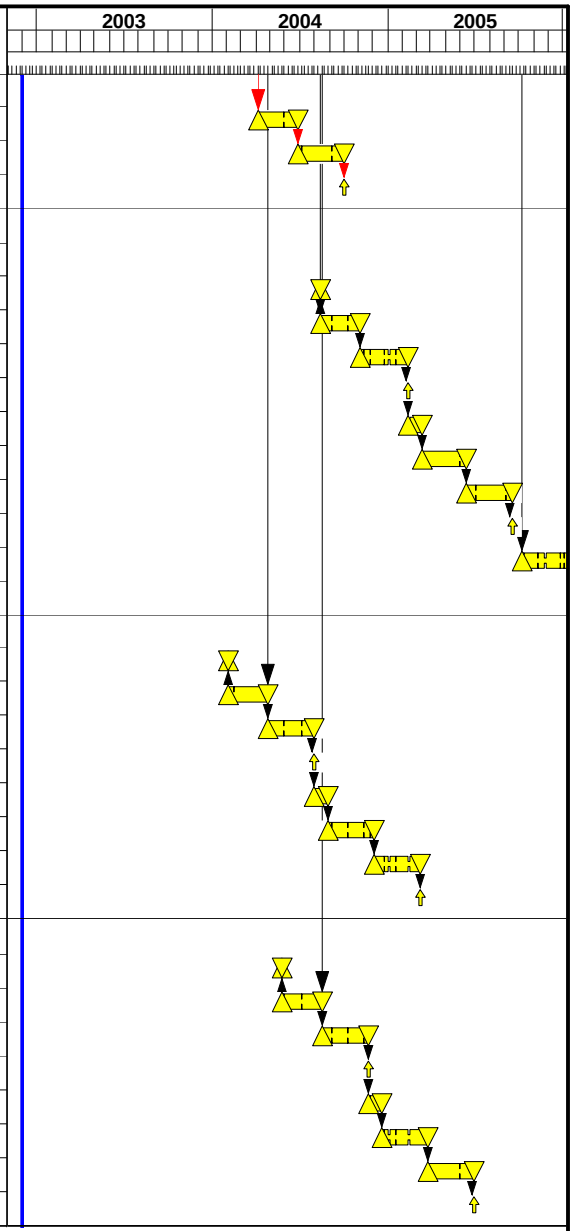
Figure 9. Combined Schedule for the Impact Area GW Study Program as of 12/2/02

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Groundwater Operable Unit					
31550	Draft Decision Doc/ Response		60	06APR04	29JUN04
31560	Revise Draft DD/RS		65	30JUN04	30SEP04
31570	Final Decision Doc/ Response		0		30SEP04
Central Impact Area					
Soil Operable Unit					
32105	Soil RS Plan Scoping Meeting		1	11AUG04	11AUG04
32110	Prepare Draft Remedy Selection Plan		60	11AUG04	04NOV04
32120	Revise Draft Remedy Selection Plan		65	05NOV04	10FEB05
32130	Remedy Selection Plan		0		10FEB05
32140	Public Comment Period		21	11FEB05	14MAR05
32150	Draft Decision Doc/ Response		64	15MAR05	13JUN05
32160	Revise Draft DD/RS		65	14JUN05	14SEP05
32170	Final Decision Doc/ Response		0		14SEP05
32172	Draft DD/RS (if Eco Field Sampling)		210	06OCT05	08AUG06
32174	Final DD/RS (if Eco Field Sampling)		65	09AUG06	09NOV06
Groundwater Operable Unit					
32505	GW RS Plan Scoping Meeting		1	03FEB04	03FEB04
32510	Prepare Draft Remedy Selection Plan		60	03FEB04	27APR04
32520	Revise Draft Remedy Selection Plan		65	28APR04	29JUL04
32530	Remedy Selection Plan		0		29JUL04
32540	Public Comment Period		21	30JUL04	27AUG04
32550	Draft Decision Doc/ Response		64	30AUG04	01DEC04
32560	Revise Draft DD/RS		65	02DEC04	08MAR05
32570	Final Decision Doc/ Response		0		08MAR05
SE Corner of Ranges (if no PSI)					
33105	RS Plan Scoping Meeting		1	24MAY04	24MAY04
33110	Prepare Draft Remedy Selection Plan		60	24MAY04	17AUG04
33120	Revise Draft Remedy Selection Plan		65	18AUG04	19NOV04
33130	Remedy Selection Plan		0		19NOV04
33140	Public Comment Period		21	22NOV04	21DEC04
33150	Draft Decision Doc/ Response		64	22DEC04	25MAR05
33160	Revise Draft DD/RS		65	28MAR05	27JUN05
33170	Final Decision Doc/ Response		0		27JUN05



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Project Start 29FEB00
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Date	Revision	Checked	Approved

Figure 9. Combined Schedule for the Impact Area GW Study Program as of 12/2/02