MONTHLY PROGRESS REPORT #59
FOR FEBRUARY 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 February 1 to February 28, 2002. Scheduled actions are for the six-week period ending April 12, 2002. Please note that Figure 4 and Figure 6 will be updated and published semiannually and were last included in the January 2002 Monthly Progress Report.

1. SUMMARY OF ACTIONS TAKEN

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

Table 1. Drilling progress for February 2002

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-202	Central Impact Area (CIAP-15)	329	185	215-225; 264-274
MW-203	Central Impact Area (CIAP-20)	350	204	166-176
MW-204	Central Impact Area (CIAP-22)	260	204	76-86; 141-151
MW-205	Central Impact Area (CIAP-16)	276	178	167-177; 266-276
MW-206	Central Impact Area (CIAP-19)	180	21	
MW-207	Central Impact Area (CIAP-18)	160	16	
MW-208	Central Impact Area (CIAP-21)	230	92	

bgs = below ground surface
bwt = below water table

Completed drilling and well installation of MW-202 (CIAP-15), MW-203 (CIAP-20), MW-204 (CIAP-22), and MW-205 (CIAP-16). Commenced drilling of MW-206 (CIAP-19), MW-207 (CIAP-18), and MW-208 (CIAP-21). 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-202, MW-203, MW-204, MW-205, MW-206, MW-207, and MW-208. Groundwater sampling of preliminary rounds for recently installed Demo 1, J-1 Range, J-2 Range, J-3 Range, and Central Impact Area wells continued. Groundwater samples were collected from a residential well, Bourne water supply wells, Bourne sentry wells, Bourne far field wells and the Sandwich Town Hall Spring Well. Water samples were collected from the GAC treatment system.

Soil samples were collected from polygons in the J-2 Range, from grids at the RRA Containment Pad (Scrap metal staging area), from soil cuttings at recently installed monitoring wells and from fill used for well installation. Soil samples were also collected from grids at Target 54 in the Central Impact Area. Post-excavation soil samples were collected from BIP crater excavations in the J-2 Range. Post-detonation soil samples were collected from crater grids in the Central Impact Area.

As part of the Munitions Survey Project, pre-detonation and post-detonation soil samples were collected from the J-1 Range, and Transects 3 and 4 in HUTA2. Wipe and soil samples were collected from UXO and soil samples were collected beneath UXO in Transect 3. Soil samples were collected from a burn pit uncovered in the J-1 Range and from a J-1 Range polygon.

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

Punchlist Items

#2 Provide PZ208 analyses results (AMEC). Explosives were non detect. Perchlorate results to be provided by 02/28.

#8 Provide List of UXO too large to be detonated in CDC (Corps). List provided. Eight items, as specified on the list, are still being evaluated by the Huntsville District Corps for potential destruction in the CDC.

#9 Provide approval of comments on the MSP3 Central Impact Area Workplan (EPA/DEP). Verbal approval received from EPA to proceed.

#11 Provide feedback on recommendation for MW-181 RAD analyses (EPA). EPA asked that the final course of action be summarized in an email to include analyses turn-around-times. EPA gave their verbal approval to complete analyses as proposed: Profile water for Radium-226 and 228; Thorium 228, 230, and 232; and Radon-222. The radium samples have a 30-day TAT and the radon has a 14-day TAT. Profile soil sample for Radium-226 and 228 and Thorium 228, 230, and 232. The radium samples have a 30-day TAT and the thorium samples have a 14-day TAT.

#12 Provide feedback on Guard's 01/12/02 letter proposal to discontinue routine Pesticide/PCB groundwater analyses (EPA). Written comment to be provided by 02/14. EPA requested that PCB analyses be retained for wells at the SE Corner of the Ranges, since there have been detections of PCBs in some wells on these ranges. Otherwise, EPA viewed the proposal as acceptable. AMEC to see if cost savings is achieved by excluding Pesticides from the Pesticide/PCB analysis.

#13 Provide particle backtrack from MW-80 to locate potential perchlorate source (Corps). Particle backtrack distributed. Backtrack passes through the north edge of MP-4 along the line with MW-70 and terminates at the north end of Cleared Area 12. The Guard proposes to do soil sampling at Cleared Area 12 as part of the Phase IIb scope of work, but not to do sampling for perchlorate at MP-4, particularly because perchlorate was not detected in samples from MW-70S. EPA to review information and consider the Guard's proposal.

#14 Provide analyses results from BA-1 electron tube wipe sample (Tetra Tech). Wipe sample was non detect for PCBs. Ellen Iorio (ACE) to check to see if EPA has been sent all soil results. In the interim, BA-1 Letter Report is expected to be submitted 2/13/02.

Munitions Survey Project Update

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

AirMag. Excavation of anomalies to begin on 2/11, beginning with 17 approved anomalies, beginning in Area 4. Excavation schedule is forthcoming; expected finish date is week ending 4/05/02.

HUTA2. Transects 1&5 –QA magnetometer survey, to be completed with Nick Iaiennaro (ACE), is pending. Exclusion zone will need to be established for survey. Transect 2 – All EM61 anomalies excavated. Schonstedt clearance survey was completed for 2.5 grids. Stopped for well installation. Transect 3 – Continued excavation of anomalies. Anomalies have been excavated for 7 grids, of these grids, 5 have been surveyed using the Schonstedt. Work to be terminated today. Transect 4 – Continuing excavation of anomalies – excavation and Schonstedt clearance survey completed for 14 grids. BIPs Scheduled for 02/07 – 105mm

HEAT M509 PIBD Fuze at Transect 3. 155mm HE M51 Series PD Fuze and 81mm Mortar HE M43 with Unknown Fuze at Transect 4

J Range Polygons. Excavation of J-1 Range Polygons 2-5 that require notification to the town of Sandwich have been completed. No UXO burials have been found; only concrete pads, metal debris and trash have been uncovered. Currently excavating J-1 Range Polygon 1. J-2 Range Polygons 17-35 investigation will follow and then J-3 Range Polygons. Tetra Tech is working on blast shields to utilize during excavations to increase safety.

Eastern MSP. ROA for grubbing and clearing approved 1/28. EPA provided verbal approval to begin grubbing tomorrow 02/08. Awaiting approval to begin excavations.

Scar Site. ROA approved. Grubbing to begin next week.

U Range. ROA approved. Work to begin in the near future. Corps is coordinating with AMEC for sampling.

BA-1 Disposal Site. Report to be submitted 2/13/02.

ROA Summary

Karen Wilson (IAGWSPO) reviewed Record of Actions submitted or pending submission to Natural Heritage.

- ROA has not been submitted for well to be located at soil washing pad.
- Eastern MSP ROA for excavation activities is outstanding.
- ROAs for proposed well CIAP-14 through CIAP–24 have been approved. ROA for CIAP-17 dictates the construction of a temporary road, avoidance of all mature trees and removal of road following well installation.
- Location for CIAP-11 has been revised; the ROA has yet to be submitted.
- ROA for CIAP-12 will need to be revised based on final proposed location. CIAP-12 will likely be accessed from a 700 + foot road built off of MW-107. Len Pinaud (MADEP) questioned the need for this well, considering that it is to be located in prime endangered species habitat. Jay Clausen (AMEC) stressed that this well is required to define the upgradient extent of contamination, assess the interaction of the Central Impact Area and J Range plumes, and may be critical to the design of a remedy. Mike Jasinski (EPA) pointed out that as a compromise to preserve natural resources, EPA previously agreed that CIAP-13 could be dropped from consideration in deference to the proposed location for CIAP-12.
- Mike Nelson is new contact for Guard/IAGWSP at Natural Heritage.

MCP Coordination Update

Bill Gallagher (IAGWSPO) outlined issues related to ensuring that the IAGWSP documents meet the MCP requirements.

- The Guard is working out a process to comply with requirements of Phase I and Phase II MCP submittals. RCS-1 standards will be referenced in Phase I documents and Method 1 standards will be referenced in Phase II documents.
- Todd Borci (EPA) indicated that the agreement had been that RCS-1 exceedances can be summarized in the text and in a table in an appendix to a report. However, the RCS-1 values should not be used for purposes of risk screening, as they are for reporting purposes to DEP only.
- The Guard, MADEP and EPA concurred that exceedances resulting in a MCP reportable condition could be addressed in a separate paragraph or section of a Report that would serve as a Phase I submittal. The Guard had also committed to notify the MADEP every 90 days of new RCS-1 exceedances, separate from report submittals.
- The Guard and MADEP concurred that the Final Report would be considered the MCP submittal. Per the MCP process, MADEP would review the Final Report and provide a formal MCP comment. However, the MADEP would informally provide “compliance

assistance" on any prior draft report submitted by the Guard, if it was identified as contributing to a future MCP submittal. In this way, the formal comment on the Final MCP submittal should be minimal.

- Regarding the Demo 1 Area Ecological Risk Assessment Workplan, recent EPA comments indicated that they did not view the MCP Stage 1 Risk-screening criteria of visual evidence of stressed condition to vegetation as an adequate method to assess potential impacts. EPA would like to make the Eco-Risk Screening process consistent base wide. Len Pinaud (MADEP) indicated that EPA could provide additional comment or requirements to MCP requirements as they saw necessary. Mike Jasinski (EPA) requested that a list be prepared showing where EPA's requirements exceeded the MCP requirements relative to Eco-Risk Screening. These issues to be resolved during comment resolution on the Workplan.
- Regarding BIP sampling and removal, the Guard proposed to remove all soil that exceeded RCS-1 criteria (not just explosive-impacted soil). Therefore, they would like to report all data (VOCs, SVOCs, explosives and total metals) at one time. The standard turn around time for these analyses would be 30 days. EPA requested that this new approach be submitted in a Workplan to include the pre-BIP sampling protocol. Ben Gregson (IAGWSPO) indicated that RCS-1 standards applied to the BIP crater soil removals as opposed to Method-1 Standards because the removals were less than 2 cubic yards and as such were considered a Limited Soil Removal. There was no MCP requirement to report the removal, but all the documentation regarding the removal was still required to be maintained.
- Len Pinaud requested that the MCP coordination be added to the agenda as a monthly Tech meeting discussion.

Sandwich Boiling Springs Well

- Ben Gregson (IAGWSPO) indicated that this well located at Town Hall in Sandwich consists of a pipe coming out of a box. The well was included on a list of DEP-approved water supply wells. The Guard is proposing to sample the spring water for explosives and perchlorate analyses.
- Mark Panni (MADEP) to follow-up with the DEP Water Supply Section regarding correct well name, list of routine sampling parameters and past results.
- Update to be provided at next Tech meeting.

MW-187

Herb Colby (AMEC) reviewed preliminary (unvalidated) results of VOC, SVOC, and explosive data for MW-187D that were distributed at the meeting.

- This well is screened at 200-210 ft bwt, just above bedrock. Elevated levels of benzene, toluene, ethylbenzene, xylene, naphthalene and other VOC/SVOCs were detected in recently collected groundwater samples. Benzene and naphthalene were detected in concentrations in excess of MCLs. These results were not consistent with profile sample results.
- AMEC recommended analyzing the residual sample volume from the original groundwater sample for EPH/VPH and petroleum hydrocarbons (modified Method 8015). The modified Method 8015 analysis will allow for fingerprinting of the sample for comparison to other petroleum-like materials (PLM), fuels and lubricants that were fingerprinted as part of the PLM study. This well is downgradient of the J-1 Range water table mound and in the vicinity of MW-164 where the PLM was initially encountered.
- AMEC also recommended resampling and analyses for VOCs, SVOCs and EPH/VPH and collection of additional sample volume for petroleum hydrocarbon fingerprinting as warranted.

- EPA approved the analysis and requested that resampling parameters include explosives.
- Punchlist item to be added to track follow-on analyses.

IART Agenda and Action items

Tina Dolen (IAGWSPO) reviewed the agenda for the February IART meeting.
Topics were discussed among the Tech meeting team and set as listed:

6:15pm	Review Action Items
6:30pm	Late Breaking News (none to date)
6:35pm	Investigation Update (Handout A)
	Recent Detections (include all perchlorate and MW-187 detections)
	J Range Polygon Update
7:35pm	Break
7:45pm	HUTAII
	Scope of work/objectives
	Summary of findings to date (#UXO excavated/details)
8:25pm	Bourne Far Field Wells (MW-80, MW-84)
	to answer question: Are detections at these well going to impact Bourne Water Supply wells?
	Summarize MW-80 and MW-84 detections
	Present data for Bourne Wells/sentry wells
	Discuss Modeling Results/fate and transport
	Guard's plan of action
8:35pm	Open Discussion
	Prescribed Burn Permit

Future Agenda Items: Base Water Supply Wells, WS-1, 2, 3. March IART; Fate and Transport Presentation, March IART; Fate and Transport Study discussion to be held as After Meeting for Tech meeting, invite Jim Stahl to attend; Gun and Mortar Firing Positions Workplan, April IART.
Meeting with Bourne Water Superintendent, Ralph Marks – 02/11 at 1pm.
Action Items distributed. Comments on Action Items due by 02/13.

Demo 1 Area Plume Delineation Schedule

Dave Hill (IAGWSPO) and Mark Applebee (AMEC) reviewed schedule items.

- UXO clearance for the road is scheduled to commence by 02/11; drilling for D1P-9 scheduled to begin 03/19.
- A revised schedule for the Demo 1 Groundwater FS was distributed along with an email explaining changes that were made based on discussions among the Guard, the Corps, AMEC, EPA, and MADEP in a 2/04/02 conference call. As presented, the Demo 1 Area GW FS is scheduled for agency submittal on 11/27/02.
- Mike Jasinski (EPA) requested that the Guard propose enforceable milestones for execution of this schedule. Ben Gregson (IAGWSPO) maintained that they are not needed, because the schedule is a high priority for the Guard and would be executed as stated unless various obstacles (not within the Guard's control) are encountered. In those cases, extension requests would be submitted to the agencies.
- With the EPA's insistence on the need for enforceable milestones, the Guard expressed that the only milestone that was reasonable would be an installation date (04/09) of monitoring well D1P-9, the results of which would dictate the remaining schedule. If required, the submittal dates for the Demo 1 GW Report Draft Addendum (MCP Phase II) of 09/16 and the Draft Final Feasibility Study Report (MCP Phase III) of 11/27 would be the next likely candidates for enforceable milestones.

- EPA to consider these dates and the Guard's recommendations and provide feedback to the Guard prior to the Guard proposing these dates as enforceable milestones in a formal letter.

Demo 1 Area Soil Operable Unit

Dave Hill (IAGWSPO) and Mark Applebee (AMEC) reviewed issues relative to the Demo 1 Area Soil OU.

- Currently there are three ongoing investigations that pertain to the soil OU at Demo 1. These include a post-screening investigation (PSI) addressing the area outside the kettle hole at Demo 1; an MCP EcoRisk Assessment for which a Workplan is under review by the agencies, and evaluation of PCNs/Dyes/Perchlorate in soil. Concomitantly, a Draft Final Soil Report has been submitted and commented on by EPA. DEP is preparing comments to this report.
- The Guard would prefer to delay the finalizing of the Draft Report to wrap the results of these ongoing investigations into the report, which would include a final COC list.
- Within this revised Draft Final Report, the Guard would recommend a Rapid Response Action (RRA) or the Feasibility Study (FS) track for addressing soil remediation. The objective of the RRA would be to complete remediation without needing to go through the FS process. Mike Jasinski commented that it was also possible that the kettle hole portion (center) part of the Demo 1 area could be addressed as an RRA immediately, while at the same time the surrounding area could be incorporated separately in the FS process.
- Mike Jasinski requested that the Guard provide a detailed schedule for the Soil Report with dates and an explanation of what data would be incorporated into the report.

Schedule and Documents

Marc Grant (AMEC) reviewed the document and schedule status. Important outstanding items were addressed as follows:

Documents Having Comments

IAGWSP Phase I CWR and 1999 Interim Results Report – Todd Borci indicated that the EPA did not want letters stating that these reports would not be finalized, issued as an MOR. EPA's intent was not to respond to these letters. These letters should be rephrased specifying that the Guard, MADEP, and EPA agreed on this course of action and submitted to the project file.

Gun and Mortar Revised Draft Final Report (TM 01-14) – DEP to provide comment on report. EPA to review status of MOR.

Demo 1 GW FS (TM 01-17) – Additional input from EPA will be emailed by Mike Jasinski prior to draft of MOR.

CDC Test Results Report – Todd Borci to indicate whether Resolution Meeting can be held on 02/14. Verbal approval received in January and operation of CDC will commence next week.

Demo 1 Ecological Risk Assessment Workplan – Resolution meeting scheduled for 2/14.

Revised Demo 1 Soil Report (TM 01-10) – Resolution meeting scheduled for 2/21.

Documents Needing Comments

Training Areas FSP – There is an April 1 enforceable milestone to start work. This date cannot be met because comments on FSP have not been received.

Draft Revised ASR – EPA comments expected on 2/28.

HUTA Report – EPA comments expected on 2/14.

Supplemental Phase 2b Workplan – EPA comments expected 2/11.

UXO Interim Screening Report – 04/11 enforceable milestone for the final report cannot be met because comments on the draft report have not been received. EPA comments expected on 2/21. Electronic copy to be forwarded to Len Pinaud, ASAP.

Extension Requests

J1J3L Range Additional Delineation Report – EPA requested that Guard wait for RCL for 2nd Workplan prior to submitting request.

- Todd Borci requested that extension requests for the J1J3L Ranges Report, revised Demo 1 FSSR (TM 01-12), UXO FSSR, Training Areas Fieldwork and Central Impact Area MSP3 sites (per Ellen Iorio) be wrapped into a single request.

Miscellaneous

- Todd Borci (EPA) agreed with the Guard that sampling around the recently discovered potential demolition area at Former A Range was warranted, to be included as part of the Phase IIb Supplemental Workplan scope of work. EPA is reviewing the analytical data to determine if additional sampling is necessary at the former firing point. If explosives were detected, additional sampling may be requested. EPA to review as-built drawings, aerial photographs, and address this issue in comments to be submitted on the Former A Range Report.
- AMEC to forward electronic copy of Fate and Transport Report to Adam Balogh.
- Todd Borci (EPA) requested that previous ASR interviews be reviewed to develop a list of people knowledgeable of the BOMARC site, for possible follow-on interviews.

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

Punchlist Items

#1 Verify Wells on Snake Pond Inset Map (AFCEE). AFCEE will not be able to complete this task at this time. AMEC to speak to Rose Forbes and Senior Corps regarding status of existing information. Guard suggested AMEC field crews could document wells in surrounding area as they sample other wells. AMEC could potentially do verification as part of mobilization step in J Range investigations. EPA indicated that well numbers need to be verified.

#5 Provide Status of UXO too large to be detonated in CDC (Corps). EPA noted that they provided a letter to the Guard, dated February 12th, which clarified two issues that the Guard questioned regarding destruction in the CDC. EPA requested information on disposition of 56, 81mm Mortar rounds recently uncovered in J-1 Range Polygon 1. Status of Mortars (inert or HE) has not been determined. Gina Tyo to follow-up on status and assess the potential that the mortars could be included in upcoming destruction activities at the CDC (2 week duration). Whether the mortars could be included in this round of activity may be limited by the existing backlog and the current contract scope for the CDC.

#8 Provide summary of MW-181 RAD analyses and schedule to complete (AMEC). Email summary provided on 02/08/02.

#9 Provide approval of Guard's 01/17/02 letter proposal to discontinue routine Pesticide/PCB groundwater analyses (EPA). EPA to respond shortly.

#10 Provide cost assessment for discontinuing Pesticide portion of PEST/PCB analysis (Corps). Cost information emailed 02/13/02.

#12 Provide analyses results from BA-1 electron tube wipe sample (Tetra Tech). It was noted that PCBs were not detected in the wipe sample collected in the tube. In addition, an email sent 02/13/02 indicated that soil analytical results were provided on 1/11/02; 1/18/02. BA-1 Letter Report to be submitted today.

#13 Provide list of past ASR interviewees w/ BOMARC site knowledge (Corps). Information emailed to Todd Borci. Gina Tyo to forward email to Jane Dolan, and copy Ms. Dolan on any future ASR-related items.

#15 Provide status and schedule for resampling of MW-187 (Corps/AMEC). MW-187 resampled on 2/11/02; results will be available 2/18/02. Agenda item for next week.
#16 Email TM 01-7 Report to MADEP (AMEC). Report emailed to Len Pinaud.
#17 Provide response to Adam Balogh's memo regarding CIA Pump Test (Corps/AMEC). Email responses sent 2/13/02 and 2/14/02; discussions further in After Meeting on CIA Pump Test.
#18 Provide schedule for sampling Sandwich Town Hall Spring Well (Corps/AMEC). Spring sampled for explosives and perchlorate on 02/13/02. Related topics discussed further on agenda.

Sandwich Town Hall Spring Well and other Water Supply Wells

- Official name is Town Hall Spring well located on Main Street in Sandwich. This well was sampled by AMEC on 2/13/02 for explosives, perchlorate analyses.
- Jeff Rose (DEP Water Supply) indicated to Mark Panni (DEP) that this well is only analyzed for nitrate, nitrite and sodium by the Town of Sandwich.
- Five Sandwich Water Supply Wells were sampled for explosives within the last 2 weeks. Residual sample volume from these analysis were sent to Ceimic for analysis of perchlorate.

- Bourne Water Supply Wells were sampled for explosives/perchlorate last on 1/30/02. Bourne Sentry Wells were sampled this week.
- At a meeting with the Town of Bourne Water District and Guard on 2/11/02, Jeff Rose requested that the Guard sample Bourne's 6-inch Test Well, a deep well screened at bedrock, drilled as part of the Bourne well field development. AMEC to obtain information on well, GPS coordinates, and map of well location.

Central Impact Area Wells Update

John Rice (AMEC) described the status of well installations in the Central Impact Area.

- CIAP-20, CIAP-22, and CIAP-16 are currently being drilled. Drilling expected to be completed by mid next week. Screens to be selected at end of next week or at the beginning of the week of February 25th.
- The next wells scheduled for installation are CIAP-18, CIAP-19, and CIAP-21.
- Karen Wilson (IAGWSPO) indicated that ROAs for CIAP-11, CIAP-12 were sent to Mike Nelson (Natural Heritage) for delivery today.
- Mike Jasinski (EPA) suggested that the Guard schedule a site visit with Mr. Nelson since it was his first experience with MMR.

Munitions Survey Project Update

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

AirMag. Excavation of 17 approved anomalies commenced, beginning with Area 4. Excavation of 11 items is complete. 10 anomalies are reported to contain trash. One anomaly is 20 feet off the road and a backhoe is needed for further investigation – effort to be coordinated with Karen Wilson. Findings will be provided in a matrix form next week. Visual investigation of Area 3 items will commence next week.

HUTA2. No activity on HUTA2 due to a non intrusive window (until 3/4/02) to allow other contractors to complete tasks. Polyethylene covering on HUTA1 soil stockpiles was damaged in recent storms and was replaced.

J Range Polygons. Excavation of J-1 Range Polygon 1 revealed 1 burial area, 1 burn pit, and 1 burial area/burn pit. Soil samples were collected in one burn pit. In Burn Pit 2, a 5-gallon bucket with material similar to roofing-tar was uncovered. Photoionization Detector readings on the material were 10 ppm. This material and the surrounding soil have been sampled. BIPs

scheduled for 4 items on 02/15/02 including 3, 31mm HE rounds, 2 with partial fuze and one with an intact fuze; and one M524 fuze.
Eastern MSP. Grubbing of area is being conducted this week.
Scar Site. Minor grubbing is being conducted this week to allow access to surveyors.
U Range. Work to begin in the near future. Corps is coordinating with AMEC sampling activities.
BA-1 Disposal Site. Report to be submitted 2/14/02. Tetra tech is maintaining stockpiles and perimeter fencing.
Follow-up Actions.

- Determine status and disposition of J-1 Polygon 1 mortars.
- Coordinate timing of the mortar removals with Tina Dolen for Sandwich notification purposes.

Miscellaneous

- Ellen Iorio (ACE) to provide schedule for submission of remaining MSP3 Workplans by 02/21/02. Add as Punchlist Item.
- Ms. Iorio requested agency comments on the revised Central Impact Area sites and U Range Workplans (redline strikeout versions) by 02/19/02.
- Gina Tyo (ACE) indicated that ASR witness interview #32 will be revised to clarify that observation of munitions in Pond was not a first-hand account. Tetra Tech is compiling a list of remaining interview request to determine what can be completed by the Private Investigator under the existing contract scope.

The Guard, EPA, and MADEP had a meeting on February 21 to discuss technical issues, including the following:

Punchlist Items

#6 Provide approval of Guard's 01/17/02 letter proposal to discontinue routine Pesticide/PCB groundwater analyses (EPA). EPA response received.

#16 Determine disposition of J-1 Polygon 1, 81mm mortars (Corps). Original 56, 81mm mortars were found to be inert. These mortars and an additional 1,041, 81mm mortars discovered in the burial areas, also determined to be inert, have been staged at the HUTA1 soil stockpile staging area. Also, sent to the staging area were 43, 105mm projectiles, unfuzed. Further identification and disposition of an additional 174, 81mm mortars with obscured lot numbers is pending. 111 adapter boosters and fuzes (quantity not identified) have been sent to the ASP. Three 81mm mortars and three 105mm projectiles to be BIPed.

#17 Provide schedule for submitting remaining MSP3 Workplans (Corps). Schedule distributed by email. Ellen Iorio (Corps) summarized email. MSP3 Report comments were due 2/19; EPA to comment shortly. Site walk to be scheduled to visit sites 3/5 or 3/6. Corps would like to schedule 3 separate scoping meetings to address subsets of MSP3 sites (3/7, 3/14, 4/10). Figures and reconnaissance descriptions to be forwarded to agencies 2 or 3 days before scoping meetings.

Munitions Survey Project Update

Rob Foti (Corps) provided an update on the MSP3 and HUTA tasks.
AirMag. Excavation of 16 of 17 approved anomalies has been completed. The 17th anomaly located at the KD Range is outstanding; backhoe needed for the excavation, possible 2/22. Table of findings were provided in the weekly email. Additional work is on hold until Workplan comments provided in Jane Dolan's (EPA) email are resolved. Resolution of comments to be discussed by conference call on 02/27.

HUTA2. Intrusive activity was conducted for one day at Transect 4. More activity at Transect 4 possible 2/22 and next week. Intrusive work to be continued at Transects 2&3 on 3/4.
J Range Polygons. Excavation of J-1 Range Polygon 1 continues. Still finding materials at six feet in 2nd burial area and one additional anomaly still needs to be investigated in this polygon. Therefore, activities at Polygon 1 will likely continue next week. Investigations will be terminated at the polygon boundary unless materials are identified in the sidewalls of the excavations.

- Jane Dolan (EPA) requested that a date for work to proceed on the new (un-contracted) J Range Polygons be provided. Corps to provide date in 2 weeks.

Eastern MSP. Continue grubbing of area, next step will be surface avoidance.
Scar Site. Minor grubbing is being conducted this week to allow access to surveyors.
General MSP3 Scope. Reconnaissance of Ox Pond, N Range and Barrage Rocket Site/Hillside at J-3 Range commenced. Reconnaissance data to be provided on 3/4.
Follow-up Actions.

- Provide date for additional J Range Polygon investigations in 2 weeks.

ASR Witness Update

- Redacted summary of follow-up interview with Witness #30 distributed. Copies with witness names distributed to EPA. Interview to be sent to Todd Borci by email.
- Add to Punchlist, any outstanding interviews (possibly Witness #32) to be distributed next week.
- Jane Dolan (EPA) requested that a meeting be arranged to discuss how many more interviews are needed. Added as an agenda item next week.
- EPA's email of additional questions for interviews to be forwarded to Linda Danes (Tetra Tech).

Central Impact Area Wells Update
Heather Sullivan (Corps) described the status of well installations in the Central Impact Area.

- Screen selection was completed for CIAP-16 (MW-205) on 2/20. Screen selection for CIAP-20 (MW-203) and CIAP-22 (MW-204) likely next week.
- The next wells scheduled for installation are CIAP-18, CIAP-19, and CIAP-21.
- ROAs for CIAP-11, CIAP-12 were approved, conditional upon the gravel road for CIAP-12 being removed within 60 days. This will make groundwater sampling at this well difficult, as it is 700 feet off of a roadway, but AMEC will persevere.
- Discussion on location for CIAP-23 to be conducted at next week's Tech meeting. Based on the detection of explosives in CIAP-16, Bill Gallagher (IAGWSPO) recommended that the well be moved east of its currently scoped location.
- AMEC to notify Ken Gaynor (Jacobs) of sampling schedules for CIAP-8 (MW-200) and CIAP-10 (MW-201) so that Jacobs can collect splits.
- The Guard is sending a letter regarding the general fieldwork schedule to the agencies.

Bourne Wells Contributing Area Maps
Plan view maps of contributing areas for Bourne Supply wells (2000 and 2020 pumping rates) were distributed. These also show particle tracks from MW-84M1 and MW-80M1 (Figures 1 and 3) and MW-84D (Figure 2 and 4). The maps are intended to show that particles from these monitoring wells are variously captured/not captured in the supply wells, depending on conditions. However, this is difficult to convey in plan view and cross-sectional views cannot be produced.

- Bill Gallagher (IAGWSPO) indicated that these maps were to support the IART presentation if needed. The Guard was soliciting agency comments on the maps in case they would be used in that context. Comments should be forwarded ASAP.
- Mike Jasinski (EPA) indicated that because no cross-sections could be provided for the contribution areas, the maps could be a little confusing and should only be used if necessary. Todd Borci (EPA) emphasized that testing of the supply wells is being conducted, so we know there is no impact to the Bourne supply wells. The modeling, although useful, has not been relied upon to demonstrate this.
- Marc Grant (AMEC) suggested that the modeling information be shared with the Bourne Water District. Mark Panni requested that the information be forwarded to Larry Dayian (Chief, Water Supply, MADEP).
- Leo Yuskus (Haley and Ward), on behalf of the Bourne Water Supply District, sent a letter to the Guard requesting sampling of additional district wells. Well construction information and a map of the wells were included with the request. A hard copy of the letter, well construction information, and map to be provided to Jane Dolan.
- The Guard will likely agree to this sampling; this information to be added to "Next Steps" slide in February IART Presentation C.
- Results from Water Supply well sampling are due today; submission of results to be added as a Punchlist item.
- Press release to be sent tomorrow regarding detections in Far Field Wells. Comments on press release to be sent to Pam Richardson (IAGWSPO) by 3pm today. If the comments can't be resolved, the press release will not go out.

MW-187 Resampling Update

- Analytical results from MW-187 resampling were distributed 2/20. These results were consistent with previous results. Results provided in hard copy to Ken Gaynor (Jacobs), also AMEC to email.
- MW-187 was drilled to bedrock at 320 ft bgs. No till was encountered. The well screen was set in gravel from 306-316 ft bgs.
- John Rice (AMEC) suggested that CIAP-11, located on the particle track from MW-187 be drilled to bedrock (probably 250 feet bwt), currently it is scoped to 200 ft bwt. Bill Gallagher concurred.
- Todd Borci (EPA) suggested that all proposed wells downgradient of this well and all proposed J-1/J-3/L Range proposed wells be drilled to bedrock. John Rice indicated that SE Corner of the Ranges proposed wells are already scoped to 250 feet bwt, and bedrock should be shallower than this at these ranges. This request to be discussed at Tech meeting 2/28.
- Heather Sullivan (Corps) to check on status of finger-printing results for MW-187.

Schedule and Documents

Marc Grant (AMEC) reviewed the document and schedule status. Important outstanding items were addressed as follows:

Extension Requests

Demo 1 Soil FSSR (TM 01-12) and Gun and Mortar Report (TM 01-14) – Per EPA's suggestion, letter from Guard to be drafted requesting that enforceable milestones for these reports be placed on hold pending CRM for Demo 1 Soil Report and follow through from G/M Additional Characterization Workplan, respectively.

Documents Having Comments

RRA1 Completion of Work Report – Jane Dolan to send MOR approval letter today.

MSP2 Demo 1, ASP Geophysics, Former K, Former A Letter Reports. – Comments on MOR to be provided by 2/28.
MSP2 Slit Trench Letter Report. – Revised MOR provided on 2/13. EPA to try to provide approval next week.

Documents Needing Comments

Training Areas FSP – There is an April 1 enforceable milestone to start work. This date cannot be met because comments on FSP have not been received. No indication on when to be provided by EPA
HUTA Report – EPA comments should be forwarded next week.
Lab Fate & Transport Study – EPA comments to be provided shortly, however not a critical path.
UXO Interim Screening Report – Comments from both agencies likely by 3/01.

- Mike Jasinski (EPA) requested that a list of documents with enforceable milestones for 2002 (dates to be included with list) be provided. Marc Grant to provide.

Miscellaneous

- Jane Dolan requested status update on MW-181 alpha spectroscopy analyses. Heather Sullivan to check on status.
- Jane Dolan requested status of USGS Snake Pond Report, to be added as punchlist item. Dave Hill (IAGWSPO) to check.

The EPA convened a meeting of the Impact Area Review Team on February 26, 2002. The issues discussed included: an Investigations Update, J Range Polygons Update, High Use Target Area (HUTA) II, Bourne Far Field Wells, and the Prescribed Burn Permit.

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

Punchlist Items

#2 Provide Perchlorate results for PZ208 (AMEC). Results provided earlier, non-detect at PZ208 for perchlorate. Jane Dolan (EPA) to double-check screen depths, and requested that this well be resampled at some point.
#7 Provide list of past BIP actions reportable under the MCP (AMEC). List was distributed that showed all BIP samples with Explosive or other analyte detected above RCS-1 criteria. Yellow highlighting shows samples with RCS1 exceedances for analytes other than explosives; tan highlighting shows samples with RCS1 exceedances for other analytes and explosives. Samples with RCS1 exceedances for explosives only are not highlighted. Todd Borci (EPA) requested that the table be revised to show samples that had been addressed by a removal action. He also requested that a table/list be compiled showing how many BIP craters remained to be addressed. Footnote to be added to table to explain Q_Code. Additional information to be provided by 3/21 Tech meeting.
#10 Provide list/schedule of ASR witness interviews (Corps). Schedule distributed to agencies. Witness interviews remaining were provided in a list. All interview summaries were previously distributed via email. Todd Borci to check to see if additional interviewee questions regarding BA-1 Disposal Area were emailed.
#12 Provide results for Bourne/Sandwich wells (AMEC). Results provided via email. Agenda topic.
#13 Provide date for USGS Snake Pond Letter Report submittal (IAGWSPO). Report to be submitted 3/15, potentially earlier; follow-on investigation tentatively scheduled to commence 3/19.

Munitions Survey Project Update

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

AirMag. Excavation of 17th anomaly at KD Range is being conducted today.

HUTA2. Intrusive activity was conducted for several days at Transect 4. Intrusive work to be continued at Transects 2&3 on 3/4; QA of Transect 1&5 also to be conducted the week of 3/4.

Eastern MSP. Continue grubbing of area, surface avoidance, and cataloging of surface items. EM61 to commence Saturday, 3/2.

Scar Site. Surveying is being conducted this week.

U Range. Surveying possibly to commence Friday, 3/1.

J Range Polygons. Excavation of J-1 Range Polygon 1 is completed. Approximately 1,900 items were uncovered. 125 Mortars are scheduled to be BIPed Saturday 3/2, pending approval by the Town of Sandwich. These items include:

42 81mm Mortars, Inert M374A1 with M567 Series PD Fuze
31 81mm Mortars, Potential HE M374A1 with M567 PS Fuze.
41 81mm Mortar, Potential HE M374A1 with M524 Series PD Fuze.
11 60mm Mortars, Unfuzed M302 Potential White Phosphorus (WP) Mortars.

The 114 81mm Mortars will be BIPed in a 2 ft by 30 ft long trench, 30 inches deep, located near the entrance of J-1 Range. The mortars (approximately 30 at a time) will be laid in the trench separated by sandbags. Plywood will be placed over the trench and secured with sandbags. Blast shields comprised of steel plating will be placed on the Sandwich (southeast) side of the trench. The mortars will be BIPed in 4 separate events. The 11 WP mortars will be BIPed near the 1000m Berm on J-1 Range. After Saturday, the J Range Polygon work will be postponed to focus on work in the Central Impact Area. J Range Polygon excavations to be resumed 4/08.

Follow-up Actions.

- General field work schedule (MSP and groundwater study) to be provided and discussed at 3/7 Tech meeting. Polygons should be investigated prior to J Range well installations in proximal areas. The field program could also have conflicts with Former H Range fieldwork.

Bourne Well Update

- Perchlorate was recently detected in 3 sentinel wells for the Bourne well field.
- In response to these detections, the Guard has directed AMEC to resample all Bourne sentinel wells, all Bourne production wells, and all five well screens in each of Far Field wells: MW-80, MW-81, and MW-82.
- In addition, Bourne has requested that the Guard sample 15 test wells and a spring (east of Upper Pond), which have not been previously sampled. AMEC is working on obtaining locations and depths for these wells. Bill Gallagher (IAGWSPO) to provide list of wells and all information available on the wells to Len Pinaud (MADEP). Some of the well screens are greater than 10 feet long, therefore the Guard intends to collect groundwater samples at 10 foot intervals along these well screens. All this sampling may not be completed by the end of next week.
- The Guard is developing a Response Plan to evaluate these off-base detections of perchlorate near the Bourne well field. Guard to discuss with EPA and MADEP additional well locations in after meeting today. Mobilization to begin drilling additional monitoring wells may commence as early as Monday 3/4.
- Todd Borci requested that an investigation of the on-site sources of the Perchlorate for this area also be addressed (as a second priority) in the Response Plan the Guard is developing. The Guard agreed to evaluate on-base source areas (evaluating what existing wells should be sampled or resampled for Perchlorate) to be addressed in three weeks at the 3/21 Tech meeting. The EPA agreed that after the initial evaluation and sampling for

source areas, follow-on sampling may best be addressed in the Long Term Monitoring (LTM) Plan.

- Jane Dolan requested construction details on the new production well recently installed at Range Control. This well was installed to replace the existing water supply well.

Central Impact Area Wells Update

Heather Sullivan (ACE) led the discussion on finalizing additional well locations in the Central Impact Area. Profile results and screen selection have been completed for MW-205 (CIAP-16), MW-203 (CIAP-24) and MW-202 (CIAP-15). The following agreements were reached for proposed downgradient well locations:

CIAP-23 - All parties agreed that the currently staked and ROA-approved location on Wood Road, approximately half way between 5 Corners and MW-205, should be the final drilling location. At this location, information will be used to determine if deep detections of explosives at MW-205 are separate from Central Impact Area detections to the west and may shed light on the possible origin of detections at MW-205, which current modeling indicates are too deep to have originated at the J-1 Range. The EPA maintains that at an approximate hydraulic gradient of 1feet/70feet, detections in MW-205 may have originated at the very end of the J-1 Range. Eventually, a well may also need to be scoped at a location to the east of MW-205, however this may be best addressed under the J Ranges scope of work.

CIAP-14 - All parties agreed to hold off on selecting a location for this well, pending results from other Central Impact Area wells. Alternative locations proposed include moving the location southwest between forward tracks from MW-41 (a non detect well) and MW-97 and moving the location northeast of MW-203 on the particle track from MW-204. Todd Borci requested that MW-41, which per last year's LTM Plan was sampled only in the August 2001 round, be sampled as part of the April 2002 round. AMEC to specify in 2002 LTM Plan to be submitted shortly.

CIAP-13 – All parties agreed to original proposed location for this well as downgradient of MW-178, since profile results for MW-202 showed low detections of RDX, approximately 0.3 ppb. An ROA needs to be submitted for this well location.

CIAP-25 – Remains on holding pending results from other wells.

- Heather Sullivan to append 31 January 2002 Project Note summarizing agreed locations for the Central Impact Area wells.
- Proposed wells CIAP-18, CIAP-19 and CIAP-21 are currently being drilled. Profile results for CIAP-21 may be available on 3/1, so there will likely be a screen selection call on Monday 3/4.

MW-187 Finger Printing Results

Jay Clausen (AMEC) and Herb Colby (AMEC) summarized information obtained on MW-187.

- Current particle backtracking indicates that groundwater above bedrock at MW-187 (where high concentrations of benzene, toluene, ethyl benzene, and xylene were detected) originated 1000 years ago at the top of the water table. Jay Clausen to take a second look at possible "more realistic" travel times.
- Fingerprinting results indicate that there are individual peaks in the sample chromatograph that represent BTEX fuel constituents, however the chromatograph pattern lacks a hydrocarbon "hump" around these peaks which is the typical profile seen in new or weathered fuel products.
- Heather Sullivan indicated that the Guard had agreed to advance CIAP-11, which is downgradient of MW-187, to bedrock. Scheduling for installation of CIAP-11 will be included with general fieldwork schedule discussion, next week.

- Todd Borci requested that two separate schedule paths be prepared, 1) showing postponement of HUTA work, deferred to complete wells and 2) execution of field work in current proposed sequence (i.e. HUTA completed by 4/6).

Miscellaneous

- Jane Dolan indicated that Foster Wheeler sampled the new Water Supply Wells (WS-1, WS-2, WS-3) for explosives and perchlorate analysis this week. Darrell Deleppo (ACE) to speak to Hap Gonser (JPO) about getting a copy of the analytical results.
- Todd Borci requested that the Sandwich Town Hall Spring Well be sampled for VOCs. The Guard agreed to collect this sample when samples are collected at production wells at the Sandwich Fish Hatchery (operated by the Dept. of Fish and Wildlife) for explosives, perchlorate, and VOC analysis. EPA also requested copies of the well information once AMEC obtains this information following the meeting next week with the Dept. of Fish and Wildlife.
- Mike Jasinski (EPA) indicated that the AFCEE CS-19 Draft Remedial Investigation Report will be submitted 3/15.

2. SUMMARY OF DATA RECEIVED

Validated data were received during February for Sample Delivery Groups (SDGs) CMR025, CMR027, CMR029, CMR030, DMR008, MMR651, MMR660, MMR673, MMR675, MMR678, MMR684, MMR686, MMR691, MMR692, MMR693, MMR694, MMR695, MMR696, MMR697, MMR698, MMR717, MMR726, and MMR729. These SDGs contain results for 102 groundwater samples from monitoring wells; 85 groundwater profile samples from MW-175, MW-176, MW-177, MW-178, MW-179, MW-180, MW-182, and MW-183; 2 soil boring samples from MW-179 and MW-184; 141 soil grid and 2 soil grab samples from J-1 Range, J-2 Range, L Range, Demo Area 1, Central Impact Area, GA/GB Range, Falmouth Water Tower, John's Pond, Crane Management Area 31 and #2, Mashpee High School, Deerhorn Hill, and Bourne Well Field sites; 4 surface water samples from Snake Pond; 24 crater grid samples from J-1 Range sites; 20 crater grab samples; and 1 sediment sample from MW-182.

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

There are multiple labels listed for some wells in Figures 1-8, 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 February 2002, three locations had new validated detections of explosive compounds. None of these detections exceeded MCLs/HAs. Well 58MW0007C (Central Impact Area) had a detection of RDX, MW-76M1 and M2 (Demo Area 1) had detections of MNX, and MW-84D and M1 (Bourne Far Field well) had detections of 2,4-DNT.

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

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

Exceedances of drinking water criteria were measured for 2,4,6-trinitrotoluene (TNT) at Demo Area 1 (wells 19S, 31S, 31M, and 31D), and for hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) at all of the locations listed above. One of the exceedance wells, 90WT0013, has had no detectable RDX in the last seven sample rounds (1/99 to 09/01).

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

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

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

Figure 2: Metals in Groundwater Compared to MCLs/HAs

For data validated in February 2002, there were no new detections at any locations where metals had not previously been detected.

Exceedances of drinking water criteria for metals are scattered throughout the study area. Where two or more rounds of sampling data are available, the exceedances generally have not been replicated in consecutive sampling rounds. The exceedances have been measured for antimony, arsenic, cadmium, chromium, lead, molybdenum, sodium, thallium and zinc. None of the 11 antimony exceedances were repeated in consecutive sampling rounds, and only one exceedance (well 50M1) was measured in year 2000 results. Arsenic (in well 7M1), cadmium (52M3), and chromium (7M1) each had one exceedance in a single sampling round in August-September 1999. One of three lead exceedances (ASP well) was repeated in another sampling round and neither of the other two lead exceedances (wells 2S and 7M1) was measured in year

2000 results. Thirteen of the 41 molybdenum exceedances were repeated in consecutive sampling rounds (wells 2S, 2D, 13D, 16D, 46M2, 52D, 52M3, 53M1, 53D, 54M2, 54S, 55D, and 57S). Molybdenum concentrations declined in 12 of these 13 wells. Eight molybdenum exceedances (wells 13D, 16D, 45S, 52D, 53M1, 57S, 57M2, and 81D) were observed in year 2000 results. Two molybdenum exceedances (well 16D and 52D) were observed in year 2001 results. Six of the 16 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; three wells (144S, 145S and ASP) had exceedances in the year 2001 results. Seven of the 62 thallium exceedances were repeated in consecutive sampling rounds (wells 7M1, 7M2, 47M2, 52S, 52D, 54S, and 54M1). Twenty-two wells (2D, 3D, 35S, 39M1, 45S, 46M1, 47M3, 47M2, 48M3, 48D, 49M3, 50M1, 52S, 54S, 56S, 56M3, 57M2, 58S, 64M1, 73S, 83S, and 127S) had thallium exceedances in the year 2000 results; three wells (94M2, 132S, 150S) had thallium exceedances in the year 2001 results. Zinc exceeded the HA in seven wells, all of which are constructed of galvanized (zinc-coated) steel.

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

Figure 3: VOCs in Groundwater Compared to MCLs/HAs

For data validated in February 2002, three locations had new validated detections of volatile organic compounds. None of these detections exceeded MCLs/HAs. Well 95-6ES (Northwest of Central Impact Area) had detections of benzene and chloromethane, LRMW0003 (Long-Range Monitoring well) had a detection of chloromethane, and MW-56D (Southeast Corner of the Ranges) had a detection of chloromethane.

Exceedances of drinking water criteria for VOCs are indicated in three general areas: CS-10 (wells 03MW0007A, 03MW0014A, and 03MW0020), LF-1 (well 27MW0017B), and FS-12 (wells MW-45S, 90MW0003, and ECMWSNP02D). CS-10, LF-1, and FS-12 are sites located near the southern extent of the Training Ranges that are currently under investigation by AFCEE under the Superfund program. Exceedances of drinking water criteria were measured for tetrachloroethylene (PCE) at CS-10, for vinyl chloride at LF-1, and for toluene, 1,2-dichloroethane, and ethylene dibromide (EDB) at FS-12. These compounds are believed to be associated with the sites under investigation by AFCEE. Detections of chloroform are presented separately in Figure 4. Figure 4 will be updated semiannually and included only in the January and July Monthly Progress Reports.

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 will be updated semiannually and included only in the January and July Monthly Progress Reports.

Figure 5: SVOCs in Groundwater Compared to MCLs/HAs

For data validated in February 2002, one location had a new validated detection of a semi-volatile organic compound. Well BHW215083C (Bourne landfill) had a detection of di-n-butyl phthalate, which did not exceed 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 two locations in FS-12 (wells 45S and 90MW0003) which had exceedances for naphthalene, and well 41M1 which had an estimated level of 2,6-dinitrotoluene (DNT) that is equal to the HA. Detections of BEHP are presented separately in Figure 6. Figure 6 will be updated semiannually and included only in the January and July Monthly Progress Reports.

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

Figure 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 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 three locations (out of 75) showed BEHP exceedances in consecutive sampling rounds: 28MW0106 (located near SD-5, a site under investigation by AFCEE), 58MW0006E (located at CS-19), and 90WT0013 (located at FS-12). Subsequent sampling rounds at each of these three locations have had results below the MCL. Three wells (49S, 57M2, and 84D) have had a BEHP exceedance in the year 2000 results. Eight wells (28M1, 55D, 142M1, 142M2, 146M1, 157D, 168M1, 168M2) have had a BEHP exceedance in the year 2001 results. This figure, presenting only BEHP detections will be updated semiannually and included only in the January and July Monthly Progress Reports.

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

For data validated in February 2002, there were no new detections at any locations where herbicides or pesticides had not previously been detected.

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

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

Figure 8: Perchlorate in Groundwater Compared to EPA Limit

For data validated in February 2002, there were no new detections at any locations where perchlorate had not previously been detected.

Sampling and analysis of groundwater for perchlorate was initiated at the end of the year 2000 as part of the groundwater study program at Camp Edwards. EPA established a limit for perchlorate of 1.5 parts per billion (ppb) specific to Camp Edwards. At present, there are 41 exceedances of the limit of 1.5 ppb for perchlorate.

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

- Demo Area 1 (wells 19, 31, 34, 35, 73, 75, 76, 77, 78, 114, 129, 139, 165, and 172);
- Central Impact Area (wells 7, 91, 93, 99, 100, 101, and 105);
- J Ranges and southeast of the J Ranges (wells 125, 127, 128, 130, 132, 158, and 163, 166, and wells 90MW0022 and 90MW0054); and
- Northwest of Impact Area (well 66).
- West of Impact Area (well 80)

<u>Rush (Non-Validated) Data</u>

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

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

- Groundwater samples from MW-193S (J-3 Range) had a detection of RDX that was confirmed by PDA spectra. This is the first time this well has been sampled and these first round results were consistent with the groundwater profile results.

- Groundwater samples from MW-163S (J-3 Range) had detections of RDX and HMX that were confirmed by PDA spectra. The detections were similar to previous sampling rounds.

- Groundwater samples from MW-184M1 (Central Impact Area), MW-187M1 (J-1 Range), MW-191M1, M2 (J-1 Range), and MW-197M3 (J-3 Range) had detections of RDX and HMX that were confirmed by PDA spectra. This is the first time these wells have been sampled and these first round results were consistent with the groundwater profile results.

- Groundwater samples from MW-193M1 (J-3 Range) and a duplicate, and MW-197M2 (J-3 Range) had a detection of HMX that was confirmed by PDA spectra. This is the first time these wells have been sampled and these first round results were consistent with the groundwater profile results.

- Groundwater samples from MW-187D (J-1 Range) had detections of 1,1-dichloroethane, acetone, benzene, bromomethane, chlorobenzene, chloroethane, chloromethane, ethylbenzene, 2-butanone, methylene chloride, toluene, vinyl chloride, xylenes, 2-methylnaphthalene, 4-methylphenol, acenaphthylene, di-n-butyl phthalate, fluorene, n-nitrosodiphenylamine, naphthalene, phenanthrene and phenol. This is the first time this well has been sampled.

- Groundwater samples from MW-196S (J-3 Range) had detections of 1,3,5-trinitrobenzene, TNT, 2A-DNT, 4A-DNT and HMX that were confirmed by PDA spectra. This is the first time this well has been sampled and these first round results were consistent with the groundwater profile results.

- Groundwater samples from Bourne sentry wells 97-1, 97-2, and 97-5 had detections of perchlorate. This is the first time perchlorate has been detected in these wells.

- Groundwater profile samples from MW-202 (CIAP-15) had detections of 2,4-DNT (1 interval), 2,6-DNT (1 interval), 2A-DNT (1 interval), 2-nitrotoluene (5 intervals), 4-nitrotoluene (2 intervals), nitrobenzene (2 intervals), nitroglycerin (5 intervals), PETN (1 interval), RDX (5 intervals), and picric acid (2 intervals). Two detections of RDX were confirmed by PDA spectra but with interference.

- Groundwater profile samples from MW-203 (CIAP-20) had detections of 2,6-DNT (1 interval), nitroglycerin (3 intervals), RDX (3 intervals), and picric acid (3 intervals). Two

detections of RDX were confirmed by PDA spectra. The detection of 2,6-DNT was confirmed by PDA spectra, but with interference. Two detections of nitroglycerin were not confirmed by PDA spectra, but with interference.

- Groundwater profile samples from MW-204 (CIAP-22) had detections of 2,6-DNT (2 intervals), 4-nitrotoluene (2 intervals), nitroglycerin (1 interval), PETN (1 interval), RDX (7 intervals), HMX (1 interval) and picric acid (2 intervals). Five detections of RDX and the detection of HMX were confirmed by PDA spectra. The detections of 2,6-DNT were confirmed by PDA spectra, but with interference.

- Groundwater profile samples from MW-205 (CIAP-16) had detections of 2-nitrotoluene (1 interval), nitrobenzene (1 interval), nitroglycerin (5 intervals), RDX (4 intervals), HMX (1 interval) and picric acid (8 intervals). One detection of RDX and the detection of HMX were confirmed by PDA spectra. Three detections of RDX were not confirmed by PDA spectra, but with interference.

- Groundwater profile samples from MW-208 (CIAP-21) had detections of 1,3,5-trinitrobenzene (1 interval), 1,3-dintirobenzene (1 interval), 2A-DNT (3 intervals), 4A-DNT (5 intervals), 3-nitrotoluene (1 interval), 4-nitrotoluene (2 intervals), nitrobenzene (3 intervals), nitroglycerin (13 intervals), RDX (2 intervals) and picric acid (5 intervals). The detection of 3-nitrotoluene and one detection of RDX were confirmed by PDA spectra, but with interference. One detection of RDX was not confirmed by PDA spectra, but with interference.

- Soil sample HD152AC1CAA (RRA Containment Pad) had a detection of nitroglycerin that was not confirmed by PDA spectra.

3. DELIVERABLES SUBMITTED

Deliverables submitted during the reporting period include the following:

Weekly Progress Update for January 21 – January 25, 2002	02/01/02
January 2002 Monthly Progress Report	02/08/02
Weekly Progress Update for January 28 – February 1, 2002	02/08/02
Weekly Progress Update for February 4 – February 8, 2002	02/14/02
Draft Gun and Mortar Firing Positions Additional Characterization Workplan	02/20/02
Final Field Sampling Plan for Remaining Central Impact Area Firing Positions	02/22/02
Weekly Progress Update for February 11 – February 15, 2002	02/22/02

4. SCHEDULED ACTIONS

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

- Finish Final Demo Area 1 Soil Report
- Continue Central Impact Area Draft Soil Report revision
- Continue Central Impact Area Targets Investigation (Phase 2)
- Continue HUTA 1 Draft Report revision
- Finish HUTA 2 Site #1 Draft Report
- Continue HUTA 2 Site #2 Draft Report preparation

- Start HUTA 2 Site #3 Draft Report preparation
- Start HUTA 2 Site #4 Draft Report preparation
- Start HUTA 2 Site #5 Draft Report preparation
- Finish J-2 Range Final Report
- Continue J-1/J-3/L Range Additional Delineation Draft Report preparation
- Finish J-1/J-3/L Range Final Additional Delineation Workplan #2
- Continue Phase II(b) Draft Report revision
- Continue Former A/K/Demo 2 Draft Report revision
- Continue Revised MSP Phase I Draft Report revision
- Finish AirMag Target Lists Final Report
- Finish Demo Area 1 Validation Final Report
- Finish Slit Trench Validation Final Report
- Finish ASP Geophysics Final Report
- Finish Former K Range Final Report
- Finish Former A Range Final Report
- Continue Demo Area 2 Draft Report revision
- Start MSP Phase III Central Impact Area Sites #1 and #2 Draft Report preparation
- Continue Demo Area 1 Soil Feasibility Study Screening Draft Report revision
- Finish Demo Area 1 Soil Post-Screening Investigation Final Workplan
- Continue Demo Area 1 Groundwater Feasibility Study Draft Report revision
- Continue UXO Feasibility Study Screening Draft Report revision

5. SUMMARY OF ACTIVITIES FOR DEMO 1

Additional delineation of the downgradient portion of the groundwater plume will be conducted prior to finalizing the Feasibility Study for the Groundwater Operable Unit. Proposed monitoring well locations have been scoped by the Guard and approved by the agencies for delineation of the groundwater plume. Road building for the first proposed monitoring well, D1P-9 is scheduled to be completed by March 15, 2002. Subsequent locations have been proposed and the next location will be selected and approved based on the profile results at D1P-9. Response to comments letters were submitted for the Draft Final Demo 1 Soil Report and the Post-Screening Investigation Work Plan on February 15, 2002. The Draft Memorandum of Resolution was submitted for the Draft Post-Screening Investigation Work Plan on February 27, 2002. A resolution meeting to discuss Guard responses to EPA and DEP comments on the Draft Final Demo 1 Soil Report was conducted on February 28, 2002.

TABLE 2
SAMPLING PROGRESS
2/1/2002 - 2/28/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
J1.A.T1.001.1.0	J1.T1.001.R	02/14/2002	CRATER GRID	0.25	0.50		
J1.A.T1.001.4.0	J1.T1.001.R	02/15/2002	CRATER GRID	0.25	0.50		
J1.A.T1.002.1.0	J1.T1.002.R	02/14/2002	CRATER GRID	0.25	0.50		
J1.A.T1.002.4.0	J1.T1.002.R	02/15/2002	CRATER GRID	0.25	0.50		
J1.A.T1.003.1.0	J1.T1.003.R	02/14/2002	CRATER GRID	0.25	0.50		
J1.A.T1.003.4.0	J1.T1.003.R	02/15/2002	CRATER GRID	0.25	0.50		
J1.A.T1.004.1.0	J1.T1.004.R	02/14/2002	CRATER GRID	0.00	0.25		
J1.A.T1.004.4.0	J1.T1.004.R	02/15/2002	CRATER GRID	0.00	0.25		
J1.A.T1.004.4.D	J1.T1.004.R	02/15/2002	CRATER GRID	0.00	0.25		
J1.A.T1.006.1.0	J1.T1.006.R	02/21/2002	CRATER GRID	1.75	2.00		
J1.A.T1.006.4.0	J1.T1.006.R	02/22/2002	CRATER GRID	1.75	2.00		
J1.A.T1.007.1.0	J1.T1.007.R	02/21/2002	CRATER GRID	1.50	1.75		
J1.A.T1.007.4.0	J1.T1.007.R	02/22/2002	CRATER GRID	1.50	1.75		
J1.A.T1.008.1.0	J1.T1.008.R	02/21/2002	CRATER GRID	4.00	4.25		
J1.A.T1.008.4.0	J1.T1.008.R	02/22/2002	CRATER GRID	4.00	4.25		
J1.A.T1.009.1.0	J1.T1.009.R	02/21/2002	CRATER GRID	1.00	1.25		
J1.A.T1.009.4.0	J1.T1.009.R	02/22/2002	CRATER GRID	1.00	1.25		
J1.A.T1.010.1.0	J1.T1.010.R	02/21/2002	CRATER GRID	1.50	1.75		
J1.A.T1.010.4.0	J1.T1.010.R	02/22/2002	CRATER GRID	1.50	1.75		
J1.A.T1.011.1.0	J1.T1.011.R	02/21/2002	CRATER GRID	0.00	0.25		
J1.A.T1.011.4.0	J1.T1.011.R	02/22/2002	CRATER GRID	0.00	0.25		
T3.A.0A.004.1.0	T3.0A.004.R	02/07/2002	CRATER GRID	1.00	1.25		
T3.A.0A.004.2.0	T3.0A.004.R	02/07/2002	CRATER GRID	1.00	1.25		
T3.A.0A.004.3.0	T3.0A.004.R	02/07/2002	CRATER GRID	1.00	1.25		
T3.A.0B.100.1.0	T3.0B.100.R	02/07/2002	CRATER GRID	0.08	0.33		
T3.A.0B.100.2.0	T3.0B.100.R	02/07/2002	CRATER GRID	0.08	0.33		
T3.A.0B.100.3.0	T3.0B.100.R	02/07/2002	CRATER GRID	0.08	0.33		
T3.A.0F.100.1.0	T3.0F.100.R	02/07/2002	CRATER GRID	0.08	0.33		
T3.A.0F.100.2.0	T3.0F.100.R	02/07/2002	CRATER GRID	0.08	0.33		
T3.A.0F.100.3.0	T3.0F.100.R	02/07/2002	CRATER GRID	0.08	0.33		
T3.A.0K.001.1.0	T3.0K.001.R	02/07/2002	CRATER GRID	0.17	0.42		
T3.A.0K.001.2.0	T3.0K.001.R	02/07/2002	CRATER GRID	0.17	0.42		
T3.A.0K.001.3.0	T3.0K.001.R	02/07/2002	CRATER GRID	0.17	0.42		
T3.B.0B.011.3.0	T3.0B.011.O	02/12/2002	CRATER GRID	0.00	0.25		
T3.B.0B.011.4.0	T3.0B.011.O	02/12/2002	CRATER GRID	0.50	1.00		
T4.A.0K.008.1.0	T4.0K.008.R	02/07/2002	CRATER GRID	0.50	0.75		
T4.A.0K.008.2.0	T4.0K.008.R	02/07/2002	CRATER GRID	0.50	0.75		
T4.A.0K.008.3.0	T4.0K.008.R	02/07/2002	CRATER GRID	0.50	0.75		
T4.A.0L.009.1.0	T4.0L.009.R	02/07/2002	CRATER GRID	1.50	1.75		
T4.A.0L.009.2.0	T4.0L.009.R	02/07/2002	CRATER GRID	1.50	1.75		
T4.A.0L.009.3.0	T4.0L.009.R	02/07/2002	CRATER GRID	1.50	1.75		
T4.A.0U.005.1.0	T4.0U.005.R	02/21/2002	CRATER GRID	0.25	0.50		
T4.A.0U.005.2.0	T4.0U.005.R	02/22/2002	CRATER GRID	2.00	2.25		
T4.A.0U.005.3.0	T4.0U.005.R	02/22/2002	CRATER GRID	2.00	2.25		
T4.A.0U.005.3.D	T4.0U.005.R	02/22/2002	CRATER GRID	2.00	2.25		
T4.A.0V.002.1.0	T4.0V.002.R	02/21/2002	CRATER GRID	0.50	0.75		
T4.A.0V.002.2.0	T4.0V.002.R	02/22/2002	CRATER GRID	1.75	2.00		
T4.A.0V.002.3.0	T4.0V.002.R	02/22/2002	CRATER GRID	1.75	2.00		
T4.A.0Z.003.1.0	T4.0Z.003.R	02/21/2002	CRATER GRID	0.00	0.25		

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

TABLE 2
SAMPLING PROGRESS
2/1/2002 - 2/28/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
T4.A.0Z.003.2.0	T4.0Z.003.R	02/22/2002	CRATER GRID	2.00	2.25		
T4.A.0Z.003.3.0	T4.0Z.003.R	02/22/2002	CRATER GRID	2.00	2.25		
97-2E	FIELDQC	02/27/2002	FIELDQC	0.00	0.00		
97-3E	FIELDQC	02/26/2002	FIELDQC	0.00	0.00		
97-5E	FIELDQC	02/25/2002	FIELDQC	0.00	0.00		
G202DCE	FIELDQC	02/01/2002	FIELDQC	0.00	0.00		
G202DIE	FIELDQC	02/04/2002	FIELDQC	0.00	0.00		
G202DQE	FIELDQC	02/05/2002	FIELDQC	0.00	0.00		
G203DKE	FIELDQC	02/15/2002	FIELDQC	0.00	0.00		
G204DUE	FIELDQC	02/20/2002	FIELDQC	0.00	0.00		
G205DHE	FIELDQC	02/14/2002	FIELDQC	0.00	0.00		
G207DAE	FIELDQC	02/28/2002	FIELDQC	0.00	0.00		
G208DEE	FIELDQC	02/26/2002	FIELDQC	0.00	0.00		
G208DIE	FIELDQC	02/27/2002	FIELDQC	0.00	0.00		
HC101ON1AAE	FIELDQC	02/07/2002	FIELDQC	0.00	0.00		
HC101ON2BAE	FIELDQC	02/07/2002	FIELDQC	0.00	0.00		
HC101OPA1CAE	FIELDQC	02/14/2002	FIELDQC	0.00	0.00		
HC101OSA1CAE	FIELDQC	02/12/2002	FIELDQC	0.00	0.00		
HC101OT1CAE	FIELDQC	02/05/2002	FIELDQC	0.00	0.00		
HC101OU1AAE	FIELDQC	02/01/2002	FIELDQC	0.00	0.00		
HC101OW1CAE	FIELDQC	02/04/2002	FIELDQC	0.00	0.00		
HC101OX1CAE	FIELDQC	02/06/2002	FIELDQC	0.00	0.00		
HC101OYB1CAE	FIELDQC	02/11/2002	FIELDQC	0.00	0.00		
HC101OYF1CAE	FIELDQC	02/13/2002	FIELDQC	0.00	0.00		
HC101OZ1AAE	FIELDQC	02/08/2002	FIELDQC	0.00	0.00		
HC153A1AAE	FIELDQC	02/25/2002	FIELDQC	0.00	0.00		
HC153A1AAT	FIELDQC	02/25/2002	FIELDQC	0.00	0.00		
HC153B1AAE	FIELDQC	02/26/2002	FIELDQC	0.00	0.00		
HC153B1AAT	FIELDQC	02/26/2002	FIELDQC	0.00	0.00		
HD101ON2BAE	FIELDQC	02/07/2002	FIELDQC	0.00	0.00		
HD101ON2BAT	FIELDQC	02/07/2002	FIELDQC	0.00	0.00		
HD101OW4AE	FIELDQC	02/04/2002	FIELDQC	0.00	0.00		
HD101OW4BAT	FIELDQC	02/04/2002	FIELDQC	0.00	0.00		
HDA01280201AE	FIELDQC	02/01/2002	FIELDQC	0.00	0.00		
SC20001E	FIELDQC	02/15/2002	FIELDQC	0.00	0.00		
W149SST	FIELDQC	02/22/2002	FIELDQC	0.00	0.00		
W163SST	FIELDQC	02/05/2002	FIELDQC	0.00	0.00		
W189ST	FIELDQC	02/01/2002	FIELDQC	0.00	0.00		
W193M1T	FIELDQC	02/20/2002	FIELDQC	0.00	0.00		
W193SSE	FIELDQC	02/13/2002	FIELDQC	0.00	0.00		
W193SST	FIELDQC	02/13/2002	FIELDQC	0.00	0.00		
W195SSE	FIELDQC	02/08/2002	FIELDQC	0.00	0.00		
W195SST	FIELDQC	02/08/2002	FIELDQC	0.00	0.00		
W196M1E	FIELDQC	02/07/2002	FIELDQC	0.00	0.00		
W197M1E	FIELDQC	02/14/2002	FIELDQC	0.00	0.00		
W197M1T	FIELDQC	02/14/2002	FIELDQC	0.00	0.00		
W197M1T	FIELDQC	02/15/2002	FIELDQC	0.00	0.00		
W197M2E	FIELDQC	02/11/2002	FIELDQC	0.00	0.00		
W197M2T	FIELDQC	02/11/2002	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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TABLE 2
SAMPLING PROGRESS
2/1/2002 - 2/28/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W197M3E	FIELDQC	02/12/2002	FIELDQC	0.00	0.00		
W197M3T	FIELDQC	02/12/2002	FIELDQC	0.00	0.00		
W198M2E	FIELDQC	02/19/2002	FIELDQC	0.00	0.00		
W198M2F	FIELDQC	02/19/2002	FIELDQC	0.00	0.00		
W198M2FT	FIELDQC	02/19/2002	FIELDQC	0.00	0.00		
W198M4E	FIELDQC	02/21/2002	FIELDQC	0.00	0.00		
W198M4T	FIELDQC	02/21/2002	FIELDQC	0.00	0.00		
WELLFILL021402	WELLFILL021402	02/14/2002	FILLER				
T3.B.0B.011.2.0	T3.0B.011.O	02/12/2002	GAUZE WIPE	0.00	0.00		
1CUSHINGST	1CUSHINGST	02/07/2002	GROUNDWATER	0.00	0.00		
4036000-01G	4036000-01G	02/27/2002	GROUNDWATER				
4036000-03G	4036000-03G	02/27/2002	GROUNDWATER				
4036000-03GD	4036000-03G	02/27/2002	GROUNDWATER				
4036000-04G	4036000-04G	02/27/2002	GROUNDWATER				
4036000-06G	4036000-06G	02/27/2002	GROUNDWATER				
4261020-01G	4261020-01G	02/13/2002	GROUNDWATER				
97-1	97-1	02/11/2002	GROUNDWATER	83.00	93.00	62.00	72.00
97-1	97-1	02/26/2002	GROUNDWATER	83.00	93.00	62.00	72.00
97-2	97-2	02/12/2002	GROUNDWATER	75.00	85.00	53.00	63.00
97-2	97-2	02/27/2002	GROUNDWATER	75.00	85.00	53.00	63.00
97-3	97-3	02/13/2002	GROUNDWATER	75.00	85.00	36.00	46.00
97-3	97-3	02/26/2002	GROUNDWATER	75.00	85.00	36.00	46.00
97-5	97-5	02/12/2002	GROUNDWATER	84.00	94.00	76.00	86.00
97-5	97-5	02/25/2002	GROUNDWATER	84.00	94.00	76.00	86.00
97-5D	97-5	02/12/2002	GROUNDWATER	84.00	94.00	76.00	86.00
TW00-4DBA	TW00-4DBA	02/28/2002	GROUNDWATER	72.00	90.00	42.00	60.00
W114M2A	MW-114	02/06/2002	GROUNDWATER	120.00	130.00	39.00	49.00
W114M2D	MW-114	02/06/2002	GROUNDWATER	120.00	130.00	39.00	49.00
W115M1A	MW-115	02/20/2002	GROUNDWATER	138.00	148.00	22.00	32.00
W120SSA	MW-120	02/06/2002	GROUNDWATER	103.00	113.00	0.00	10.00
W122SSA	MW-122	02/01/2002	GROUNDWATER	88.00	98.00	0.00	10.00
W130SSA	MW-130	02/06/2002	GROUNDWATER	103.00	113.00	0.00	10.00
W132SSA	MW-132	02/05/2002	GROUNDWATER	37.00	47.00	0.00	10.00
W149SSA	MW-149	02/22/2002	GROUNDWATER	105.00	115.00	4.00	14.00
W159M1A	MW-159	02/25/2002	GROUNDWATER	178.50	188.50	53.00	63.00
W159SSA	MW-159	02/22/2002	GROUNDWATER	126.00	136.00	1.00	11.00
W163SSA	MW-163	02/05/2002	GROUNDWATER	38.00	48.00	0.00	10.00
W165M1A	MW-165	02/07/2002	GROUNDWATER	184.50	194.50	106.00	116.00
W165M3A	MW-165	02/13/2002	GROUNDWATER	94.50	104.50	16.00	26.00
W172M1A	MW-172	02/08/2002	GROUNDWATER	199.00	209.00	133.00	134.00
W172M2A	MW-172	02/08/2002	GROUNDWATER	169.00	179.00	104.00	114.00
W172M3A	MW-172	02/08/2002	GROUNDWATER	109.00	119.00	44.00	54.00
W172M3D	MW-172	02/08/2002	GROUNDWATER	109.00	119.00	42.80	52.80
W180M3A	MW-180	02/05/2002	GROUNDWATER	171.00	181.00	10.30	20.30
W187DDA	MW-187	02/11/2002	GROUNDWATER	306.00	316.00	199.50	209.50
W188SSA	MW-188	02/07/2002	GROUNDWATER	109.00	119.00	0.00	10.00
W189SSA	MW-189	02/01/2002	GROUNDWATER	94.00	104.00	0.00	7.16
W193M1A	MW-193	02/20/2002	GROUNDWATER	57.00	62.00	23.80	28.80
W193M1D	MW-193	02/20/2002	GROUNDWATER	57.00	62.00	23.80	28.80

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TABLE 2
SAMPLING PROGRESS
2/1/2002 - 2/28/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W193SSA	MW-193	02/13/2002	GROUNDWATER	31.00	36.00	0.00	10.00
W194M1A	MW-194	02/13/2002	GROUNDWATER	85.00	90.00	39.10	44.10
W195SSA	MW-195	02/08/2002	GROUNDWATER	34.00	39.00	0.00	10.00
W196M1A	MW-196	02/06/2002	GROUNDWATER	45.00	50.00	12.00	17.00
W196SSA	MW-196	02/07/2002	GROUNDWATER	32.00	37.00	0.00	10.00
W197M2A	MW-197	02/11/2002	GROUNDWATER	80.00	85.00	59.30	64.30
W197M3A	MW-197	02/12/2002	GROUNDWATER	60.00	65.00	39.40	44.40
W198M2A	MW-198	02/19/2002	GROUNDWATER	120.00	125.00	98.40	103.40
W198M4A	MW-198	02/21/2002	GROUNDWATER	70.00	75.00	48.40	53.40
W200M1A	MW-200	02/21/2002	GROUNDWATER	294.00	304.00	91.30	101.30
W200M2A	MW-200	02/21/2002	GROUNDWATER	255.00	265.00	52.20	62.20
W80DDA	MW-80	02/27/2002	GROUNDWATER	158.00	168.00	114.00	124.00
W80M1A	MW-80	02/27/2002	GROUNDWATER	130.00	140.00	86.00	96.00
W80M2A	MW-80	02/28/2002	GROUNDWATER	100.00	110.00	56.00	66.00
W80M3A	MW-80	02/27/2002	GROUNDWATER	70.00	80.00	26.00	26.00
W80SSA	MW-80	02/28/2002	GROUNDWATER	43.00	53.00	0.00	10.00
W80SSD	MW-80	02/28/2002	GROUNDWATER	43.00	53.00	0.00	10.00
W81M1A	MW-81	02/28/2002	GROUNDWATER	128.00	138.00	100.00	110.00
DW020802	GAC WATER	02/08/2002	IDW	0.00	0.00		
DW021202	GAC WATER	02/11/2002	IDW	0.00	0.00		
DW021502	GAC WATER	02/15/2002	IDW	0.00	0.00		
DW022102	GAC WATER	02/21/2002	IDW	0.00	0.00		
DW022202	GAC WATER	02/22/2002	IDW	0.00	0.00		
DW022602	GAC WATER	02/26/2002	IDW	0.00	0.00		
DW022802	GAC WATER	02/28/2002	IDW	0.00	0.00		
SC19901	SOIL CUTTINGS	02/15/2002	IDW	0.00	0.00		
SC20001	SOIL CUTTINGS	02/15/2002	IDW	0.00	0.00		
SC20101	SOIL CUTTINGS	02/15/2002	IDW	0.00	0.00		
SC20201	SOIL CUTTINGS	02/15/2002	IDW	0.00	0.00		
G202DAA	MW-202	02/01/2002	PROFILE	150.00	150.00	6.00	6.00
G202DBA	MW-202	02/01/2002	PROFILE	160.00	160.00	16.00	16.00
G202DCA	MW-202	02/01/2002	PROFILE	170.00	170.00	26.00	26.00
G202DDA	MW-202	02/04/2002	PROFILE	180.00	180.00	36.00	36.00
G202DEA	MW-202	02/04/2002	PROFILE	190.00	190.00	46.00	46.00
G202DFA	MW-202	02/04/2002	PROFILE	200.00	200.00	56.00	56.00
G202DGA	MW-202	02/04/2002	PROFILE	210.00	210.00	66.00	66.00
G202DHA	MW-202	02/04/2002	PROFILE	220.00	220.00	76.00	76.00
G202DIA	MW-202	02/04/2002	PROFILE	230.00	230.00	86.00	86.00
G202DJA	MW-202	02/04/2002	PROFILE	240.00	240.00	96.00	96.00
G202DJD	MW-202	02/04/2002	PROFILE	240.00	240.00	96.00	96.00
G202DKA	MW-202	02/04/2002	PROFILE	250.00	250.00	106.00	106.00
G202DLA	MW-202	02/04/2002	PROFILE	260.00	260.00	116.00	116.00
G202DMA	MW-202	02/04/2002	PROFILE	270.00	270.00	126.00	126.00
G202DNA	MW-202	02/04/2002	PROFILE	280.00	280.00	136.00	136.00
G202DOA	MW-202	02/05/2002	PROFILE	290.00	290.00	146.00	146.00
G202DPA	MW-202	02/05/2002	PROFILE	300.00	300.00	156.00	156.00
G202DQA	MW-202	02/05/2002	PROFILE	310.00	310.00	166.00	166.00
G202DRA	MW-202	02/05/2002	PROFILE	320.00	320.00	176.00	176.00
G202DSA	MW-202	02/05/2002	PROFILE	329.00	329.00	185.00	185.00

Profiling methods include: Volatiles and Explosives
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Other Sample Types methods are variable
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TABLE 2
SAMPLING PROGRESS
2/1/2002 - 2/28/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G203DAA	MW-203	02/14/2002	PROFILE	150.00	150.00	4.00	4.00
G203DBA	MW-203	02/14/2002	PROFILE	160.00	160.00	14.00	14.00
G203DCA	MW-203	02/14/2002	PROFILE	170.00	170.00	24.00	24.00
G203DDA	MW-203	02/14/2002	PROFILE	180.00	180.00	34.00	34.00
G203DEA	MW-203	02/14/2002	PROFILE	190.00	190.00	44.00	44.00
G203DFA	MW-203	02/14/2002	PROFILE	200.00	200.00	54.00	54.00
G203DGA	MW-203	02/14/2002	PROFILE	210.00	210.00	64.00	64.00
G203DHA	MW-203	02/14/2002	PROFILE	220.00	220.00	74.00	74.00
G203DIA	MW-203	02/15/2002	PROFILE	230.00	230.00	84.00	84.00
G203DJA	MW-203	02/15/2002	PROFILE	240.00	240.00	94.00	94.00
G203DKA	MW-203	02/15/2002	PROFILE	250.00	250.00	104.00	104.00
G203DLA	MW-203	02/19/2002	PROFILE	260.00	260.00	114.00	114.00
G203DMA	MW-203	02/19/2002	PROFILE	270.00	270.00	124.00	124.00
G203DNA	MW-203	02/19/2002	PROFILE	280.00	280.00	134.00	134.00
G203DOA	MW-203	02/19/2002	PROFILE	290.00	290.00	144.00	144.00
G203DPA	MW-203	02/19/2002	PROFILE	300.00	300.00	154.00	154.00
G203DQA	MW-203	02/20/2002	PROFILE	310.00	310.00	164.00	164.00
G203DRA	MW-203	02/20/2002	PROFILE	320.00	320.00	174.00	174.00
G203DSA	MW-203	02/20/2002	PROFILE	330.00	330.00	184.00	184.00
G203DTA	MW-203	02/20/2002	PROFILE	340.00	340.00	194.00	194.00
G203DUA	MW-203	02/20/2002	PROFILE	350.00	350.00	204.00	204.00
G204DAA	MW-204	02/14/2002	PROFILE	60.00	60.00	3.70	3.70
G204DBA	MW-204	02/14/2002	PROFILE	70.00	70.00	13.70	13.70
G204DCA	MW-204	02/15/2002	PROFILE	80.00	80.00	23.70	23.70
G204DDA	MW-204	02/15/2002	PROFILE	90.00	90.00	33.70	33.70
G204DEA	MW-204	02/15/2002	PROFILE	100.00	100.00	43.70	43.70
G204DFA	MW-204	02/15/2002	PROFILE	110.00	110.00	53.70	53.70
G204DGA	MW-204	02/15/2002	PROFILE	120.00	120.00	63.70	63.70
G204DHA	MW-204	02/15/2002	PROFILE	130.00	130.00	73.70	73.70
G204DIA	MW-204	02/19/2002	PROFILE	140.00	140.00	83.70	83.70
G204DJA	MW-204	02/19/2002	PROFILE	150.00	150.00	93.70	93.70
G204DKA	MW-204	02/19/2002	PROFILE	160.00	160.00	103.70	103.70
G204DLA	MW-204	02/19/2002	PROFILE	170.00	170.00	113.70	113.70
G204DMA	MW-204	02/19/2002	PROFILE	180.00	180.00	123.70	123.70
G204DNA	MW-204	02/19/2002	PROFILE	190.00	190.00	133.70	133.70
G204DOA	MW-204	02/19/2002	PROFILE	200.00	200.00	143.70	143.70
G204DPA	MW-204	02/19/2002	PROFILE	210.00	210.00	153.70	153.70
G204DQA	MW-204	02/20/2002	PROFILE	220.00	220.00	163.70	163.70
G204DRA	MW-204	02/20/2002	PROFILE	230.00	230.00	173.70	173.70
G204DSA	MW-204	02/20/2002	PROFILE	240.00	240.00	183.70	183.70
G204DTA	MW-204	02/20/2002	PROFILE	250.00	250.00	193.70	193.70
G204DUA	MW-204	02/20/2002	PROFILE	260.00	260.00	203.70	203.70
G205DAA	MW-205	02/14/2002	PROFILE	105.00	105.00	7.20	7.20
G205DBA	MW-205	02/14/2002	PROFILE	110.00	110.00	12.20	12.20
G205DCA	MW-205	02/14/2002	PROFILE	120.00	120.00	22.20	22.20
G205DCD	MW-205	02/14/2002	PROFILE	120.00	120.00	22.20	22.20
G205DDA	MW-205	02/14/2002	PROFILE	130.00	130.00	32.20	32.20
G205DEA	MW-205	02/14/2002	PROFILE	140.00	140.00	42.20	42.20
G205DFA	MW-205	02/14/2002	PROFILE	150.00	150.00	52.20	52.20

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TABLE 2
SAMPLING PROGRESS
2/1/2002 - 2/28/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G205DGA	MW-205	02/14/2002	PROFILE	160.00	160.00	62.20	62.20
G205DHA	MW-205	02/14/2002	PROFILE	170.00	170.00	72.20	72.20
G205DIA	MW-205	02/15/2002	PROFILE	180.00	180.00	82.20	82.20
G205DJA	MW-205	02/15/2002	PROFILE	190.00	190.00	92.20	92.20
G205DKA	MW-205	02/15/2002	PROFILE	200.00	200.00	102.20	102.20
G205DLA	MW-205	02/15/2002	PROFILE	210.00	210.00	112.20	112.20
G205DMA	MW-205	02/15/2002	PROFILE	220.00	220.00	122.20	122.20
G205DNA	MW-205	02/15/2002	PROFILE	230.00	230.00	132.20	132.20
G205DOA	MW-205	02/15/2002	PROFILE	240.00	240.00	142.20	142.20
G205DPA	MW-205	02/15/2002	PROFILE	250.00	250.00	152.20	152.20
G205DQA	MW-205	02/15/2002	PROFILE	260.00	260.00	162.20	162.20
G205DRA	MW-205	02/15/2002	PROFILE	270.00	270.00	172.20	172.20
G206DAA	MW-206	02/28/2002	PROFILE	165.00	165.00	6.50	6.50
G206DBA	MW-206	02/28/2002	PROFILE	173.00	170.00	11.50	11.50
G207DAA	MW-207	02/28/2002	PROFILE	150.00	150.00	6.00	6.00
G208DAA	MW-208	02/26/2002	PROFILE	150.00	150.00	11.90	11.90
G208DBA	MW-208	02/26/2002	PROFILE	160.00	160.00	21.90	21.90
G208DCA	MW-208	02/26/2002	PROFILE	170.00	170.00	31.90	31.90
G208DDA	MW-208	02/26/2002	PROFILE	180.00	180.00	41.90	41.90
G208DEA	MW-208	02/26/2002	PROFILE	190.00	190.00	51.90	51.90
G208DFA	MW-208	02/27/2002	PROFILE	200.00	200.00	61.90	61.90
G208DGA	MW-208	02/27/2002	PROFILE	210.00	210.00	71.90	71.90
G208DHA	MW-208	02/27/2002	PROFILE	220.00	220.00	81.90	81.90
G208DIA	MW-208	02/27/2002	PROFILE	230.00	230.00	91.90	91.90
G208DJA	MW-208	02/28/2002	PROFILE	240.00	240.00	101.90	101.90
G208DKA	MW-208	02/28/2002	PROFILE	250.00	250.00	111.90	111.90
G208DLA	MW-208	02/28/2002	PROFILE	260.00	260.00	121.90	121.90
G208DLD	MW-208	02/28/2002	PROFILE	260.00	260.00	121.90	121.90
G208DMA	MW-208	02/28/2002	PROFILE	270.00	270.00	131.90	131.90
G208DNA	MW-208	02/28/2002	PROFILE	280.00	280.00	141.90	141.90
G208DOA	MW-208	02/28/2002	PROFILE	290.00	290.00	151.90	151.90
T3.B.0B.011.1.0	T3.0B.011.O	02/12/2002	SOIL BRUSHING	0.00	0.00		
HC101ODA1AAA	101OD	02/05/2002	SOIL GRID	0.00	0.25		
HC101ODA1BAA	101OD	02/05/2002	SOIL GRID	0.25	0.50		
HC101ODA1CAA	101OD	02/05/2002	SOIL GRID	0.50	1.00		
HC101OE1AAA	101OE	02/07/2002	SOIL GRID	0.00	0.25		
HC101OE1BAA	101OE	02/07/2002	SOIL GRID	0.25	0.50		
HC101OE1CAA	101OE	02/07/2002	SOIL GRID	0.50	1.00		
HC101OH1AAA	101OH	02/07/2002	SOIL GRID	0.00	0.25		
HC101OH1BAA	101OH	02/07/2002	SOIL GRID	0.25	0.50		
HC101OH1CAA	101OH	02/07/2002	SOIL GRID	0.50	1.00		
HC101OJ1AAA	101OJ	02/07/2002	SOIL GRID	0.00	0.25		
HC101OJ1BAA	101OJ	02/07/2002	SOIL GRID	0.25	0.50		
HC101OJ1CAA	101OJ	02/07/2002	SOIL GRID	0.50	1.00		
HC101ON1AAA	101ON	02/07/2002	SOIL GRID	0.00	0.25		
HC101ON1BAA	101ON	02/07/2002	SOIL GRID	0.25	0.50		
HC101ON1CAA	101ON	02/07/2002	SOIL GRID	0.50	1.00		
HC101OO1AAA	101OO	02/05/2002	SOIL GRID	0.00	0.25		
HC101OO1BAA	101OO	02/05/2002	SOIL GRID	0.25	0.50		

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SAMPLING PROGRESS
2/1/2002 - 2/28/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC101OO1CAA	101OO	02/05/2002	SOIL GRID	0.50	1.00		
HC101OP1AAA	101OP	02/06/2002	SOIL GRID	0.00	0.25		
HC101OP1BAA	101OP	02/06/2002	SOIL GRID	0.25	0.50		
HC101OP1CAA	101OP	02/06/2002	SOIL GRID	0.50	1.00		
HC101OPA1AAA	101OP	02/14/2002	SOIL GRID	0.00	0.25		
HC101OPA1BAA	101OP	02/14/2002	SOIL GRID	0.25	0.50		
HC101OPA1CAA	101OP	02/14/2002	SOIL GRID	0.50	1.00		
HC101OQ1AAA	101OQ	02/05/2002	SOIL GRID	0.00	0.25		
HC101OQ1BAA	101OQ	02/05/2002	SOIL GRID	0.25	0.50		
HC101OQ1CAA	101OQ	02/05/2002	SOIL GRID	0.50	1.00		
HC101OR1AAA	101OR	02/06/2002	SOIL GRID	0.00	0.25		
HC101OR1BAA	101OR	02/06/2002	SOIL GRID	0.25	0.50		
HC101OR1CAA	101OR	02/06/2002	SOIL GRID	0.50	1.00		
HC101OS1AAA	101OS	02/08/2002	SOIL GRID	0.00	0.25		
HC101OS1AAD	101OS	02/08/2002	SOIL GRID	0.00	0.25		
HC101OS1BAA	101OS	02/11/2002	SOIL GRID	0.25	0.50		
HC101OS1CAA	101OS	02/11/2002	SOIL GRID	0.50	1.00		
HC101OSA1AAA	101OS	02/12/2002	SOIL GRID	0.00	0.25		
HC101OSA1BAA	101OS	02/12/2002	SOIL GRID	0.25	0.50		
HC101OSA1CAA	101OS	02/12/2002	SOIL GRID	0.50	1.00		
HC101OT1AAA	101OT	02/05/2002	SOIL GRID	0.00	0.25		
HC101OT1BAA	101OT	02/05/2002	SOIL GRID	0.25	0.50		
HC101OT1CAA	101OT	02/05/2002	SOIL GRID	0.50	1.00		
HC101OU1AAA	101OU	02/01/2002	SOIL GRID	0.00	0.25		
HC101OU1BAA	101OU	02/01/2002	SOIL GRID	0.25	0.50		
HC101OU1CAA	101OU	02/01/2002	SOIL GRID	0.50	1.00		
HC101OV1AAA	101OV	02/06/2002	SOIL GRID	0.00	0.25		
HC101OV1AAD	101OV	02/06/2002	SOIL GRID	0.00	0.25		
HC101OV1BAA	101OV	02/06/2002	SOIL GRID	0.25	0.50		
HC101OV1CAA	101OV	02/06/2002	SOIL GRID	0.50	1.00		
HC101OVA1AAA	101OV	02/01/2002	SOIL GRID	0.00	0.25		
HC101OVA1BAA	101OV	02/01/2002	SOIL GRID	0.25	0.50		
HC101OVA1CAA	101OV	02/01/2002	SOIL GRID	0.50	1.00		
HC101OW1AAA	101OW	02/04/2002	SOIL GRID	0.00	0.25		
HC101OW1AAA	101OW	02/11/2002	SOIL GRID	0.00	0.25		
HC101OW1BAA	101OW	02/04/2002	SOIL GRID	0.25	0.50		
HC101OW1BAA	101OW	02/11/2002	SOIL GRID	0.25	0.50		
HC101OW1CAA	101OW	02/04/2002	SOIL GRID	0.50	1.00		
HC101OW1CAA	101OW	02/11/2002	SOIL GRID	0.50	1.00		
HC101OX1AAA	101OX	02/06/2002	SOIL GRID	0.00	0.25		
HC101OX1BAA	101OX	02/06/2002	SOIL GRID	0.25	0.50		
HC101OX1CAA	101OX	02/06/2002	SOIL GRID	0.50	1.00		
HC101OY1AAA	101OY	02/07/2002	SOIL GRID	0.00	0.25		
HC101OY1BAA	101OY	02/07/2002	SOIL GRID	0.25	0.50		
HC101OY1CAA	101OY	02/07/2002	SOIL GRID	0.50	1.00		
HC101OYA1AAA	101OY	02/12/2002	SOIL GRID	0.00	0.25		
HC101OYA1BAA	101OY	02/12/2002	SOIL GRID	0.25	0.50		
HC101OYA1CAA	101OY	02/12/2002	SOIL GRID	0.50	1.00		
HC101OYB1AAA	101OY	02/11/2002	SOIL GRID	0.00	0.25		

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TABLE 2
SAMPLING PROGRESS
2/1/2002 - 2/28/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC101OYB1BAA	101OY	02/11/2002	SOIL GRID	0.25	0.50		
HC101OYB1CAA	101OY	02/11/2002	SOIL GRID	0.50	1.00		
HC101OYB1CAD	101OY	02/11/2002	SOIL GRID	0.50	1.00		
HC101OYC1AAA	101OY	02/12/2002	SOIL GRID	0.00	0.25		
HC101OYC1BAA	101OY	02/12/2002	SOIL GRID	0.25	0.50		
HC101OYC1CAA	101OY	02/12/2002	SOIL GRID	0.50	1.00		
HC101OYD1AAA	101OY	02/12/2002	SOIL GRID	0.00	0.25		
HC101OYD1BAA	101OY	02/12/2002	SOIL GRID	0.25	0.50		
HC101OYD1CAA	101OY	02/12/2002	SOIL GRID	0.50	1.00		
HC101OYE1AAA	101OY	02/13/2002	SOIL GRID	0.00	0.25		
HC101OYE1BAA	101OY	02/13/2002	SOIL GRID	0.25	0.50		
HC101OYE1CAA	101OY	02/13/2002	SOIL GRID	0.50	1.00		
HC101OYF1AAA	101OY	02/13/2002	SOIL GRID	0.00	0.25		
HC101OYF1BAA	101OY	02/13/2002	SOIL GRID	0.25	0.50		
HC101OYF1CAA	101OY	02/13/2002	SOIL GRID	0.50	1.00		
HC101OYG1AAA	101OY	02/13/2002	SOIL GRID	0.00	0.25		
HC101OYG1BAA	101OY	02/13/2002	SOIL GRID	0.25	0.50		
HC101OYG1CAA	101OY	02/13/2002	SOIL GRID	0.50	1.00		
HC101OZ1AAA	101OZ	02/08/2002	SOIL GRID	0.00	0.25		
HC101OZ1BAA	101OZ	02/08/2002	SOIL GRID	0.25	0.50		
HC101OZ1CAA	101OZ	02/08/2002	SOIL GRID	0.50	1.00		
HC153A1AAA	153A1	02/25/2002	SOIL GRID	0.00	0.25		
HC153A1BAA	153A1	02/25/2002	SOIL GRID	0.25	0.50		
HC153A1CAA	153A1	02/26/2002	SOIL GRID	0.50	1.00		
HC153B1AAA	153B1	02/26/2002	SOIL GRID	0.00	0.25		
HC153B1BAA	153B1	02/26/2002	SOIL GRID	0.25	0.50		
HC153B1CAA	153B1	02/26/2002	SOIL GRID	0.50	1.00		
HCA02040201AA	A02040201	02/08/2002	SOIL GRID	0.00	0.25		
HCA02200201AA	A02200201	02/25/2002	SOIL GRID	0.00	0.25		
HD101ON2BAA	101ON	02/07/2002	SOIL GRID	0.25	0.50		
HD101OW4BAA	101OW	02/04/2002	SOIL GRID	0.25	0.50		
HD152AA1AAA	152AA	02/08/2002	SOIL GRID	0.00	0.25		
HD152AA1CAA	152AA	02/08/2002	SOIL GRID	0.50	1.00		
HD152AA1DAA	152AA	02/08/2002	SOIL GRID	1.00	1.50		
HD152AB1AAA	152AB	02/08/2002	SOIL GRID	0.00	0.25		
HD152AB1CAA	152AB	02/08/2002	SOIL GRID	0.50	1.00		
HD152AB1DAA	152AB	02/08/2002	SOIL GRID	1.00	1.50		
HD152AC1AAA	152AC	02/08/2002	SOIL GRID	0.00	0.25		
HD152AC1CAA	152AC	02/08/2002	SOIL GRID	0.50	1.00		
HD152AC1DAA	152AC	02/08/2002	SOIL GRID	1.00	1.50		
HD152AD1AAA	152AD	02/08/2002	SOIL GRID	0.00	0.25		
HD152AD1CAA	152AD	02/08/2002	SOIL GRID	0.50	1.00		
HD152AD1DAA	152AD	02/08/2002	SOIL GRID	1.00	1.50		
HD153A1AAA	153A1	02/25/2002	SOIL GRID	0.00	0.25		
HD153A1BAA	153A1	02/25/2002	SOIL GRID	0.25	0.50		
HD153A1CAA	153A1	02/26/2002	SOIL GRID	0.50	1.00		
HD153A3AAA	153A3	02/25/2002	SOIL GRID	0.00	0.25		
HD153A3BAA	153A3	02/25/2002	SOIL GRID	0.25	0.50		
HD153A3CAA	153A3	02/26/2002	SOIL GRID	0.50	1.00		

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
2/1/2002 - 2/28/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD153A5AAA	153A5	02/25/2002	SOIL GRID	0.00	0.25		
HD153A5BAA	153A5	02/25/2002	SOIL GRID	0.25	0.50		
HD153A5CAA	153A5	02/26/2002	SOIL GRID	0.50	1.00		
HD153A7AAA	153A7	02/25/2002	SOIL GRID	0.00	0.25		
HD153A7BAA	153A7	02/25/2002	SOIL GRID	0.25	0.50		
HD153A7CAA	153A7	02/26/2002	SOIL GRID	0.50	1.00		
HD153B1AAA	153B1	02/26/2002	SOIL GRID	0.00	0.25		
HD153B1BAA	153B1	02/26/2002	SOIL GRID	0.25	0.50		
HD153B1CAA	153B1	02/26/2002	SOIL GRID	0.50	1.00		
HD153B3AAA	153B3	02/26/2002	SOIL GRID	0.00	0.25		
HD153B3BAA	153B3	02/26/2002	SOIL GRID	0.25	0.50		
HD153B3CAA	153B3	02/26/2002	SOIL GRID	0.50	1.00		
HD153B5AAA	153B5	02/26/2002	SOIL GRID	0.00	0.25		
HD153B5BAA	153B5	02/26/2002	SOIL GRID	0.25	0.50		
HD153B5CAA	153B5	02/26/2002	SOIL GRID	0.50	1.00		
HD153B7AAA	153B7	02/26/2002	SOIL GRID	0.00	0.25		
HD153B7BAA	153B7	02/26/2002	SOIL GRID	0.25	0.50		
HD153B7CAA	153B7	02/26/2002	SOIL GRID	0.50	1.00		
HDA01280201AA	A01280201	02/01/2002	SOIL GRID	0.00	0.25		
HDA02040201AA	A02040201	02/08/2002	SOIL GRID	0.00	0.25		
HDA02200201AA	A02200201	02/25/2002	SOIL GRID	0.00	0.25		
HDJ2155MM02PE1	J2155MM02PE	02/04/2002	SOIL GRID	0.00	0.25		
HDJ2155MM02PE2	J2155MM02PE	02/04/2002	SOIL GRID	0.00	0.25		
HDJ2155MM02PE3	J2155MM02PE	02/04/2002	SOIL GRID	0.00	0.25		
HDJ2155MM02PE3	J2155MM02PE	02/04/2002	SOIL GRID	0.00	0.25		
HDJ2200590RPE1	J2200590RPE	02/04/2002	SOIL GRID	0.00	0.25		
HDJ2200590RPE2	J2200590RPE	02/04/2002	SOIL GRID	0.00	0.25		
HDJ2200590RPE3	J2200590RPE	02/04/2002	SOIL GRID	0.00	0.25		
HDJ2200595RPE1	J2200595RPE	02/04/2002	SOIL GRID	0.00	0.25		
HDJ2200595RPE2	J2200595RPE	02/04/2002	SOIL GRID	0.00	0.25		
HDJ2200595RPE3	J2200595RPE	02/04/2002	SOIL GRID	0.00	0.25		
HDJ2200600RPE1	J2200600RPE	02/04/2002	SOIL GRID	0.00	0.25		
HDJ2200600RPE2	J2200600RPE	02/04/2002	SOIL GRID	0.00	0.25		
HDJ2200600RPE3	J2200600RPE	02/04/2002	SOIL GRID	0.00	0.25		
HDJ281MM08PE1	J281MM08PE	02/04/2002	SOIL GRID	0.00	0.25		
HDJ281MM08PE2	J281MM08PE	02/04/2002	SOIL GRID	0.00	0.25		
HDJ281MM08PE3	J281MM08PE	02/04/2002	SOIL GRID	0.00	0.25		
HDJ281MM21PE1	J281MM21PE	02/04/2002	SOIL GRID	0.00	0.25		
HDJ281MM21PE2	J281MM21PE	02/04/2002	SOIL GRID	0.00	0.25		
HDJ281MM21PE3	J281MM21PE	02/04/2002	SOIL GRID	0.00	0.25		
HDJ281MMPE1	J281MMPE	02/04/2002	SOIL GRID	0.00	0.25		
HDJ281MMPE2	J281MMPE	02/04/2002	SOIL GRID	0.00	0.25		
HDJ281MMPE3	J281MMPE	02/04/2002	SOIL GRID	0.00	0.25		
HDJ2M7LAWEPE1	J2M7LAWEPE	02/04/2002	SOIL GRID	0.00	0.25		
HDJ2M7LAWEPE2	J2M7LAWEPE	02/04/2002	SOIL GRID	0.00	0.25		
HDJ2M7LAWEPE3	J2M7LAWEPE	02/04/2002	SOIL GRID	0.00	0.25		
J1.F.T1.001.1.0	J1.T1.001.O	02/13/2002	SOIL GRID	0.00	5.83		
J1.F.T1.001.2.0	J1.T1.001.O	02/13/2002	SOIL GRID	6.75	7.00		
J1.F.T1.001.3.0	J1.T1.001.O	02/13/2002	SOIL GRID	3.00	5.00		

Profiling methods include: Volatiles and Explosives
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Other Sample Types methods are variable
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BWTS = Depth below water table, start depth, measured in feet
BWTE = Depth below water table, end depth, measured in feet

TABLE 2
SAMPLING PROGRESS
2/1/2002 - 2/28/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
J1.F.T1.BP1.1.0	J1.T1.BP1.O	02/27/2002	SOIL GRID	0.00	6.00		
J1.F.T1.BP1.2.0	J1.T1.BP1.O	02/27/2002	SOIL GRID	6.00	6.25		
J1.F.T1.BP1.3.0	J1.T1.BP1.O	02/27/2002	SOIL GRID	2.00	2.25		
J1.F.T1.MT1.1.0	J1.T1.MT1.O	02/25/2002	SOIL GRID	0.00	7.25		
J1.F.T1.MT1.1.D	J1.T1.MT1.O	02/25/2002	SOIL GRID	0.00	7.25		
J1.F.T1.MT1.2.0	J1.T1.MT1.O	02/25/2002	SOIL GRID	7.00	7.25		

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

TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH FEBRUARY 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 (ETHY	110.00		NG/L	79.90	84.90	50.00	X
MW-41	W41M1A	05/18/2000	8151	PENTACHLOROPHENOL	1.80	J	UG/L	108.00	118.00	1.00	X
58MW0009E	WC9EXA	10/02/1997	8330	HEXAHYDRO-1,3,5-TRINITRO	7.70		UG/L	6.50	11.50	2.00	X
MW-1	W01SSA	09/30/1997	8330	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	0.00	10.00	2.00	X
MW-1	W01SSD	09/30/1997	8330	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	0.00	10.00	2.00	X
MW-1	W01MMA	09/29/1997	8330	HEXAHYDRO-1,3,5-TRINITRO	4.60		UG/L	44.00	49.00	2.00	X
MW-25	W25SSA	10/16/1997	8330	HEXAHYDRO-1,3,5-TRINITRO	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-31	W31SSA	05/15/2000	8330N	2,4,6-TRINITROTOLUENE	3.30		UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	08/09/2000	8330N	2,4,6-TRINITROTOLUENE	3.90	J	UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	12/08/2000	8330N	2,4,6-TRINITROTOLUENE	5.20	J	UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	05/02/2001	8330N	2,4,6-TRINITROTOLUENE	5.20		UG/L	13.00	18.00	2.00	X
MW-31	W31MMA	05/23/2001	8330N	2,4,6-TRINITROTOLUENE	5.20		UG/L	28.00	38.00	2.00	X
MW-31	W31DDA	08/09/2000	8330N	2,4,6-TRINITROTOLUENE	3.90	J	UG/L	48.00	53.00	2.00	X
58MW0001	58MW0001	05/29/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.80		UG/L	3.60	8.60	2.00	X
58MW0002	WC2XXA	02/26/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	19.00		UG/L	4.00	9.00	2.00	X
58MW0002	WC2XXA	01/14/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	20.00		UG/L	4.00	9.00	2.00	X
58MW0002	WC2XXA	10/08/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.80		UG/L	4.00	9.00	2.00	X
58MW0002	58MW0002	05/23/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	13.00		UG/L	4.00	9.00	2.00	X
58MW0002	58MW0002	09/19/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	15.00		UG/L	4.00	9.00	2.00	X
58MW0009E	WC9EXA	01/26/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	17.00		UG/L	6.50	11.50	2.00	X
58MW0009E	WC9EXA	09/28/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	18.00		UG/L	6.50	11.50	2.00	X
58MW0009E	WC9EXD	09/28/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	18.00		UG/L	6.50	11.50	2.00	X
58MW0009E	58MW0009E	05/23/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.40		UG/L	6.50	11.50	2.00	X
58MW0011D	58MW0011D	05/24/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.30		UG/L	49.50	54.50	2.00	X
90MW0022	WF22XA	01/26/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.80		UG/L	72.79	77.79	2.00	X
90MW0022	WF22XA	02/16/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.40		UG/L	72.79	77.79	2.00	X

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

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
90MW0022	WF22XA	09/30/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.20		UG/L	72.79	77.79	2.00	X
90WT0013	WF13XA	01/16/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.20	J	UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	02/22/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.80		UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	09/07/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	05/31/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.10	J	UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	07/31/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.80	J	UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	11/18/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.20		UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	12/12/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.10	J	UG/L	0.00	10.00	2.00	X
MW-1	W01SSD	12/12/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.40		UG/L	0.00	10.00	2.00	X
MW-1	W01M2A	03/01/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20		UG/L	44.00	49.00	2.00	X
MW-1	W01M2A	05/10/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.90		UG/L	44.00	49.00	2.00	X
MW-1	W01M2A	07/31/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.40	J	UG/L	44.00	49.00	2.00	X
MW-1	W01M2A	11/18/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.10		UG/L	44.00	49.00	2.00	X
MW-1	W01M2D	11/18/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.00		UG/L	44.00	49.00	2.00	X
MW-1	W01M2A	05/01/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.80		UG/L	44.00	49.00	2.00	X
MW-100	W100M1A	06/06/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.30		UG/L	45.00	55.00	2.00	X
MW-100	W100M1D	06/06/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.30		UG/L	45.00	55.00	2.00	X
MW-100	W100M1A	10/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.90		UG/L	45.00	55.00	2.00	X
MW-100	W100M1A	01/27/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.90		UG/L	45.00	55.00	2.00	X
MW-101	W101M1A	06/06/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	27.00	37.00	2.00	X
MW-105	W105M1A	06/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.90		UG/L	78.00	88.00	2.00	X
MW-105	W105M1A	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.90		UG/L	78.00	88.00	2.00	X
MW-105	W105M1A	01/27/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.30		UG/L	78.00	88.00	2.00	X
MW-107	W107M2A	06/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.00		UG/L	5.00	15.00	2.00	X
MW-107	W107M2A	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.10		UG/L	5.00	15.00	2.00	X
MW-111	W111M3A	10/10/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20		UG/L	33.00	43.00	2.00	X
MW-113	W113M2A	09/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	9.20		UG/L	48.00	58.00	2.00	X
MW-113	W113M2A	01/15/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	11.00		UG/L	48.00	58.00	2.00	X
MW-113	W113M2A	04/30/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	15.00		UG/L	48.00	58.00	2.00	X
MW-114	W114M2A	10/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	140.00		UG/L	39.00	49.00	2.00	X
MW-114	W114M2D	10/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	140.00		UG/L	39.00	49.00	2.00	X
MW-114	W114M2A	03/14/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	120.00	J	UG/L	39.00	49.00	2.00	X
MW-114	W114M2A	06/19/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	140.00		UG/L	39.00	49.00	2.00	X
MW-114	W114M1A	03/14/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.00	J	UG/L	96.00	106.00	2.00	X
MW-132	W132SSA	11/09/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50	J	UG/L	0.00	10.00	2.00	X

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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 FEBRUARY 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-132	W132SSA	02/16/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.40	J	UG/L	0.00	10.00	2.00	X
MW-147	W147M2A	02/23/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.00		UG/L	77.00	87.00	2.00	X
MW-147	W147M1A	02/23/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.70		UG/L	94.00	104.00	2.00	X
MW-147	W147M1A	06/19/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20		UG/L	94.00	104.00	2.00	X
MW-153	W153M1A	03/23/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	9.20		UG/L	108.00	118.00	2.00	X
MW-153	W153M1A	07/24/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.80		UG/L	108.00	118.00	2.00	X
MW-163	W163SSA	06/14/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.70		UG/L	0.00	10.00	2.00	X
MW-164	W164M2A	05/25/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	12.00		UG/L	119.00	129.00	2.00	X
MW-164	W164M2A	08/21/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.00		UG/L	119.00	129.00	2.00	X
MW-165	W165M2A	05/08/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	60.00		UG/L	46.00	56.00	2.00	X
MW-165	W165M2A	08/16/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	50.00		UG/L	46.00	56.00	2.00	X
MW-166	W166M3A	06/01/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.30		UG/L	19.00	29.00	2.00	X
MW-166	W166M1A	05/31/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.70		UG/L	112.00	117.00	2.00	X
MW-171	W171M2A	05/31/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	79.50	84.50	2.00	X
MW-19	W19SSA	03/05/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	190.00		UG/L	0.00	10.00	2.00	X
MW-19	W19S2A	07/20/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	260.00		UG/L	0.00	10.00	2.00	X
MW-19	W19S2D	07/20/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	260.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	02/12/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	250.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	09/10/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	240.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	05/12/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	150.00	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	05/23/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	160.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	08/08/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	290.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	12/08/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	200.00		UG/L	0.00	10.00	2.00	X
MW-2	W02M2A	01/20/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	13.00		UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	02/03/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.80		UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	09/03/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.80		UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	05/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.30	J	UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	08/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	11/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	05/03/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.10		UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	08/21/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.50		UG/L	33.00	38.00	2.00	X
MW-2	W02M1A	08/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	75.00	80.00	2.00	X
MW-23	W23M1A	11/07/1997	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.30	J	UG/L	103.00	113.00	2.00	X
MW-23	W23M1A	03/18/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.40		UG/L	103.00	113.00	2.00	X
MW-23	W23M1D	03/18/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.70		UG/L	103.00	113.00	2.00	X

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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 FEBRUARY 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-23	W23M1A	09/13/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.10		UG/L	103.00	113.00	2.00	X
MW-23	W23M1A	05/12/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.60	J	UG/L	103.00	113.00	2.00	X
MW-23	W23M1A	08/08/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.30		UG/L	103.00	113.00	2.00	X
MW-23	W23M1A	12/04/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.00		UG/L	103.00	113.00	2.00	X
MW-23	W23M1D	12/04/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.20		UG/L	103.00	113.00	2.00	X
MW-23	W23M1A	04/27/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.90		UG/L	103.00	113.00	2.00	X
MW-25	W25SSA	03/17/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	0.00	10.00	2.00	X
MW-31	W31SSA	07/15/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	64.00		UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	02/01/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	210.00		UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	09/15/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	50.00		UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	05/15/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	110.00		UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	08/09/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	140.00		UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	12/08/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	120.00		UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	05/02/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	81.00		UG/L	13.00	18.00	2.00	X
MW-31	W31MMA	07/15/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	280.00		UG/L	28.00	38.00	2.00	X
MW-31	W31MMA	02/02/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	370.00		UG/L	28.00	38.00	2.00	X
MW-31	W31MMA	09/15/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	28.00	38.00	2.00	X
MW-31	W31M1A	05/15/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	19.00		UG/L	28.00	38.00	2.00	X
MW-31	W31M1A	08/09/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	14.00		UG/L	28.00	38.00	2.00	X
MW-31	W31MMA	05/23/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	70.00		UG/L	28.00	38.00	2.00	X
MW-31	W31DDA	08/09/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	150.00		UG/L	48.00	53.00	2.00	X
MW-34	W34M2A	02/19/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.20		UG/L	53.00	63.00	2.00	X
MW-34	W34M2A	05/18/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.70		UG/L	53.00	63.00	2.00	X
MW-34	W34M2A	08/10/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.10		UG/L	53.00	63.00	2.00	X
MW-34	W34M2A	11/17/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	53.00	63.00	2.00	X
MW-34	W34M1A	05/17/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20		UG/L	73.00	83.00	2.00	X
MW-34	W34M1A	08/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.00		UG/L	73.00	83.00	2.00	X
MW-34	W34M1A	11/17/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.50		UG/L	73.00	83.00	2.00	X
MW-37	W37M2A	09/29/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.90		UG/L	26.00	36.00	2.00	X
MW-37	W37M2A	12/29/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.60		UG/L	26.00	36.00	2.00	X
MW-37	W37M2A	03/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.10		UG/L	26.00	36.00	2.00	X
MW-37	W37M2A	08/31/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.80	J	UG/L	26.00	36.00	2.00	X
MW-37	W37M2A	11/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	26.00	36.00	2.00	X
MW-37	W37M2D	11/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	26.00	36.00	2.00	X
MW-38	W38M3A	05/06/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	52.00	62.00	2.00	X

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-38	W38M3A	08/18/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.60		UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	11/10/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.00		UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	05/16/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.90	J	UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	08/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.60		UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	11/20/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	04/30/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.30	J	UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	08/14/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.00		UG/L	52.00	62.00	2.00	X
MW-40	W40M1A	09/21/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.80		UG/L	13.00	23.00	2.00	X
MW-40	W40M1D	09/21/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.60		UG/L	13.00	23.00	2.00	X
MW-40	W40M1A	12/30/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.00	J	UG/L	13.00	23.00	2.00	X
MW-40	W40M1A	04/14/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.00	J	UG/L	13.00	23.00	2.00	X
MW-40	W40M1A	09/01/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40	J	UG/L	13.00	23.00	2.00	X
MW-40	W40M1A	11/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	13.00	23.00	2.00	X
MW-40	W40M1A	06/02/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.10		UG/L	13.00	23.00	2.00	X
MW-40	W40M1A	08/16/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.90		UG/L	13.00	23.00	2.00	X
MW-58	W58SSA	11/23/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.70	J	UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	02/15/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.00		UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	05/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.40	J	UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	09/05/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.10		UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	12/20/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.10		UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	06/14/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.30		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	07/09/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	50.00	J	UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	09/16/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	63.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	11/02/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	57.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	06/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	44.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	09/05/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	11/14/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	28.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSD	11/14/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	06/14/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	22.00		UG/L	0.00	10.00	2.00	X
MW-76	W76SSA	01/20/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	11.00		UG/L	18.00	28.00	2.00	X
MW-76	W76SSA	05/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.50	J	UG/L	18.00	28.00	2.00	X
MW-76	W76SSA	08/01/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	18.00	28.00	2.00	X
MW-76	W76SSA	05/07/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.10		UG/L	18.00	28.00	2.00	X
MW-76	W76M2A	01/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	31.00		UG/L	38.00	48.00	2.00	X
MW-76	W76M2D	01/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	38.00	48.00	2.00	X

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-76	W76M2A	05/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	37.00	J	UG/L	38.00	48.00	2.00	X
MW-76	W76M2A	08/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	31.00		UG/L	38.00	48.00	2.00	X
MW-76	W76M2A	12/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	46.00		UG/L	38.00	48.00	2.00	X
MW-76	W76M2A	05/07/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	56.00		UG/L	38.00	48.00	2.00	X
MW-76	W76M1A	12/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.30		UG/L	58.00	68.00	2.00	X
MW-76	W76M1A	05/07/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	28.00		UG/L	58.00	68.00	2.00	X
MW-77	W77M2A	01/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	150.00		UG/L	38.00	48.00	2.00	X
MW-77	W77M2A	05/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	100.00	J	UG/L	38.00	48.00	2.00	X
MW-77	W77M2A	08/01/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	97.00	J	UG/L	38.00	48.00	2.00	X
MW-77	W77M2A	12/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	93.00		UG/L	38.00	48.00	2.00	X
MW-77	W77M2A	05/10/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	39.00		UG/L	38.00	48.00	2.00	X
MW-85	W85M1A	05/22/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	22.00	32.00	2.00	X
MW-85	W85M1A	02/10/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	24.00		UG/L	22.00	32.00	2.00	X
MW-85	W85M1A	06/16/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	27.00		UG/L	22.00	32.00	2.00	X
MW-86	W86SSA	04/28/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50	J	UG/L	1.00	11.00	2.00	X
MW-87	W87M1A	04/28/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.50	J	UG/L	62.00	72.00	2.00	X
MW-87	W87M1A	09/14/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.00		UG/L	62.00	72.00	2.00	X
MW-87	W87M1A	01/10/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.60		UG/L	62.00	72.00	2.00	X
MW-88	W88M2A	05/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.00		UG/L	72.00	82.00	2.00	X
MW-88	W88M2A	09/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.70		UG/L	72.00	82.00	2.00	X
MW-88	W88M2A	01/10/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.80		UG/L	72.00	82.00	2.00	X
MW-89	W89M2A	05/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.30		UG/L	72.00	82.00	2.00	X
MW-89	W89M2A	09/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.30		UG/L	72.00	82.00	2.00	X
MW-89	W89M2A	01/11/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.50		UG/L	72.00	82.00	2.00	X
MW-90	W90SSA	05/19/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.40	J	UG/L	0.00	10.00	2.00	X
MW-90	W90M1A	10/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	27.00	37.00	2.00	X
MW-91	W91SSA	05/19/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	12.00		UG/L	0.00	10.00	2.00	X
MW-91	W91SSA	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	13.00		UG/L	0.00	10.00	2.00	X
MW-91	W91SSA	01/20/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	12.00		UG/L	0.00	10.00	2.00	X
MW-91	W91M1A	05/22/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	18.00		UG/L	45.00	55.00	2.00	X
MW-91	W91M1A	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	11.00		UG/L	45.00	55.00	2.00	X
MW-91	W91M1D	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	11.00		UG/L	45.00	55.00	2.00	X
MW-91	W91M1A	01/20/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	12.00		UG/L	45.00	55.00	2.00	X
MW-93	W93M2A	05/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.20		UG/L	16.00	26.00	2.00	X
MW-93	W93M2A	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.20		UG/L	16.00	26.00	2.00	X

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-93	W93M2A	01/20/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10	J	UG/L	16.00	26.00	2.00	X
MW-93	W93M1A	05/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20	J	UG/L	56.00	66.00	2.00	X
MW-93	W93M1A	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	56.00	66.00	2.00	X
MW-93	W93M1A	01/22/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40	J	UG/L	56.00	66.00	2.00	X
MW-93	W93M1D	01/22/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	56.00	66.00	2.00	X
MW-95	W95M1A	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20		UG/L	78.00	88.00	2.00	X
MW-98	W98M1A	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.10		UG/L	26.00	36.00	2.00	X
MW-99	W99M1A	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.90		UG/L	60.00	70.00	2.00	X
MW-99	W99M1D	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.90		UG/L	60.00	70.00	2.00	X
MW-99	W99M1A	09/29/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.00		UG/L	60.00	70.00	2.00	X
MW-99	W99M1A	01/13/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.20		UG/L	60.00	70.00	2.00	X
MW-31	W31SSA	08/24/2001	8330NX	2,4,6-TRINITROTOLUENE	5.40		UG/L	13.00	18.00	2.00	X
MW-1	W01SSA	08/16/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO	4.30		UG/L	0.00	10.00	2.00	X
MW-1	W01M2A	08/15/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO	11.00		UG/L	44.00	49.00	2.00	X
MW-19	W19SSA	06/18/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO	200.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	06/18/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO	210.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	08/24/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO	120.00		UG/L	0.00	10.00	2.00	X
MW-23	W23M1A	07/30/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO	5.30		UG/L	103.00	113.00	2.00	X
MW-31	W31SSA	08/24/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO	88.00		UG/L	13.00	18.00	2.00	X
MW-76	W76SSA	08/10/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO	4.50		UG/L	18.00	28.00	2.00	X
MW-76	W76M2A	08/13/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO	51.00		UG/L	38.00	48.00	2.00	X
MW-76	W76M2D	08/13/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO	48.00		UG/L	38.00	48.00	2.00	X
MW-76	W76M1A	08/13/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO	90.00		UG/L	58.00	68.00	2.00	X
MW-77	W77M2A	08/10/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	38.00	48.00	2.00	X
ASPWELL	ASPWELL	07/20/1999	E200.8	LEAD	53.00		UG/L	0.00	0.00	15.00	X
90MW0022	90MW0022	05/19/2001	E314.0	PERCHLORATE	2.00	J	UG/L	72.79	77.79	1.50	X
90MW0022	90MW0022	09/05/2001	E314.0	PERCHLORATE	2.00	J	UG/L	72.79	77.79	1.50	X
90MW0054	90MW0054AA	01/30/2001	E314.0	PERCHLORATE	9.00		UG/L	91.83	96.83	1.50	X
90MW0054	90MW0054AD	01/30/2001	E314.0	PERCHLORATE	10.00		UG/L	91.83	96.83	1.50	X
90MW0054	90MW0054	10/24/2001	E314.0	PERCHLORATE	27.80		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

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
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	W114M1A	12/28/2000	E314.0	PERCHLORATE	11.00		UG/L	96.00	106.00	1.50	X
MW-114	W114M1A	03/14/2001	E314.0	PERCHLORATE	13.00		UG/L	96.00	106.00	1.50	X
MW-114	W114M1A	06/18/2001	E314.0	PERCHLORATE	10.00		UG/L	96.00	106.00	1.50	X
MW-125	W125M1A	02/20/2001	E314.0	PERCHLORATE	3.00	J	UG/L	182.00	192.00	1.50	X
MW-127	W127SSA	02/14/2001	E314.0	PERCHLORATE	4.00	J	UG/L	0.00	10.00	1.50	X
MW-128	W128SSA	02/14/2001	E314.0	PERCHLORATE	3.00	J	UG/L	0.00	10.00	1.50	X
MW-129	W129M2A	03/14/2001	E314.0	PERCHLORATE	6.00		UG/L	46.00	56.00	1.50	X
MW-129	W129M2A	06/20/2001	E314.0	PERCHLORATE	8.00		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-130	W130SSA	02/14/2001	E314.0	PERCHLORATE	3.00	J	UG/L	0.00	10.00	1.50	X
MW-130	W130SSA	06/14/2001	E314.0	PERCHLORATE	3.00	J	UG/L	0.00	10.00	1.50	X
MW-130	W130SSD	06/14/2001	E314.0	PERCHLORATE	3.00	J	UG/L	0.00	10.00	1.50	X
MW-132	W132SSA	11/09/2000	E314.0	PERCHLORATE	39.00	J	UG/L	0.00	10.00	1.50	X
MW-132	W132SSA	02/16/2001	E314.0	PERCHLORATE	65.00		UG/L	0.00	10.00	1.50	X
MW-132	W132SSA	06/15/2001	E314.0	PERCHLORATE	75.00		UG/L	0.00	10.00	1.50	X
MW-132	W132SSA	12/12/2001	E314.0	PERCHLORATE	27.40		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-158	W158SSA	06/12/2001	E314.0	PERCHLORATE	2.00	J	UG/L	2.00	12.00	1.50	X
MW-163	W163SSA	06/14/2001	E314.0	PERCHLORATE	67.00		UG/L	0.00	10.00	1.50	X
MW-163	W163SSA	10/10/2001	E314.0	PERCHLORATE	39.60		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-166	W166M3A	10/04/2001	E314.0	PERCHLORATE	1.50	J	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-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

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-19	W19SSA	08/24/2001	E314.0	PERCHLORATE	8.49		UG/L	0.00	10.00	1.50	X
MW-31	W31SSA	08/09/2000	E314.0	PERCHLORATE	40.00	J	UG/L	13.00	18.00	1.50	X
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	W31M1A	08/09/2000	E314.0	PERCHLORATE	50.00	J	UG/L	28.00	38.00	1.50	X
MW-31	W31MMA	05/23/2001	E314.0	PERCHLORATE	19.00		UG/L	28.00	38.00	1.50	X
MW-34	W34M2A	08/10/2000	E314.0	PERCHLORATE	60.00	J	UG/L	53.00	63.00	1.50	X
MW-34	W34M2A	12/18/2000	E314.0	PERCHLORATE	34.00		UG/L	53.00	63.00	1.50	X
MW-34	W34M2A	05/01/2001	E314.0	PERCHLORATE	28.00	J	UG/L	53.00	63.00	1.50	X
MW-34	W34M2A	07/30/2001	E314.0	PERCHLORATE	16.20		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-35	W35M1A	05/04/2001	E314.0	PERCHLORATE	4.00	J	UG/L	68.00	78.00	1.50	X
MW-35	W35M1A	08/03/2001	E314.0	PERCHLORATE	5.40		UG/L	68.00	78.00	1.50	X
MW-66	W66SSA	08/13/2001	E314.0	PERCHLORATE	1.90	J	UG/L	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-7	W07DDA	08/20/2001	E314.0	PERCHLORATE	29.50		UG/L	227.00	237.00	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-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-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	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	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-77	W77M2A	12/06/2000	E314.0	PERCHLORATE	28.00		UG/L	38.00	48.00	1.50	X

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1997 THROUGH FEBRUARY 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
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-78	W78M2A	12/06/2000	E314.0	PERCHLORATE	19.00		UG/L	38.00	48.00	1.50	X
MW-78	W78M2A	05/10/2001	E314.0	PERCHLORATE	9.00	J	UG/L	38.00	48.00	1.50	X
MW-78	W78M2A	08/15/2001	E314.0	PERCHLORATE	11.40		UG/L	38.00	48.00	1.50	X
MW-80	W80M1A	10/10/2001	E314.0	PERCHLORATE	1.50	J	UG/L	82.73	92.73	1.50	X
MW-80	W80M1A	08/20/2001	E314.0	PERCHLORATE	1.70	J	UG/L	86.00	96.00	1.50	X
MW-91	W91SSA	01/20/2001	E314.0	PERCHLORATE	5.00	J	UG/L	0.00	10.00	1.50	X
MW-91	W91SSA	10/09/2001	E314.0	PERCHLORATE	3.22	J	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-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
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
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	80.00	92.00	2,000.00	X
95-15	W9515L	10/17/1997	IM40	ZINC	4,620.00		UG/L	80.00	92.00	2,000.00	X
LRMW0003	WL31XA	10/21/1997	IM40	ZINC	2,480.00		UG/L	102.00	117.00	2,000.00	X
LRMW0003	WL31XL	10/21/1997	IM40	ZINC	2,410.00		UG/L	102.00	117.00	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

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
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-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
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	0.00	0.00	15.00	X
MW-2	W02SSA	02/23/1998	IM40MB	LEAD	20.10		UG/L	0.00	10.00	15.00	X
MW-7	W07M1A	09/07/1999	IM40MB	LEAD	40.20		UG/L	135.00	140.00	15.00	X
MW-7	W07M1D	09/07/1999	IM40MB	LEAD	18.30		UG/L	135.00	140.00	15.00	X
MW-13	W13SSA	01/27/1998	IM40MB	MOLYBDENUM	11.20		UG/L	0.00	10.00	10.00	X
MW-13	W13SSL	01/27/1998	IM40MB	MOLYBDENUM	10.40	J	UG/L	0.00	10.00	10.00	X
MW-13	W13DDA	01/26/1998	IM40MB	MOLYBDENUM	26.60		UG/L	145.00	150.00	10.00	X
MW-13	W13DDL	01/26/1998	IM40MB	MOLYBDENUM	30.40		UG/L	145.00	150.00	10.00	X
MW-13	W13DDA	03/11/1999	IM40MB	MOLYBDENUM	11.00		UG/L	145.00	150.00	10.00	X
MW-13	W13DDD	03/11/1999	IM40MB	MOLYBDENUM	12.10	J	UG/L	145.00	150.00	10.00	X
MW-13	W13DDA	09/09/1999	IM40MB	MOLYBDENUM	17.30		UG/L	145.00	150.00	10.00	X
MW-13	W13DDA	05/17/2000	IM40MB	MOLYBDENUM	17.00		UG/L	145.00	150.00	10.00	X
MW-13	W13DDD	05/17/2000	IM40MB	MOLYBDENUM	16.80		UG/L	145.00	150.00	10.00	X
MW-13	W13DDA	12/15/2000	IM40MB	MOLYBDENUM	11.70		UG/L	145.00	150.00	10.00	X
MW-16	W16SSA	03/10/1999	IM40MB	MOLYBDENUM	21.00	J	UG/L	0.00	10.00	10.00	X
MW-16	W16DDA	03/09/1999	IM40MB	MOLYBDENUM	22.20		UG/L	223.00	228.00	10.00	X
MW-16	W16DDD	03/09/1999	IM40MB	MOLYBDENUM	23.20		UG/L	223.00	228.00	10.00	X
MW-16	W16DDA	09/09/1999	IM40MB	MOLYBDENUM	18.00	J	UG/L	223.00	228.00	10.00	X
MW-16	W16DDA	05/17/2000	IM40MB	MOLYBDENUM	12.20		UG/L	223.00	228.00	10.00	X

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1997 THROUGH FEBRUARY 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-16	W16DDA	08/03/2000	IM40MB	MOLYBDENUM	12.40		UG/L	223.00	228.00	10.00	X
MW-16	W16DDA	11/16/2000	IM40MB	MOLYBDENUM	16.80		UG/L	223.00	228.00	10.00	X
MW-16	W16DDA	05/18/2001	IM40MB	MOLYBDENUM	15.00		UG/L	223.00	228.00	10.00	X
MW-16	W16DDA	07/23/2001	IM40MB	MOLYBDENUM	11.40		UG/L	223.00	228.00	10.00	X
MW-17	W17M1L	05/18/1999	IM40MB	MOLYBDENUM	12.60		UG/L	96.00	106.00	10.00	X
MW-2	W02SSA	02/23/1998	IM40MB	MOLYBDENUM	72.10		UG/L	0.00	10.00	10.00	X
MW-2	W02SSL	02/23/1998	IM40MB	MOLYBDENUM	63.30		UG/L	0.00	10.00	10.00	X
MW-2	W02SSA	02/01/1999	IM40MB	MOLYBDENUM	26.10	J	UG/L	0.00	10.00	10.00	X
MW-2	W02SSL	02/01/1999	IM40MB	MOLYBDENUM	34.00		UG/L	0.00	10.00	10.00	X
MW-2	W02SSA	09/02/1999	IM40MB	MOLYBDENUM	29.00		UG/L	0.00	10.00	10.00	X
MW-2	W02SSL	09/02/1999	IM40MB	MOLYBDENUM	27.10		UG/L	0.00	10.00	10.00	X
MW-2	W02DDA	02/02/1999	IM40MB	MOLYBDENUM	25.60		UG/L	218.00	223.00	10.00	X
MW-2	W02DDL	02/02/1999	IM40MB	MOLYBDENUM	26.30	J	UG/L	218.00	223.00	10.00	X
MW-2	W02DDA	09/03/1999	IM40MB	MOLYBDENUM	12.80		UG/L	218.00	223.00	10.00	X
MW-45	W45SSA	05/29/2000	IM40MB	MOLYBDENUM	10.40		UG/L	0.00	10.00	10.00	X
MW-45	W45SSA	12/27/2000	IM40MB	MOLYBDENUM	10.30		UG/L	0.00	10.00	10.00	X
MW-46	W46M2A	03/30/1999	IM40MB	MOLYBDENUM	48.90		UG/L	56.00	66.00	10.00	X
MW-46	W46M2L	03/30/1999	IM40MB	MOLYBDENUM	51.00		UG/L	56.00	66.00	10.00	X
MW-46	W46M2A	08/24/1999	IM40MB	MOLYBDENUM	17.40		UG/L	56.00	66.00	10.00	X
MW-46	W46M1A	03/29/1999	IM40MB	MOLYBDENUM	32.80		UG/L	103.00	113.00	10.00	X
MW-46	W46DDA	04/01/1999	IM40MB	MOLYBDENUM	17.20		UG/L	136.00	146.00	10.00	X
MW-47	W47M3A	03/29/1999	IM40MB	MOLYBDENUM	43.10		UG/L	21.00	31.00	10.00	X
MW-47	W47M3L	03/29/1999	IM40MB	MOLYBDENUM	40.50		UG/L	21.00	31.00	10.00	X
MW-47	W47M2A	03/26/1999	IM40MB	MOLYBDENUM	11.00		UG/L	38.00	48.00	10.00	X
MW-48	W48M1A	11/23/1999	IM40MB	MOLYBDENUM	17.90		UG/L	91.00	101.00	10.00	X
MW-5	W05DDA	02/13/1998	IM40MB	MOLYBDENUM	28.30		UG/L	223.00	228.00	10.00	X
MW-5	W05DDL	02/13/1998	IM40MB	MOLYBDENUM	26.60		UG/L	223.00	228.00	10.00	X
MW-50	W50M2A	04/26/1999	IM40MB	MOLYBDENUM	20.60		UG/L	59.00	69.00	10.00	X
MW-50	W50M1A	04/27/1999	IM40MB	MOLYBDENUM	11.80		UG/L	89.00	99.00	10.00	X
MW-52	W52M3A	04/07/1999	IM40MB	MOLYBDENUM	72.60		UG/L	59.00	64.00	10.00	X
MW-52	W52M3L	04/07/1999	IM40MB	MOLYBDENUM	67.60		UG/L	59.00	64.00	10.00	X
MW-52	W52M3A	08/27/1999	IM40MB	MOLYBDENUM	23.40		UG/L	59.00	64.00	10.00	X
MW-52	W52M3L	08/27/1999	IM40MB	MOLYBDENUM	23.10		UG/L	59.00	64.00	10.00	X
MW-52	W52M3L	11/08/1999	IM40MB	MOLYBDENUM	10.50		UG/L	59.00	64.00	10.00	X
MW-52	W52M2A	04/29/1999	IM40MB	MOLYBDENUM	15.30		UG/L	74.00	84.00	10.00	X

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1997 THROUGH FEBRUARY 2002

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MW-52	W52M2L	04/29/1999	IM40MB	MOLYBDENUM	18.50		UG/L	74.00	84.00	10.00	X
MW-52	W52DDA	04/02/1999	IM40MB	MOLYBDENUM	51.10		UG/L	218.00	228.00	10.00	X
MW-52	W52DDL	04/02/1999	IM40MB	MOLYBDENUM	48.90		UG/L	218.00	228.00	10.00	X
MW-52	W52DDA	08/30/1999	IM40MB	MOLYBDENUM	28.30		UG/L	218.00	228.00	10.00	X
MW-52	W52DDL	08/30/1999	IM40MB	MOLYBDENUM	26.80		UG/L	218.00	228.00	10.00	X
MW-52	W52DDA	11/09/1999	IM40MB	MOLYBDENUM	22.70		UG/L	218.00	228.00	10.00	X
MW-52	W52DDA	05/22/2000	IM40MB	MOLYBDENUM	12.20		UG/L	218.00	228.00	10.00	X
MW-52	W52DDA	08/17/2000	IM40MB	MOLYBDENUM	10.10		UG/L	218.00	228.00	10.00	X
MW-52	W52DDA	05/21/2001	IM40MB	MOLYBDENUM	10.60		UG/L	218.00	228.00	10.00	X
MW-53	W53SSA	02/17/1999	IM40MB	MOLYBDENUM	24.90		UG/L	0.00	10.00	10.00	X
MW-53	W53SSL	02/17/1999	IM40MB	MOLYBDENUM	27.60		UG/L	0.00	10.00	10.00	X
MW-53	W53M1A	05/03/1999	IM40MB	MOLYBDENUM	122.00		UG/L	99.00	109.00	10.00	X
MW-53	W53M1L	05/03/1999	IM40MB	MOLYBDENUM	132.00		UG/L	99.00	109.00	10.00	X
MW-53	W53M1A	08/30/1999	IM40MB	MOLYBDENUM	55.20		UG/L	99.00	109.00	10.00	X
MW-53	W53M1L	08/30/1999	IM40MB	MOLYBDENUM	54.10		UG/L	99.00	109.00	10.00	X
MW-53	W53M1A	11/05/1999	IM40MB	MOLYBDENUM	41.20		UG/L	99.00	109.00	10.00	X
MW-53	W53M1L	11/05/1999	IM40MB	MOLYBDENUM	38.20		UG/L	99.00	109.00	10.00	X
MW-53	W53M1A	06/01/2000	IM40MB	MOLYBDENUM	10.30	J	UG/L	99.00	109.00	10.00	X
MW-53	W53DDA	02/18/1999	IM40MB	MOLYBDENUM	15.90		UG/L	158.00	168.00	10.00	X
MW-53	W53DDL	02/18/1999	IM40MB	MOLYBDENUM	17.40		UG/L	158.00	168.00	10.00	X
MW-53	W53DDA	08/30/1999	IM40MB	MOLYBDENUM	11.50		UG/L	158.00	168.00	10.00	X
MW-54	W54SSA	04/30/1999	IM40MB	MOLYBDENUM	56.70		UG/L	0.00	10.00	10.00	X
MW-54	W54SSL	04/30/1999	IM40MB	MOLYBDENUM	66.20		UG/L	0.00	10.00	10.00	X
MW-54	W54SSA	08/27/1999	IM40MB	MOLYBDENUM	61.40		UG/L	0.00	10.00	10.00	X
MW-54	W54SSA	11/08/1999	IM40MB	MOLYBDENUM	25.50		UG/L	0.00	10.00	10.00	X
MW-54	W54M2A	05/04/1999	IM40MB	MOLYBDENUM	11.20		UG/L	59.00	69.00	10.00	X
MW-54	W54M2L	05/04/1999	IM40MB	MOLYBDENUM	13.10		UG/L	59.00	69.00	10.00	X
MW-54	W54M2A	08/27/1999	IM40MB	MOLYBDENUM	43.70		UG/L	59.00	69.00	10.00	X
MW-54	W54M2L	08/27/1999	IM40MB	MOLYBDENUM	43.20		UG/L	59.00	69.00	10.00	X
MW-54	W54M2A	11/08/1999	IM40MB	MOLYBDENUM	14.50		UG/L	59.00	69.00	10.00	X
MW-54	W54M1A	04/30/1999	IM40MB	MOLYBDENUM	11.80		UG/L	79.00	89.00	10.00	X
MW-54	W54DDA	05/05/1999	IM40MB	MOLYBDENUM	17.50		UG/L	127.00	137.00	10.00	X
MW-55	W55SSA	05/17/1999	IM40MB	MOLYBDENUM	15.90		UG/L	0.00	10.00	10.00	X
MW-55	W55M2A	05/14/1999	IM40MB	MOLYBDENUM	21.80		UG/L	59.00	69.00	10.00	X
MW-55	W55M1A	05/13/1999	IM40MB	MOLYBDENUM	12.50		UG/L	89.00	99.00	10.00	X

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MW-55	W55DDA	05/13/1999	IM40MB	MOLYBDENUM	22.60		UG/L	119.00	129.00	10.00	X
MW-55	W55DDA	08/30/1999	IM40MB	MOLYBDENUM	14.20		UG/L	119.00	129.00	10.00	X
MW-55	W55DDA	11/08/1999	IM40MB	MOLYBDENUM	11.00		UG/L	119.00	129.00	10.00	X
MW-57	W57SSA	12/21/1999	IM40MB	MOLYBDENUM	15.20		UG/L	0.00	10.00	10.00	X
MW-57	W57SSD	12/21/1999	IM40MB	MOLYBDENUM	16.30		UG/L	0.00	10.00	10.00	X
MW-57	W57SSA	03/22/2000	IM40MB	MOLYBDENUM	10.30	J	UG/L	0.00	10.00	10.00	X
MW-57	W57SSD	03/22/2000	IM40MB	MOLYBDENUM	10.10	J	UG/L	0.00	10.00	10.00	X
MW-57	W57M3A	12/13/1999	IM40MB	MOLYBDENUM	21.90		UG/L	31.00	41.00	10.00	X
MW-57	W57M2A	03/22/2000	IM40MB	MOLYBDENUM	10.80	J	UG/L	62.00	72.00	10.00	X
MW-57	W57DDA	12/13/1999	IM40MB	MOLYBDENUM	18.60		UG/L	127.00	137.00	10.00	X
MW-57	W57DDL	12/13/1999	IM40MB	MOLYBDENUM	17.80		UG/L	127.00	137.00	10.00	X
MW-63	W63SSA	09/21/1999	IM40MB	MOLYBDENUM	12.70		UG/L	0.00	10.00	10.00	X
MW-63	W63SSL	09/21/1999	IM40MB	MOLYBDENUM	11.10		UG/L	0.00	10.00	10.00	X
MW-7	W07M1A	09/07/1999	IM40MB	MOLYBDENUM	10.20		UG/L	135.00	140.00	10.00	X
MW-81	W81M1A	10/13/1999	IM40MB	MOLYBDENUM	24.30		UG/L	100.00	110.00	10.00	X
MW-81	W81M1L	10/13/1999	IM40MB	MOLYBDENUM	22.10		UG/L	100.00	110.00	10.00	X
MW-81	W81DDA	08/17/2000	IM40MB	MOLYBDENUM	10.10		UG/L	156.00	166.00	10.00	X
MW-82	W82DDA	10/13/1999	IM40MB	MOLYBDENUM	15.40		UG/L	97.00	107.00	10.00	X
MW-82	W82DDL	10/13/1999	IM40MB	MOLYBDENUM	14.40		UG/L	97.00	107.00	10.00	X
MW-83	W83DDA	10/12/1999	IM40MB	MOLYBDENUM	13.40		UG/L	109.00	119.00	10.00	X
15MW0002	15MW0002	04/08/1999	IM40MB	SODIUM	37,600.00		UG/L	0.00	10.00	20,000.00	X
90WT0010	90WT0010	06/05/2000	IM40MB	SODIUM	23,600.00		UG/L	2.00	12.00	20,000.00	X
90WT0010	90WT0010-L	06/05/2000	IM40MB	SODIUM	24,200.00		UG/L	2.00	12.00	20,000.00	X
90WT0015	90WT0015	04/23/1999	IM40MB	SODIUM	34,300.00		UG/L	0.00	10.00	20,000.00	X
ASPWELL	ASPWELL	05/24/2001	IM40MB	SODIUM	24,900.00		UG/L	0.00	0.00	20,000.00	X
MW-144	W144SSA	06/18/2001	IM40MB	SODIUM	77,200.00		UG/L	5.00	15.00	20,000.00	X
MW-145	W145SSA	02/12/2001	IM40MB	SODIUM	37,000.00		UG/L	97.00	107.00	20,000.00	X
MW-145	W145SSA	06/20/2001	IM40MB	SODIUM	73,600.00		UG/L	97.00	107.00	20,000.00	X
MW-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-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

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

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

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1997 THROUGH FEBRUARY 2002

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

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1997 THROUGH FEBRUARY 2002

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MW-54	W54M1A	08/30/1999	IM40MB	THALLIUM	2.80	J	UG/L	79.00	89.00	2.00	X
MW-54	W54M1A	11/05/1999	IM40MB	THALLIUM	3.90	J	UG/L	79.00	89.00	2.00	X
MW-55	W55M1A	08/31/1999	IM40MB	THALLIUM	2.50	J	UG/L	89.00	99.00	2.00	X
MW-56	W56SSA	09/05/2000	IM40MB	THALLIUM	4.00	J	UG/L	1.00	11.00	2.00	X
MW-56	W56M3A	09/05/2000	IM40MB	THALLIUM	6.10	J	UG/L	31.00	41.00	2.00	X
MW-56	W56M3D	09/05/2000	IM40MB	THALLIUM	4.40	J	UG/L	31.00	41.00	2.00	X
MW-57	W57M2A	03/22/2000	IM40MB	THALLIUM	4.10	J	UG/L	62.00	72.00	2.00	X
MW-58	W58SSA	05/11/2000	IM40MB	THALLIUM	7.30	J	UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	12/20/2000	IM40MB	THALLIUM	2.00	J	UG/L	0.00	10.00	2.00	X
MW-64	W64M1A	02/07/2000	IM40MB	THALLIUM	4.10	J	UG/L	38.00	48.00	2.00	X
MW-7	W07M2L	02/05/1998	IM40MB	THALLIUM	6.60	J	UG/L	65.00	70.00	2.00	X
MW-7	W07M2A	02/24/1999	IM40MB	THALLIUM	4.40	J	UG/L	65.00	70.00	2.00	X
MW-7	W07MMA	02/23/1999	IM40MB	THALLIUM	4.10	J	UG/L	135.00	140.00	2.00	X
MW-7	W07M1A	09/07/1999	IM40MB	THALLIUM	26.20		UG/L	135.00	140.00	2.00	X
MW-7	W07M1D	09/07/1999	IM40MB	THALLIUM	12.70		UG/L	135.00	140.00	2.00	X
MW-72	W72SSA	05/27/1999	IM40MB	THALLIUM	4.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	12/19/2000	IM40MB	THALLIUM	4.30		UG/L	0.00	10.00	2.00	X
MW-73	W73SSD	12/19/2000	IM40MB	THALLIUM	2.00	J	UG/L	0.00	10.00	2.00	X
MW-83	W83SSA	01/13/2000	IM40MB	THALLIUM	3.60	J	UG/L	0.00	10.00	2.00	X
MW-84	W84SSA	10/21/1999	IM40MB	THALLIUM	3.20	J	UG/L	17.00	27.00	2.00	X
MW-94	W94M2A	01/11/2001	IM40MB	THALLIUM	2.00	J	UG/L	16.00	26.00	2.00	X
PPAWSMW-1	PPAWSMW-1	06/22/1999	IM40MB	THALLIUM	3.10	J	UG/L	10.00	20.00	2.00	X
SMR-2	WSMR2A	03/25/1999	IM40MB	THALLIUM	2.00	J	UG/L	19.00	29.00	2.00	X
95-14	W9514A	09/28/1999	IM40MB	ZINC	2,430.00		UG/L	90.00	120.00	2,000.00	X
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	0.00	0.00	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) PHTHAL	12.00		UG/L	1.00	11.00	6.00	X
11MW0003	WF143A	02/25/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00		UG/L	0.00	0.00	6.00	X
11MW0003	WF143A	09/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	24.00		UG/L	0.00	0.00	6.00	X

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15MW0004	15MW0004	04/09/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	6.00		UG/L	0.00	10.00	6.00	X
15MW0008	15MW0008D	04/12/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	25.00	J	UG/L	0.00	0.00	6.00	X
28MW0106	WL28XA	02/19/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	18.00	J	UG/L	0.00	10.00	6.00	X
28MW0106	WL28XA	03/23/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	26.00		UG/L	0.00	10.00	6.00	X
58MW0002	WC2XXA	02/26/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	36.00		UG/L	4.00	9.00	6.00	X
58MW0005E	WC5EXA	09/27/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	8.00		UG/L	0.00	10.00	6.00	X
58MW0006E	WC6EXA	10/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	59.00		UG/L	0.00	10.00	6.00	X
58MW0006E	WC6EXD	10/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	57.00		UG/L	0.00	10.00	6.00	X
58MW0006E	WC6EXA	01/29/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	6.00		UG/L	0.00	10.00	6.00	X
58MW0007C	WC7CXA	09/28/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	13.00		UG/L	24.00	29.00	6.00	X
90MW0054	WF12XA	10/04/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	13.00	J	UG/L	91.83	96.83	6.00	X
90WT0003	WF03XA	09/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	58.00		UG/L	0.00	10.00	6.00	X
90WT0005	WF05XA	01/13/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	47.00		UG/L	0.00	10.00	6.00	X
90WT0013	WF13XA	01/16/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	34.00		UG/L	0.00	10.00	6.00	X
90WT0013	WF13XA	01/14/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	16.00		UG/L	0.00	10.00	6.00	X
95-14	W9514A	09/28/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	22.00		UG/L	90.00	120.00	6.00	X
97-1	W9701A	11/19/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	54.00	J	UG/L	62.00	72.00	6.00	X
97-1	W9701D	11/19/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	28.00	J	UG/L	62.00	72.00	6.00	X
97-2	W9702A	11/20/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	7.00		UG/L	53.00	63.00	6.00	X
97-3	W9703A	11/21/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	73.00	J	UG/L	36.00	46.00	6.00	X
97-5	W9705A	11/20/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	15.00		UG/L	76.00	86.00	6.00	X
BHW215083	WG083A	11/26/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	13.00		UG/L	16.95	26.95	6.00	X
LRWS1-4	WL14XA	10/06/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	78.00	J	UG/L	107.00	117.00	6.00	X
LRWS2-3	WL23XA	11/21/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	20.00	J	UG/L	68.00	83.00	6.00	X
LRWS2-6	WL26XA	10/20/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	21.00		UG/L	75.00	90.00	6.00	X
LRWS2-6	WL26XA	10/04/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	9.00	J	UG/L	75.00	90.00	6.00	X
LRWS4-1	WL41XA	11/24/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	100.00		UG/L	66.00	91.00	6.00	X
LRWS5-1	WL51XA	11/25/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	7.00		UG/L	66.00	91.00	6.00	X
MW-10	W10SSA	09/16/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	39.00		UG/L	0.00	10.00	6.00	X
MW-11	W11SSA	11/06/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	33.00	J	UG/L	0.00	10.00	6.00	X
MW-11	W11SSD	11/06/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	23.00	J	UG/L	0.00	10.00	6.00	X
MW-12	W12SSA	11/06/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	28.00		UG/L	0.00	10.00	6.00	X
MW-14	W14SSA	11/04/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	14.00		UG/L	0.00	10.00	6.00	X
MW-16	W16SSA	11/17/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	28.00		UG/L	0.00	10.00	6.00	X
MW-16	W16DDA	11/17/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL.	43.00		UG/L	223.00	228.00	6.00	X

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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 FEBRUARY 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-17	W17SSD	11/10/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	120.00	J	UG/L	0.00	10.00	6.00	X
MW-17	W17DDA	11/11/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	42.00		UG/L	196.00	206.00	6.00	X
MW-18	W18SSA	10/10/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	36.00		UG/L	0.00	10.00	6.00	X
MW-18	W18DDA	09/10/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	11.00		UG/L	222.00	232.00	6.00	X
MW-19	W19DDA	03/04/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00		UG/L	254.00	259.00	6.00	X
MW-2	W02M2A	01/20/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	24.00		UG/L	33.00	38.00	6.00	X
MW-2	W02M1A	01/21/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	10.00	J	UG/L	75.00	80.00	6.00	X
MW-2	W02DDA	02/02/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00		UG/L	218.00	223.00	6.00	X
MW-20	W20SSA	11/07/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	280.00		UG/L	0.00	10.00	6.00	X
MW-21	W21M2A	04/01/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	58.00	68.00	6.00	X
MW-22	W22SSA	11/24/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	96.00		UG/L	0.00	10.00	6.00	X
MW-22	W22SSA	09/20/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	18.00		UG/L	0.00	10.00	6.00	X
MW-23	W23SSA	10/27/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	24.00		UG/L	0.00	10.00	6.00	X
MW-23	W23M3A	11/13/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	10.00		UG/L	34.00	39.00	6.00	X
MW-23	W23M3D	11/13/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	13.00		UG/L	34.00	39.00	6.00	X
MW-24	W24SSA	11/14/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	0.00	10.00	6.00	X
MW-27	W27SSA	09/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00		UG/L	0.00	10.00	6.00	X
MW-28	W28SSA	11/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	11.00		UG/L	0.00	10.00	6.00	X
MW-28	W28SSA	09/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	150.00	J	UG/L	0.00	10.00	6.00	X
MW-29	W29SSA	11/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	16.00		UG/L	0.00	10.00	6.00	X
MW-29	W29SSA	09/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	20.00		UG/L	0.00	10.00	6.00	X
MW-36	W36M2A	08/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	54.00	64.00	6.00	X
MW-38	W38M3A	05/06/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	15.00		UG/L	52.00	62.00	6.00	X
MW-4	W04SSA	11/04/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	30.00		UG/L	0.00	10.00	6.00	X
MW-41	W41M2A	11/12/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00		UG/L	67.00	77.00	6.00	X
MW-43	W43M1A	05/26/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	6.00		UG/L	90.00	100.00	6.00	X
MW-44	W44M1A	09/20/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	14.00		UG/L	53.00	63.00	6.00	X
MW-45	W45M1A	05/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	37.00		UG/L	98.00	108.00	6.00	X
MW-46	W46M1A	11/01/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	6.00	J	UG/L	103.00	113.00	6.00	X
MW-46	W46DDA	11/02/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	14.00	J	UG/L	136.00	146.00	6.00	X
MW-47	W47M1A	08/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	14.00		UG/L	75.00	85.00	6.00	X
MW-47	W47DDA	08/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	16.00		UG/L	100.00	110.00	6.00	X
MW-49	W49SSA	03/01/2000	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	290.00		UG/L	0.00	10.00	6.00	X
MW-5	W05DDA	02/13/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00	J	UG/L	223.00	228.00	6.00	X
MW-52	W52M3A	08/27/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00	J	UG/L	59.00	64.00	6.00	X

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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 FEBRUARY 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-53	W53M1A	08/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	31.00		UG/L	99.00	109.00	6.00	X
MW-53	W53DDA	02/18/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	18.00		UG/L	158.00	168.00	6.00	X
MW-55	W55DDA	05/13/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	119.00	129.00	6.00	X
MW-57	W57SSA	12/21/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	3,300.00	J	UG/L	0.00	10.00	6.00	X
MW-57	W57M2A	06/30/2000	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00		UG/L	62.00	72.00	6.00	X
MW-57	W57DDA	12/13/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	95.00		UG/L	127.00	137.00	6.00	X
MW-7	W07SSA	10/31/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	10.00		UG/L	0.00	10.00	6.00	X
MW-70	W70M1A	10/27/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	10.00		UG/L	129.00	139.00	6.00	X
MW-84	W84DDA	03/03/2000	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	30.00		UG/L	153.00	163.00	6.00	X
RW-1	WRW1XA	02/18/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	59.00		UG/L	0.00	9.00	6.00	X
RW-1	WRW1XD	10/06/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	11.00	J	UG/L	0.00	9.00	6.00	X
90MW0003	WF03MA	10/07/1999	OC21B	NAPHTHALENE	33.00		UG/L	52.11	57.11	20.00	X
MW-45	W45SSA	05/26/1999	OC21B	NAPHTHALENE	24.00		UG/L	0.00	10.00	20.00	X
MW-45	W45SSA	11/16/1999	OC21B	NAPHTHALENE	27.00		UG/L	0.00	10.00	20.00	X
90MW0003	WF03MA	10/07/1999	OC21V	1,2-DICHLOROETHANE	5.00		UG/L	52.11	57.11	5.00	X
03MW0007A	03MW0007A	04/13/1999	OC21V	TETRACHLOROETHYLENE(P	6.00		UG/L	21.00	26.00	5.00	X
03MW0014A	03MW0014A	04/13/1999	OC21V	TETRACHLOROETHYLENE(P	8.00		UG/L	38.00	43.00	5.00	X
03MW0020	03MW0020	04/14/1999	OC21V	TETRACHLOROETHYLENE(P	12.00		UG/L	36.00	41.00	5.00	X
MW-45	W45SSA	11/16/1999	OC21V	TOLUENE	1,000.00		UG/L	0.00	10.00	1,000.00	X
MW-45	W45SSA	05/29/2000	OC21V	TOLUENE	1,100.00		UG/L	0.00	10.00	1,000.00	X
MW-45	W45SSA	12/27/2000	OC21V	TOLUENE	1,300.00		UG/L	0.00	10.00	1,000.00	X
27MW0017B	27MW0017B	04/30/1999	OC21V	VINYL CHLORIDE	2.00		UG/L	21.00	26.00	2.00	X
PPAWSMW-1	PPAWSMW-1	06/22/1999	OL21P	DIELDRIN	3.00		UG/L	10.00	20.00	0.50	X
MW-142	W142M2A	01/29/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHAL	11.00		UG/L	100.00	110.00	6.00	X
MW-142	W142M1A	01/29/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHAL	20.00		UG/L	185.00	195.00	6.00	X
MW-146	W146M1A	02/23/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHAL	8.40		UG/L	75.00	80.00	6.00	X
MW-146	W146M1A	06/19/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHAL	8.20		UG/L	75.00	80.00	6.00	X
MW-157	W157DDA	05/03/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHAL	8.10		UG/L	199.00	209.00	6.00	X
MW-168	W168M2A	06/05/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHAL	9.00		UG/L	116.00	126.00	6.00	X
MW-168	W168M1A	06/04/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHAL	6.70		UG/L	174.00	184.00	6.00	X
MW-28	W28M1A	01/12/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHAL	9.70		UG/L	173.00	183.00	6.00	X
MW-55	W55DDA	07/31/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHAL	6.40		UG/L	119.00	129.00	6.00	X

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TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 1/15/02 - 02/28/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
97-1	97-1	02/11/2002	GROUNDWATER	83.00	93.00	62.00	72.00	E314.0	PERCHLORATE	
97-2	97-2	02/12/2002	GROUNDWATER	75.00	85.00	53.00	63.00	E314.0	PERCHLORATE	
97-5	97-5	02/12/2002	GROUNDWATER	84.00	94.00	76.00	86.00	E314.0	PERCHLORATE	
97-5	97-5	02/25/2002	GROUNDWATER	84.00	94.00	76.00	86.00	E314.0	PERCHLORATE	
W163SSA	MW-163	02/05/2002	GROUNDWATER	38.00	48.00	0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W163SSA	MW-163	02/05/2002	GROUNDWATER	38.00	48.00	0.00	10.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W184M1A	MW-184	01/24/2002	GROUNDWATER	186.00	L96.00	58.20	68.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W184M1A	MW-184	01/24/2002	GROUNDWATER	186.00	L96.00	58.20	68.20	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W187DDA	MW-187	01/23/2002	GROUNDWATER	306.00	316.00	199.50	209.50	OC21V	1,1-DICHLOROETHANE	
W187DDA	MW-187	01/23/2002	GROUNDWATER	306.00	316.00	199.50	209.50	OC21V	ACETONE	
W187DDA	MW-187	01/23/2002	GROUNDWATER	306.00	316.00	199.50	209.50	OC21V	BENZENE	
W187DDA	MW-187	01/23/2002	GROUNDWATER	306.00	316.00	199.50	209.50	OC21V	BROMOMETHANE	
W187DDA	MW-187	01/23/2002	GROUNDWATER	306.00	316.00	199.50	209.50	OC21V	CHLOROBENZENE	
W187DDA	MW-187	01/23/2002	GROUNDWATER	306.00	316.00	199.50	209.50	OC21V	CHLOROETHANE	
W187DDA	MW-187	01/23/2002	GROUNDWATER	306.00	316.00	199.50	209.50	OC21V	CHLOROMETHANE	
W187DDA	MW-187	01/23/2002	GROUNDWATER	306.00	316.00	199.50	209.50	OC21V	ETHYLBENZENE	
W187DDA	MW-187	01/23/2002	GROUNDWATER	306.00	316.00	199.50	209.50	OC21V	METHYL ETHYL KETONE (2-BUTA	
W187DDA	MW-187	01/23/2002	GROUNDWATER	306.00	316.00	199.50	209.50	OC21V	METHYLENE CHLORIDE	
W187DDA	MW-187	01/23/2002	GROUNDWATER	306.00	316.00	199.50	209.50	OC21V	TOLUENE	
W187DDA	MW-187	01/23/2002	GROUNDWATER	306.00	316.00	199.50	209.50	OC21V	VINYL CHLORIDE	
W187DDA	MW-187	01/23/2002	GROUNDWATER	306.00	316.00	199.50	209.50	OC21V	XYLENES, TOTAL	
W187DDA	MW-187	01/23/2002	GROUNDWATER	306.00	316.00	199.50	209.50	SW8270	2-METHYLNAPHTHALENE	
W187DDA	MW-187	01/23/2002	GROUNDWATER	306.00	316.00	199.50	209.50	SW8270	4-METHYLPHENOL (P-CRESOL)	
W187DDA	MW-187	01/23/2002	GROUNDWATER	306.00	316.00	199.50	209.50	SW8270	ACENAPHTHYLENE	
W187DDA	MW-187	01/23/2002	GROUNDWATER	306.00	316.00	199.50	209.50	SW8270	DI-N-BUTYL PHTHALATE	
W187DDA	MW-187	01/23/2002	GROUNDWATER	306.00	316.00	199.50	209.50	SW8270	FLUORENE	
W187DDA	MW-187	01/23/2002	GROUNDWATER	306.00	316.00	199.50	209.50	SW8270	N-NITROSODIPHENYLAMINE	
W187DDA	MW-187	01/23/2002	GROUNDWATER	306.00	316.00	199.50	209.50	SW8270	NAPHTHALENE	
W187DDA	MW-187	01/23/2002	GROUNDWATER	306.00	316.00	199.50	209.50	SW8270	PHENANTHRENE	
W187DDA	MW-187	01/23/2002	GROUNDWATER	306.00	316.00	199.50	209.50	SW8270	PHENOL	
W187M1A	MW-187	01/24/2002	GROUNDWATER	160.00	L70.00	51.30	61.30	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES

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

TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 1/15/02 - 02/28/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
W187M1A	MW-187	01/24/2002	GROUNDWATER	160.00	170.00	51.30	61.30	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W191M1A	MW-191	01/25/2002	GROUNDWATER	137.00	142.00	25.20	30.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W191M1A	MW-191	01/25/2002	GROUNDWATER	137.00	142.00	25.20	30.20	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W191M2A	MW-191	01/25/2002	GROUNDWATER	120.00	130.00	8.40	18.40	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W191M2A	MW-191	01/25/2002	GROUNDWATER	120.00	130.00	8.40	18.40	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W193M1A	MW-193	02/20/2002	GROUNDWATER	57.00	62.00	23.80	28.80	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W193M1D	MW-193	02/20/2002	GROUNDWATER	57.00	62.00	23.80	28.80	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W193SSA	MW-193	02/13/2002	GROUNDWATER	31.00	36.00	0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W196SSA	MW-196	02/07/2002	GROUNDWATER	32.00	37.00	0.00	10.00	8330N	1,3,5-TRINITROBENZENE	YES
W196SSA	MW-196	02/07/2002	GROUNDWATER	32.00	37.00	0.00	10.00	8330N	2,4,6-TRINITROTOLUENE	YES
W196SSA	MW-196	02/07/2002	GROUNDWATER	32.00	37.00	0.00	10.00	8330N	2-AMINO-4,6-DINITROTOLUENE	YES
W196SSA	MW-196	02/07/2002	GROUNDWATER	32.00	37.00	0.00	10.00	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
W196SSA	MW-196	02/07/2002	GROUNDWATER	32.00	37.00	0.00	10.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W197M2A	MW-197	02/11/2002	GROUNDWATER	80.00	85.00	59.30	64.30	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W197M3A	MW-197	02/12/2002	GROUNDWATER	60.00	65.00	39.40	44.40	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W197M3A	MW-197	02/12/2002	GROUNDWATER	60.00	65.00	39.40	44.40	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G202DAA	MW-202	02/01/2002	PROFILE	150.00	150.00	6.00	6.00	8330N	2,4-DINITROTOLUENE	NO
G202DAA	MW-202	02/01/2002	PROFILE	150.00	150.00	6.00	6.00	8330N	2,6-DINITROTOLUENE	NO
G202DAA	MW-202	02/01/2002	PROFILE	150.00	150.00	6.00	6.00	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G202DAA	MW-202	02/01/2002	PROFILE	150.00	150.00	6.00	6.00	8330N	2-NITROTOLUENE	NO
G202DAA	MW-202	02/01/2002	PROFILE	150.00	150.00	6.00	6.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G202DAA	MW-202	02/01/2002	PROFILE	150.00	150.00	6.00	6.00	8330N	PICRIC ACID	NO
G202DBA	MW-202	02/01/2002	PROFILE	160.00	160.00	16.00	16.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G202DBA	MW-202	02/01/2002	PROFILE	160.00	160.00	16.00	16.00	8330N	NITROGLYCERIN	NO
G202DCA	MW-202	02/01/2002	PROFILE	170.00	170.00	26.00	26.00	8330N	NITROBENZENE	NO
G202DCA	MW-202	02/01/2002	PROFILE	170.00	170.00	26.00	26.00	8330N	NITROGLYCERIN	NO
G202DDA	MW-202	02/04/2002	PROFILE	180.00	180.00	36.00	36.00	8330N	2-NITROTOLUENE	NO
G202DDA	MW-202	02/04/2002	PROFILE	180.00	180.00	36.00	36.00	8330N	4-NITROTOLUENE	NO
G202DDA	MW-202	02/04/2002	PROFILE	180.00	180.00	36.00	36.00	8330N	NITROBENZENE	NO
G202DDA	MW-202	02/04/2002	PROFILE	180.00	180.00	36.00	36.00	8330N	NITROGLYCERIN	NO
G202DFA	MW-202	02/04/2002	PROFILE	200.00	200.00	56.00	56.00	8330N	2-NITROTOLUENE	NO

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(UNVALIDATED)
SAMPLES COLLECTED 1/15/02 - 02/28/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G202DGA	MW-202	02/04/2002	PROFILE	210.00	210.00	66.00	66.00	8330N	2-NITROTOLUENE	NO
G202DGA	MW-202	02/04/2002	PROFILE	210.00	210.00	66.00	66.00	8330N	4-NITROTOLUENE	NO
G202DGA	MW-202	02/04/2002	PROFILE	210.00	210.00	66.00	66.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G202DGA	MW-202	02/04/2002	PROFILE	210.00	210.00	66.00	66.00	8330N	PENTAERYTHRITOL TETRANITR/	NO
G202DGA	MW-202	02/04/2002	PROFILE	210.00	210.00	66.00	66.00	8330N	PICRIC ACID	NO
G202DHA	MW-202	02/04/2002	PROFILE	220.00	220.00	76.00	76.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES+
G202DIA	MW-202	02/04/2002	PROFILE	230.00	230.00	86.00	86.00	8330N	NITROGLYCERIN	NO
G202DMA	MW-202	02/04/2002	PROFILE	270.00	270.00	126.00	126.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES+
G202DMA	MW-202	02/04/2002	PROFILE	270.00	270.00	126.00	126.00	8330N	NITROGLYCERIN	NO
G202DOA	MW-202	02/05/2002	PROFILE	290.00	290.00	146.00	146.00	8330N	2-NITROTOLUENE	NO
G203DAA	MW-203	02/14/2002	PROFILE	150.00	150.00	4.00	4.00	8330N	PICRIC ACID	NO
G203DBA	MW-203	02/14/2002	PROFILE	160.00	160.00	14.00	14.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G203DBA	MW-203	02/14/2002	PROFILE	160.00	160.00	14.00	14.00	8330N	NITROGLYCERIN	NO*
G203DBA	MW-203	02/14/2002	PROFILE	160.00	160.00	14.00	14.00	8330N	PICRIC ACID	NO
G203DCA	MW-203	02/14/2002	PROFILE	170.00	170.00	24.00	24.00	8330N	NITROGLYCERIN	NO*
G203DDA	MW-203	02/14/2002	PROFILE	180.00	180.00	34.00	34.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G203DEA	MW-203	02/14/2002	PROFILE	190.00	190.00	44.00	44.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G203DIA	MW-203	02/15/2002	PROFILE	230.00	230.00	84.00	84.00	8330N	2,6-DINITROTOLUENE	YES*
G203DIA	MW-203	02/15/2002	PROFILE	230.00	230.00	84.00	84.00	8330N	NITROGLYCERIN	NO
G203DIA	MW-203	02/15/2002	PROFILE	230.00	230.00	84.00	84.00	8330N	PICRIC ACID	NO
G204DAA	MW-204	02/14/2002	PROFILE	60.00	60.00	3.70	3.70	8330N	2,6-DINITROTOLUENE	YES*
G204DAA	MW-204	02/14/2002	PROFILE	60.00	60.00	3.70	3.70	8330N	4-NITROTOLUENE	NO
G204DAA	MW-204	02/14/2002	PROFILE	60.00	60.00	3.70	3.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G204DAA	MW-204	02/14/2002	PROFILE	60.00	60.00	3.70	3.70	8330N	NITROGLYCERIN	NO
G204DAA	MW-204	02/14/2002	PROFILE	60.00	60.00	3.70	3.70	8330N	PENTAERYTHRITOL TETRANITR/	NO
G204DAA	MW-204	02/14/2002	PROFILE	60.00	60.00	3.70	3.70	8330N	PICRIC ACID	NO
G204DBA	MW-204	02/14/2002	PROFILE	70.00	70.00	13.70	13.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G204DBA	MW-204	02/14/2002	PROFILE	70.00	70.00	13.70	13.70	8330N	PICRIC ACID	NO
G204DCA	MW-204	02/15/2002	PROFILE	80.00	80.00	23.70	23.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G204DDA	MW-204	02/15/2002	PROFILE	90.00	90.00	33.70	33.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G204DDA	MW-204	02/15/2002	PROFILE	90.00	90.00	33.70	33.70	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES

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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G204DEA	MW-204	02/15/2002	PROFILE	100.00	100.00	43.70	43.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G204DIA	MW-204	02/19/2002	PROFILE	140.00	140.00	83.70	83.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G204DJA	MW-204	02/19/2002	PROFILE	150.00	150.00	93.70	93.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G204DMA	MW-204	02/19/2002	PROFILE	180.00	180.00	123.70	123.70	8330N	2,6-DINITROTOLUENE	YES*
G204DMA	MW-204	02/19/2002	PROFILE	180.00	180.00	123.70	123.70	8330N	4-NITROTOLUENE	NO
G205DAA	MW-205	02/14/2002	PROFILE	105.00	105.00	7.20	7.20	8330N	2-NITROTOLUENE	NO
G205DAA	MW-205	02/14/2002	PROFILE	105.00	105.00	7.20	7.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO*
G205DAA	MW-205	02/14/2002	PROFILE	105.00	105.00	7.20	7.20	8330N	NITROBENZENE	NO
G205DAA	MW-205	02/14/2002	PROFILE	105.00	105.00	7.20	7.20	8330N	NITROGLYCERIN	NO
G205DAA	MW-205	02/14/2002	PROFILE	105.00	105.00	7.20	7.20	8330N	PICRIC ACID	NO
G205DBA	MW-205	02/14/2002	PROFILE	110.00	110.00	12.20	12.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO*
G205DBA	MW-205	02/14/2002	PROFILE	110.00	110.00	12.20	12.20	8330N	NITROGLYCERIN	NO
G205DBA	MW-205	02/14/2002	PROFILE	110.00	110.00	12.20	12.20	8330N	PICRIC ACID	NO
G205DCA	MW-205	02/14/2002	PROFILE	120.00	120.00	22.20	22.20	8330N	NITROGLYCERIN	NO
G205DCA	MW-205	02/14/2002	PROFILE	120.00	120.00	22.20	22.20	8330N	PICRIC ACID	NO
G205DCD	MW-205	02/14/2002	PROFILE	120.00	120.00	22.20	22.20	8330N	NITROGLYCERIN	NO
G205DCD	MW-205	02/14/2002	PROFILE	120.00	120.00	22.20	22.20	8330N	PICRIC ACID	NO
G205DDA	MW-205	02/14/2002	PROFILE	130.00	130.00	32.20	32.20	8330N	NITROGLYCERIN	NO
G205DDA	MW-205	02/14/2002	PROFILE	130.00	130.00	32.20	32.20	8330N	PICRIC ACID	NO
G205DEA	MW-205	02/14/2002	PROFILE	140.00	140.00	42.20	42.20	8330N	PICRIC ACID	NO
G205DHA	MW-205	02/14/2002	PROFILE	170.00	170.00	72.20	72.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G205DHA	MW-205	02/14/2002	PROFILE	170.00	170.00	72.20	72.20	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G205DIA	MW-205	02/15/2002	PROFILE	180.00	180.00	82.20	82.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO*
G205DIA	MW-205	02/15/2002	PROFILE	180.00	180.00	82.20	82.20	8330N	NITROGLYCERIN	NO
G205DIA	MW-205	02/15/2002	PROFILE	180.00	180.00	82.20	82.20	8330N	PICRIC ACID	NO
G205DNA	MW-205	02/15/2002	PROFILE	230.00	230.00	132.20	132.20	8330N	PICRIC ACID	NO
G205DOA	MW-205	02/15/2002	PROFILE	240.00	240.00	142.20	142.20	8330N	PICRIC ACID	NO
G208DAA	MW-208	02/26/2002	PROFILE	150.00	150.00	11.90	11.90	8330N	1,3,5-TRINITROBENZENE	NO
G208DAA	MW-208	02/26/2002	PROFILE	150.00	150.00	11.90	11.90	8330N	1,3-DINITROBENZENE	NO
G208DAA	MW-208	02/26/2002	PROFILE	150.00	150.00	11.90	11.90	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G208DAA	MW-208	02/26/2002	PROFILE	150.00	150.00	11.90	11.90	8330N	4-AMINO-2,6-DINITROTOLUENE	NO

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G208DAA	MW-208	02/26/2002	PROFILE	150.00	150.00	11.90	11.90	8330N	4-NITROTOLUENE	NO
G208DAA	MW-208	02/26/2002	PROFILE	150.00	150.00	11.90	11.90	8330N	NITROBENZENE	NO
G208DAA	MW-208	02/26/2002	PROFILE	150.00	150.00	11.90	11.90	8330N	NITROGLYCERIN	NO
G208DAA	MW-208	02/26/2002	PROFILE	150.00	150.00	11.90	11.90	8330N	PICRIC ACID	NO
G208DBA	MW-208	02/26/2002	PROFILE	160.00	160.00	21.90	21.90	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G208DBA	MW-208	02/26/2002	PROFILE	160.00	160.00	21.90	21.90	8330N	NITROGLYCERIN	NO
G208DCA	MW-208	02/26/2002	PROFILE	170.00	170.00	31.90	31.90	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G208DCA	MW-208	02/26/2002	PROFILE	170.00	170.00	31.90	31.90	8330N	NITROBENZENE	NO
G208DCA	MW-208	02/26/2002	PROFILE	170.00	170.00	31.90	31.90	8330N	NITROGLYCERIN	NO
G208DCA	MW-208	02/26/2002	PROFILE	170.00	170.00	31.90	31.90	8330N	PICRIC ACID	NO
G208DDA	MW-208	02/26/2002	PROFILE	180.00	180.00	41.90	41.90	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G208DDA	MW-208	02/26/2002	PROFILE	180.00	180.00	41.90	41.90	8330N	NITROGLYCERIN	NO
G208DDA	MW-208	02/26/2002	PROFILE	180.00	180.00	41.90	41.90	8330N	PICRIC ACID	NO
G208DEA	MW-208	02/26/2002	PROFILE	190.00	190.00	51.90	51.90	8330N	NITROGLYCERIN	NO
G208DFA	MW-208	02/27/2002	PROFILE	200.00	200.00	61.90	61.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES*
G208DFA	MW-208	02/27/2002	PROFILE	200.00	200.00	61.90	61.90	8330N	NITROGLYCERIN	NO
G208DGA	MW-208	02/27/2002	PROFILE	210.00	210.00	71.90	71.90	8330N	NITROGLYCERIN	NO
G208DHA	MW-208	02/27/2002	PROFILE	220.00	220.00	81.90	81.90	8330N	NITROGLYCERIN	NO
G208DIA	MW-208	02/27/2002	PROFILE	230.00	230.00	91.90	91.90	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G208DIA	MW-208	02/27/2002	PROFILE	230.00	230.00	91.90	91.90	8330N	3-NITROTOLUENE	YES*
G208DIA	MW-208	02/27/2002	PROFILE	230.00	230.00	91.90	91.90	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G208DIA	MW-208	02/27/2002	PROFILE	230.00	230.00	91.90	91.90	8330N	4-NITROTOLUENE	NO
G208DIA	MW-208	02/27/2002	PROFILE	230.00	230.00	91.90	91.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO**
G208DIA	MW-208	02/27/2002	PROFILE	230.00	230.00	91.90	91.90	8330N	NITROBENZENE	NO
G208DIA	MW-208	02/27/2002	PROFILE	230.00	230.00	91.90	91.90	8330N	NITROGLYCERIN	NO
G208DIA	MW-208	02/27/2002	PROFILE	230.00	230.00	91.90	91.90	8330N	PICRIC ACID	NO
G208DJA	MW-208	02/28/2002	PROFILE	240.00	240.00	101.90	101.90	8330N	NITROGLYCERIN	NO
G208DKA	MW-208	02/28/2002	PROFILE	250.00	250.00	111.90	111.90	8330N	NITROGLYCERIN	NO
G208DLD	MW-208	02/28/2002	PROFILE	260.00	260.00	121.90	121.90	8330N	NITROGLYCERIN	NO
G208DMA	MW-208	02/28/2002	PROFILE	270.00	270.00	131.90	131.90	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G208DMA	MW-208	02/28/2002	PROFILE	270.00	270.00	131.90	131.90	8330N	NITROGLYCERIN	NO

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G208DMA	MW-208	02/28/2002	PROFILE	270.00	270.00	131.90	131.90	8330N	PICRIC ACID	NO
HD152AC1CAA	152AC	02/08/2002	SOIL GRID	0.50	1.00			8330LN	NITROGLYCERIN	NO

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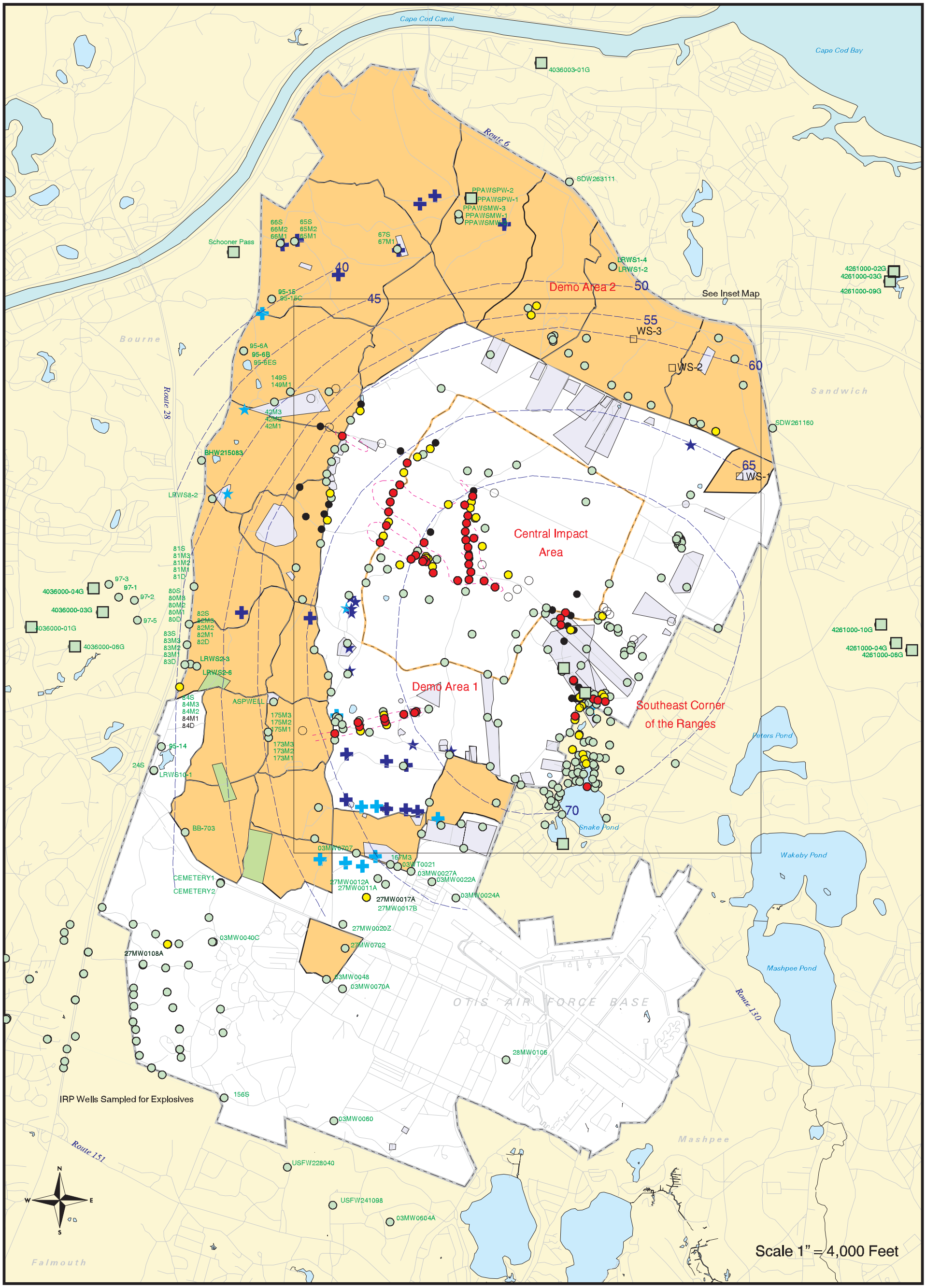

LEGEND

- 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
- 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
- Future Supply Well
- Water Table Contour (feet above mean sea level)
- 2.0 ppb RDX Concentration Contour

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

amec March 05, 2002 DRAFT

IAGWSP Impact Area Groundwater Study Program

Figure 1

Explosives in Groundwater Compared to Maximum Contaminant Level/Health Advisories
Validated Data as of 3/1/02

Demo Area 2

Central Impact Area

CS-19

Demo Area 1

Southeast Corner of the Ranges

Gibbs Pond

Succonsette Pond

Opening Pond

Snake Pond

Weeks Pond

J-3 Wetland

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

RANGECON

SMR-2

SMR-3

SMR-4

TEXTRONPW-1

TEXTRONPW-2

J1P-1

J2P-10

J2P-12

J2P-13

J2P-14

J2P-15

J2P-16

J3P-10

D1P-9

WS-1

WS-2

WS-3

RW-1

RW-3

Scale 1" = 1,200 Feet

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

amec March 05, 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)
- 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
- Future Supply Well

IAGWSP Impact Area Groundwater Study Program

Figure 1 - INSET MAP

Explosives in Groundwater
Compared to Maximum Contaminant Level/Health Advisories
Validated Data as of 3/1/02

Cape Cod Canal
Cape Cod Bay
Route 6
Schooner Pass
Bourne
Route 28
Sandwich
Demo Area 2
See Inset Map
Central Impact Area
Demo Area 1
Southeast Corner of the Ranges
Peters Pond
Snake Pond
Wakeby Pond
Mashpee Pond
Route 130
OTIS AIR FORCE BASE
Mashpee
Route 151
Falmouth
SDW263111
PPAWSMW-3
PPAWSMW-1
PPAWSMW-2
66S
66M2
66M1
65S
65M2
65M1
67S
67M1
LRWS1-4
LRWS1-2
95-15
95-15C
40
45
50
55
60
65
70
WS-3
WS-2
WS-1
95-6A
95-6B
95-6ES
42M3
42M2
42M1
149S
SDW261160
BHW215083
LRWS8-2
81S
81M3
81M2
81M1
81D
97-3
97-1
97-2
97-5
80S
80M3
80M2
80M1
80D
82S
82M3
82M2
82M1
82D
83S
83M3
83M2
83M1
83D
LRWS2-3
LRWS2-6
84S
84M3
84M2
84M1
84D
USPWELL
95-14
24S
LRWS10-1
BB-703
03MW0707
167M3
03MW T0021
03MW0027A
03MW0022A
CEMETERY1
CEMETERY2
27MW0012A
27MW0011A
03MW0024A
27MW0020Z
27MW0702
03MW0040C
03MW0048
03MW0070A
28MW0106
156S
03MW0060
USFW228040
USFW241098
03MW0604A
N
W
E
S
Scale 1" = 4,000 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
- Combat Training Areas
- Military Training Areas
- Military Ranges
- Water Table Contour (ft above mean sea level)
- Current Gun Position
- Current Mortar Position
- Old Gun Position
- Old Mortar Position
- Validated Detection less than Maximum Contaminant Level/Health Advisories Water Supply Well
- Future Supply Well

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

amec March 06, 2002 DRAFT

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IAGWSP Impact Area Groundwater Study Program

Figure 2
Metals in Groundwater Compared to Maximum Contaminant Level/Health Advisories
Validated Data as of 3/1/02

Demo Area 2
Central Impact Area
Demo Area 1
Southeast Corner of the Ranges
Gibbs Pond
Succonsette Pond
Opening Pond
Snake Pond
Weeks Pond
J-3 Wetland
Burgoyne Rd
Spruce Swamp Rd
Jefferson Rd
Pocasset Sandwich Rd
Gibbs Rd
Wood Rd
Barlow Rd
Tank Alley
Turpentine Rd
Wheelock Rd
Pocasset Forestdale Rd
Greenway Rd
Raccoon Ln
Arnold Rd
Snake Pond Rd
Rt 130
RANGECON
WS-1
WS-2
WS-3
RW-1
RW-3
SMR-2
SMR-3
SMR-4
TEXTRONPW-1
TEXTRONPW-2
J1P-1
J2P-12
J2P-13
J2P-14
J2P-15
J2P-16
J3P-10
MW-181
MW-188
MW-189
MW-190
MW-191
MW-192
MW-193
MW-194
MW-195
MW-196
MW-197
MW-198
RS0047
Sp3-91
SP4-91
45
50
55
60
65
70
160S
161S
16S
16D
53S
53M3
53M2
53M1
53D
11MW0002
11MW0003
11MW0004
11MW0001
17S
17M3
17M2
17M1
17D
LRMW0003
62S
52S
52M3
52M2
52M1
52D
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
62S
02M2
02M1
02D
05S
05M2
05M1
05D
59S
59M2
59M1
26S
44S
44M2
44M1
01S
01M2
01M1
01D
40S
40M1
27S
37M3
37M2
37M1
25S
39S
39M2
39M1
38S
38M4
38M3
38M2
38M1
38D
58MW0018A
58MW0018B
58MW0018C
58MW0007C
58MW0007B
58MW0007E
58MW0017A
58MW0017B
58MW0017C
58MW0009C
58MW0009E
58MW0010A
58MW0010B
58MW0011D
58MW0011E
58MW0008E
58MW0003
58MW0015A
58MW0015B
58MW0004
58MW0005E
58MW0002
58MW0016A
58MW0016B
58MW0016C
58MW0001
58MW0006E
09S
94S
94M2
94M1
15S
15D
104S
104M2
104M1
08S
22S
174S
71S
71M1
21S
21M3
21M2
21M1
21D
70S
70M1
46S
46M3
46M2
46M1
46D
69S
69M2
69M1
47S
47M3
47M2
47M1
47D
20S
34M3
34M2
34M1
36S
36M2
36M1
35S
35M2
35M1
31S
19S
19D
73S
64S
64M2
64M1
68S
68M1
109S
151S
150S
03MW0710
03MW0709
03MW0006
03MW0007A
03MW0014A
03MW0020
03MW0122R
LRWS8-1
56S
56M3
56M2
56M1
56D
90WT0008
06S
MW-187
164M3
164M2
164M1
166M3
166M2
166M1
118M2
118M1
126S
126M1
168M3
168M2
168M1
58S
136S
136M1
07S
07M2
07M1
07D
152M2
152M1
14S
61S
28S
28M2
28M1
29S
130S
130M1
130D
119S
117S
137S
120S
120M1
LRWS5-1
170M3
170M2
170M1
12S
15WT0712
15MW0006
15MW0001
15WT0007
15MW0009
15MW0005
15WT0711
15MW0008
15MW0007
15MW0004
15MW0002
116S
121S
122S
154S
154M1
158S
158M2
158M1
13S
13D
127S
128S
128M2
128M1
125S
125M1
163S
132S
132M1
147M3
147M2
147M1
153M3
153M2
153M1
131S
131M2
131M1
LRWS7-1
30S
144S
144M2
144M1
143M3
143M2
143M1
90MW0022
142S
142M2
142M1
90LWA0007
90MW0029B
90MW0013
90WT0013
90WT0003
90WT0015
140M1
90MW0038
90MW0031
90MW0019
145S
145M1
148S
148M1
45S
45M2
45M1
146S
146M1
90WT0005
155M2
155M1
157M2
157M1
157D
90MW0003
90MW0054
09WT0010
ECMWSNP02S
ECMWSNP02D
ECMWSNP03S
ECMWSNP03D
57S
57M3
57M2
57M1
57D
90MW0021
90MW0014
J2P-16
Scale 1" = 1,200 Feet

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
- Future Supply Well

IAGWSP Impact Area Groundwater Study Program

Figure 2 - INSET MAP

Metals in Groundwater
Compared to Maximum Contaminant Level/Health Advisories
Validated Data as of 3/1/02

Cape Cod Canal
Cape Cod Bay
Route 6
Schooner Pass
Bourne
Route 28
Sandwich
Demo Area 2
See Inset Map
Central Impact Area
Demo Area 1
Southeast Corner of the Ranges
Peters Pond
Snake Pond
Wakeby Pond
Mashpee Pond
Route 130
OTIS AIR FORCE BASE
Mashpee
Route 151
Falmouth
40
45
50
55
60
65
70
WS-3
WS-2
WS-1
SDW263111
PPAWSMW-3
PPAWSMW-1
PPAWSMW-2
66S
66M2
66M1
65S
65M2
65M1
67S
67M1
LRWS1-4
LRWS1-2
95-15
95-15C
95-6A
95-6B
95-6ES
42M3
42M2
42M1
49S
SDW261160
BHW215083
LRWS8-2
81S
81M3
81M2
81M1
81D
97-3
97-1
97-2
97-5
80S
80M3
80M2
80M1
80D
82S
82M3
82M2
82M1
82D
83S
83M3
83M2
83M1
83D
LRWS2-3
LRWS2-6
ASPWELL
84S
84M3
84M2
84M1
84D
95-14
24S
LRWS10-1
BB-703
03MW0702
167M3
03MW0021
03MW0027A
03MW0022A
03MW0024A
27MW0012A
27MW0011A
27MW0017A
27MW0017B
CEMETERY1
CEMETERY2
27MW0020Z
27MW0702
03MW0040C
03MW0048
03MW0070A
28MW0106
156S
03MW0060
USFW228040
USFW241098
03MW0604A
N
S
E
W
Scale 1" = 4,000 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
- Combat Training Areas
- Military Training Areas
- Military Ranges
- Validated Non-detect Water Supply Well
- Water Table Contour (ft above mean sea level)
- Current Gun Position
- Current Mortar Position
- Old Gun Position
- Old Mortar Position
- Validated Detection less than Maximum Contaminant Level/Health Advisories Water Supply Well
- Future 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 3/1/02

Demo Area 2

Central Impact Area

Demo Area 1

Southeast Corner of the Ranges

Gibbs Pond

Burgoyne Rd

Gibbs Rd

Spruce Swamp Rd

Jefferson Rd

Pocasset Sandwich Rd

Wood Rd

Barlow Rd

Greenway Rd

Tank Alley

Turpentine Rd

Wheelock Rd

Succonsette Pond

Opening Pond

Pocasset Forestdale Rd

J-3 Wetland

Raccoon Ln

Arnold Rd

Rt 130

Snake Pond

Weeks Pond

Snake Pond Rd

WS-1 WS-2 WS-3

RW-1 RW-3

LRMW0003

LRWS1-1 LRWS4-1 LRWS5-1 LRWS6-1 LRWS7-1

RANGECON

SMR-2 SMR-3 SMR-4

TEXTRONPW-1 TEXTRONPW-2

J1P-1 J2P-10 J2P-12 J2P-13 J2P-14 J2P-15 J2P-16

MW-187 MW-188 MW-189 MW-190 MW-191 MW-192 MW-193 MW-194 MW-195 MW-196 MW-197 MW-198 MW-199 MW-200 MW-201

ECMWSNP02S ECMWSNP02D ECMWSNP03S ECMWSNP03D

SP3-91 SP4-91

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

11MW0001 11MW0002 11MW0003 11MW0004

58MW0001 58MW0002 58MW0003 58MW0004 58MW0005E 58MW0006E 58MW0007B 58MW0007C 58MW0007E 58MW0008E 58MW0009C 58MW0009E 58MW0010A 58MW0010B 58MW0011D 58MW0011E 58MW0015A 58MW0015B 58MW0016A 58MW0016B 58MW0016C 58MW0017A 58MW0017B 58MW0017C 58MW0018A 58MW0018B 58MW0018C

90LWA0007 90MW0002B 90MW0003 90MW0004 90MW0005 90MW0013 90MW0014 90MW0019 90MW0021 90MW0022 90MW0031 90MW0038 90MW0054 90WT0003 90WT0005 90WT0008 90WT0010 90WT0013 90WT0015

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

MW-200 MW-201

RANGECON

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

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LEGEND

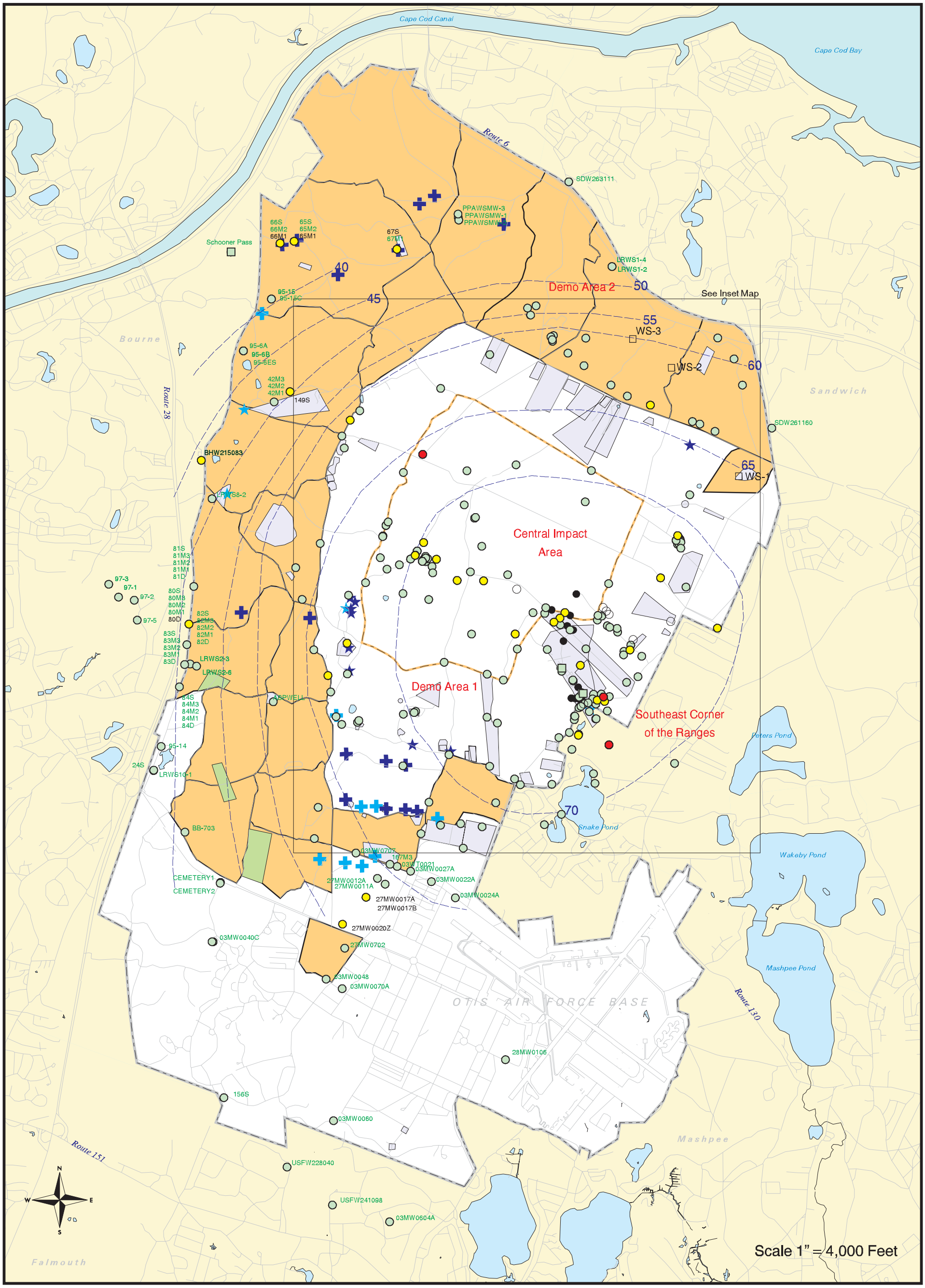
- Validated Detection Greater than or Equal to Maximum Contaminant Level/Health Advisories
- Validated Detection less than Maximum Contaminant Level/Health Advisories
- Validated Non-detect
- No Data Available
- Proposed Well
- Water Table Contour (feet above mean sea level)
- Current Gun Position
-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

Scale 1" = 1,200 Feet

IAGWSP Impact Area Groundwater Study Program

Figure 3 - INSET MAP

Volatile Organic Compounds (excluding Chloroform) in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 3/1/02



Scale 1" = 4,000 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
- 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
- Future 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 3/1/02

Demo Area 2

Central Impact Area

Demo Area 1

Southeast Corner of the Ranges

Gibbs Pond

Succonsette Pond

Opening Pond

J-3 Wetland

Snake Pond

Weeks 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

WS-1 WS-2 WS-3

RW-1 RW-3

SMR-2 SMR-3 SMR-4

RANGECON

TEXTRONPW-1 TEXTRONPW-2

J2P-10 J2P-12 J2P-13 J2P-14 J2P-15 J2P-16

MW-181 MW-187 MW-188 MW-189 MW-190 MW-191 MW-192 MW-193 MW-194 MW-195 MW-196 MW-197 MW-198

45 50 55 60 65 70

Scale 1" = 1,200 Feet

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

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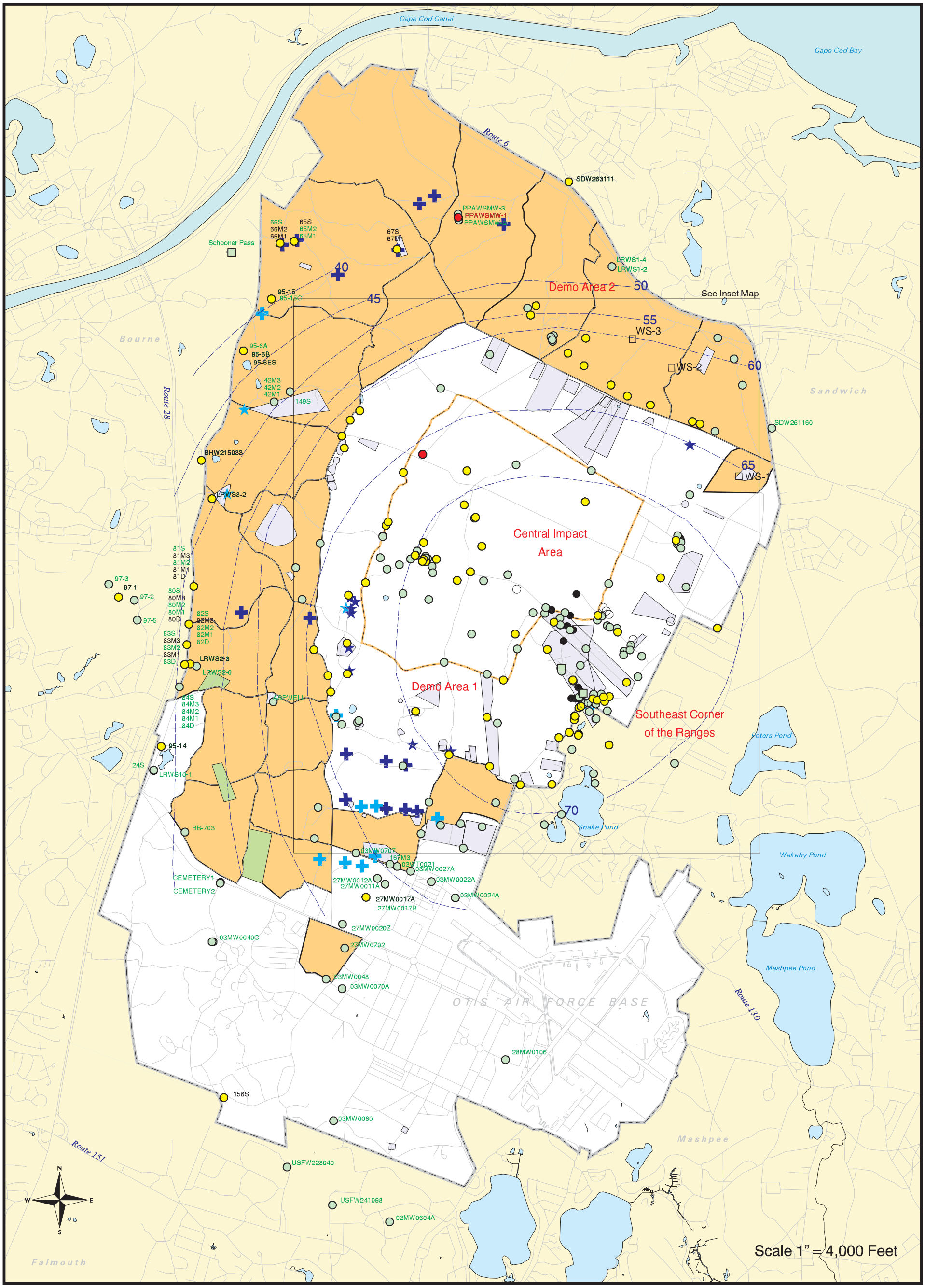
LEGEND

- 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 Non-Detect Water Supply Well
- Future Supply Well

IAGWSP Impact Area Groundwater Study Program

Figure 5 - INSET MAP

Semi-Volatile Organic Compounds (excluding BEHP) in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 3/1/02



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
- 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
- Future Supply Well
- Water Table Contour (feet above mean sea level)

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 3/1/02

Demo Area 2

Central Impact Area

Demo Area 1

Southeast Corner of the Ranges

Gibbs Pond

Succonsette Pond

Opening Pond

Snake Pond

Weeks Pond

J-3 Wetland

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

SMR-2

SMR-3

SMR-4

TEXTRONPW-1

TEXTRONPW-2

WS-1

WS-2

WS-3

RW-1

RW-3

45

50

55

60

65

70

Scale 1" = 1,200 Feet

N

S

E

W

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

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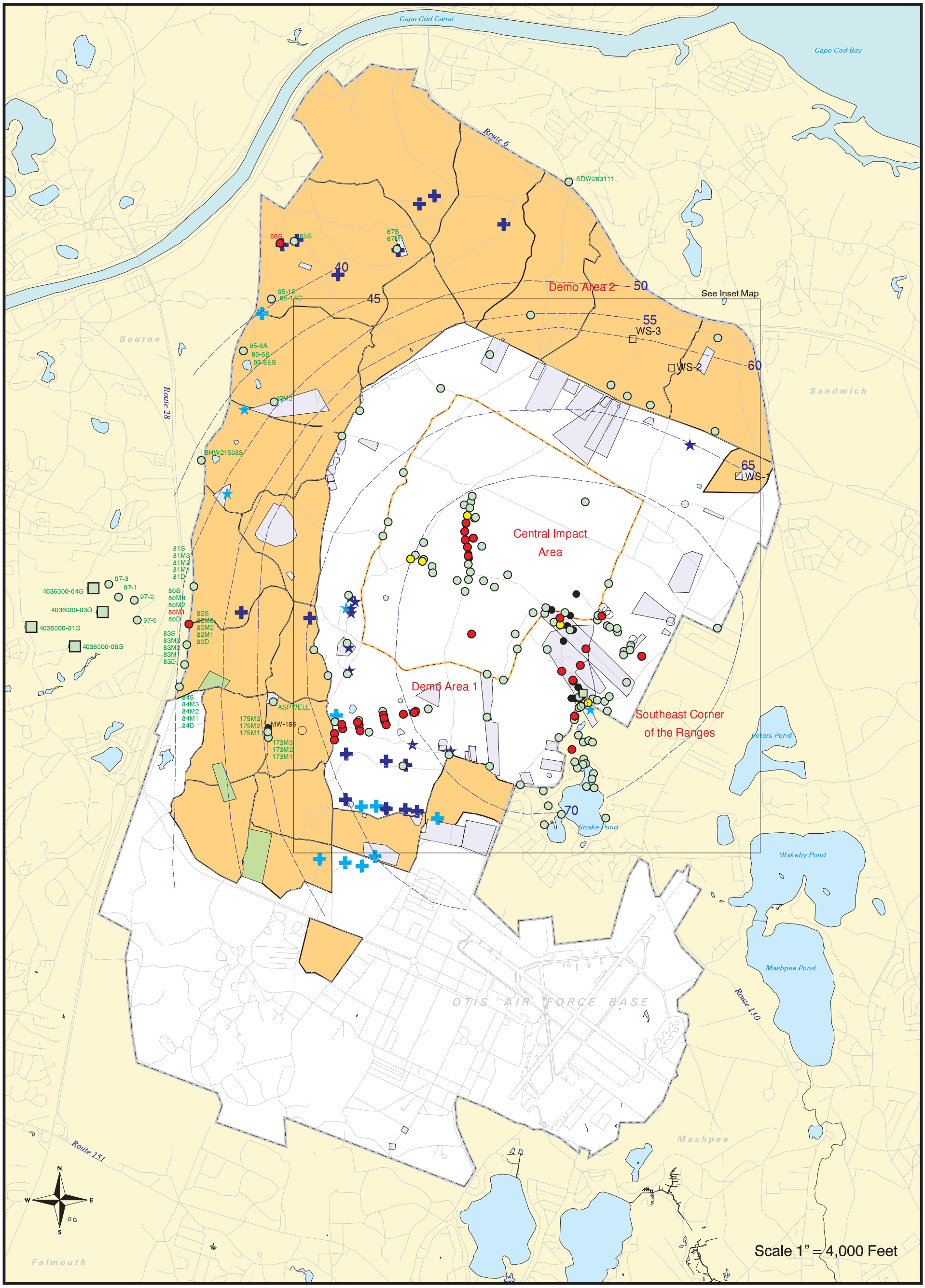
LEGEND

- 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 Non-Detect Water Supply Well
- Future Supply Well

IAGWSP Impact Area Groundwater Study Program

Figure 7 - INSET MAP

Herbicides and Pesticides in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 3/1/02



LEGEND

- Validated Detection Greater than or Equal to EPA Limit
- Validated Detection Less than EPA Limit
- Validated Non-detect
- No Data Available
- Proposed 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
- Future 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 8
Perchlorate in Groundwater
Compared to EPA Limit
Validated Data as of 3/1/02

Demo Area 2

Central Impact Area

Demo Area 1

Southeast Corner of the Ranges

Gibbs Pond

Succonsette Pond

Opening Pond

Snake Pond

Weeks Pond

J-3 Wetland

Burgoyne Rd

Spruce Swamp Rd

Jefferson Rd

Pocasset Sandwich Rd

Gibbs 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

45 50 55 60 65 70

WS-1 WS-2 WS-3

LRMW0003

16S 62S 10S 10M1 10D 50M1 23M1 43M2 39S 39M2 39M1 58MW0007C 38M4 38M3 38M2 38M1 38D 58MW0009E 58MW0011D 58MW0011E 58MW0002 58MW0016B 58MW0016C 58MW0006E 25S 37M3 85S 85M1 40M1 107M2 107M1 115S 115M1 27S 44S 93M2 93M1 91S 91M1 OW-6 OW-2 OW-1 90S 90M1 01S 01M2 100M2 100M1 101S 101M1 105M2 105M1 98S 98M1 99S 99M1 59S 59M2 59M1 26S 92M1 113M2 113M1 02S 02M2 02M1 02D 112M2 112M1 54S 54M3 54M2 54M1 54D 55S 55M3 55M2 55M1 55D 63S 63M3 63M2 63M1 63D 18D 05S 05M2 05M1 05D 12S J1P-1 MW-192 06S MW-187 164M3 164M2 164M1 MW-188 165M3 166M2 166M1 168M3 168M2 168M1 58S MW-191 MW-189 136S 136M1 MW-190 13S 13D 118M2 118M1 126S 126M1 07S 07M2 07M1 07D 152M2 152M1 SMR-4 61S 28S 28M2 28M1 J2P-13 J2P-12 J2P-14 29S 130S 130M1 130D 119S 117S SMR-2 137S 120S 120M1 J2P-15 118S J2P-16 121S 122S 154S 154M1 158S 158M2 158M1 127S 128S 128M2 128M1 125S 125M1 163S 132S 132M1 181S MW-193 131S 131M2 131M1 TEXTRONPW-1 30S MW-198 MW-194 MW-195 MW-196 MW-197 J3P-10 90WT0004 144S 144M2 144M1 147M3 147M2 147M1 153M3 153M2 153M1 146S 146M1 90WT0013 148S 148M1 140M1 145S 145M1 143M3 143M2 143M1 90MW0022 142S 142M2 142M1 155M2 155M1 90MW0063 90MW0070 90MW0071 157M2 157M1 157D 90MW0054 90MP0059 90PZ0211 90MW0101A 90MW0102A 90PZ0204 90SNP001 169M2 169M1 90SNP002 171M3 171M2 171M1 RS0018 RS0011 SNP3-91 SNP4-91 RS0021 57S 57M3 57M2 57M1 57D 56S 56M3 56M2 56M1 56D 109S 68S 64S 64M2 64M1 60S 19S 73S 31S 31M1 31D 79S 79M2 79M1 74M3 74M2 74M1 75S 75M2 75M1 76S 76M2 76M1 77S 77M2 77M1 78M3 78M2 78M1 34M3 34M2 34M1 36S 36M2 36M1 114M2 114M1 129M3 129M2 129M1 162M3 162M2 162M1 139M3 139M2 139M1 35S 35M2 35M1 33S 33D 165M3 165M2 165M1 172M3 172M2 172M1 D1P-9 71S 71M1 70S 21D 46S 46M3 46M2 46M1 46D 69S

N W E S

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

amec March 06, 2002 DRAFT

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LEGEND

- Validated Detection Greater than or Equal to EPA Limit
- Validated Detection Less than EPA Limit
- 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
- Future Supply Well

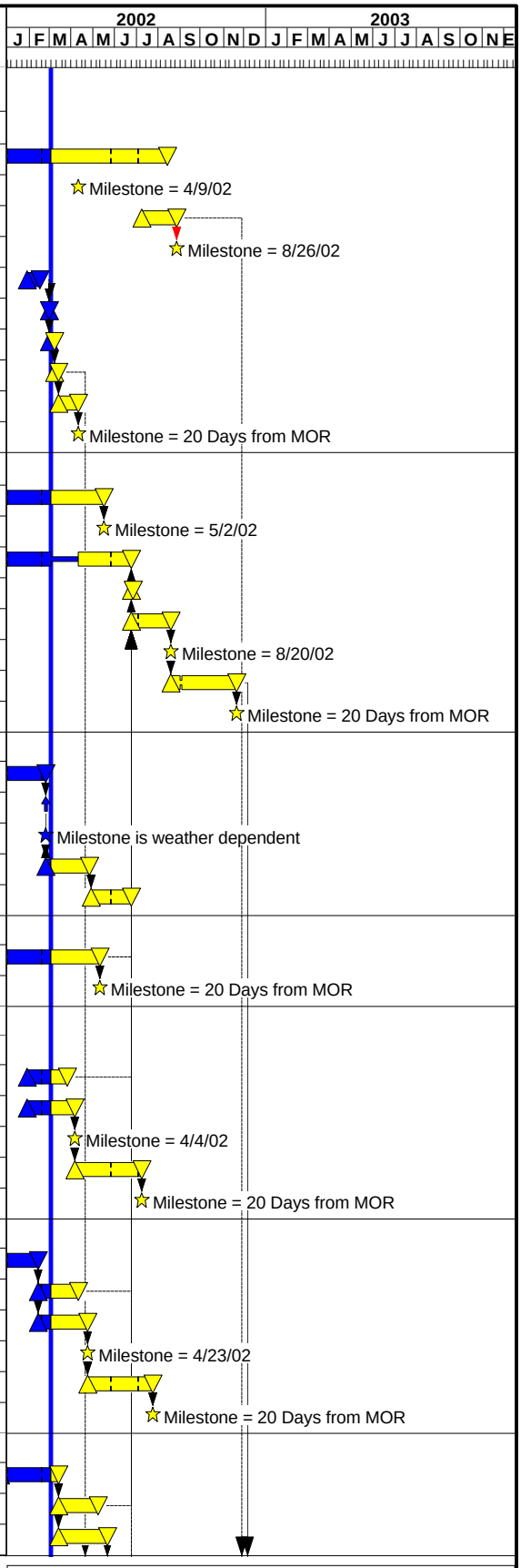
Scale 1" = 1,200 Feet

IAGWSP Impact Area Groundwater Study Program

Figure 8 - INSET MAP

Perchlorate in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 3/1/02

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Site Characterization (AO1)					
Demo Area 1					
00190	Additional GW Delineation		115	26NOV01A	13AUG02
00191	D1P-9 Results	YES	0		09APR02
00193	Prepare GW Report Addendum		34	10JUL02*	26AUG02
00194	Draft GW Report Addendum	YES	0		26AUG02
00167	Guard Prepare/Submit RCL		0	29JAN02A	15FEB02A
00168	Resolution Meeting (if needed)		0	28FEB02A	28FEB02A
00169	Guard Prepare/Submit MOR (if needed)		4	01MAR02A	07MAR02
00171	EPA Approve MOR (if needed)		5	08MAR02	14MAR02
00172	Guard Prepare Final Soil Report		20	15MAR02	11APR02
00159	Demo 1 Final Soil Report	YES	0		11APR02
Central Impact Area					
00285	Install 17 Additional Well Nests		53	13DEC01A	15MAY02
00287	Complete 17 Additional Well Nests	YES	0		15MAY02
00290	Revise Draft Soil Report		51	17JUL01A	24JUN02
00260	Coordination Meeting CIA Soil Report		1	25JUN02	25JUN02
00261	Final Revisions CIA Soil Report		40	25JUN02	20AUG02
00262	Submit Draft Final CIA Soil Report	YES	0		20AUG02
00263	Revise Draft Final CIA Soil Report		65	21AUG02	20NOV02
00292	Final Soil Report	YES	0		20NOV02
Impact Area Targets (Phase 2)					
01820	Targets Revise Draft Workplan		0	06NOV01A	22FEB02A
01830	Targets Final Workplan		0		22FEB02A
01840	Targets Start Data Cllctn	YES	0	25FEB02A	
01850	Targets Investigation (Phase 2)		40	25FEB02A	26APR02
01860	Lab Analysis/Data Validation		40	29APR02	24JUN02
High Use Target Area 1					
01190	HUTA Revise Draft Report		50	01NOV01A	10MAY02
01195	HUTA Final Report	YES	0		10MAY02
High Use Target Area 2					
Site #1					
01904	Lab Analysis/Data Validation		16	28JAN02A	25MAR02
01905	Prepare Report		24	28JAN02A	04APR02
01907	Submit Draft Report (w/ analytical)	YES	0		04APR02
01908	Revise Draft Report		65	05APR02	08JUL02
01909	Submit Final Report	YES	0		08JUL02
Site #2					
01913	Fieldwork		0	13NOV01A	13FEB02A
01914	Lab Analysis/Data Validation		29	14FEB02A	11APR02
01915	Prepare Report		37	14FEB02A	23APR02
01917	Submit Draft Report (w/ analytical)	YES	0		23APR02
01918	Revise Draft Report		65	24APR02	25JUL02
01919	Submit Final Report	YES	0		25JUL02
Site #3					
01923	Fieldwork		9	20DEC01A	14MAR02
01924	Lab Analysis/Data Validation		40	15MAR02	09MAY02
01925	Prepare Report		48	15MAR02	21MAY02



Project Start 29FEB00
Project Finish 14AUG06
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Early Bar
Progress Bar

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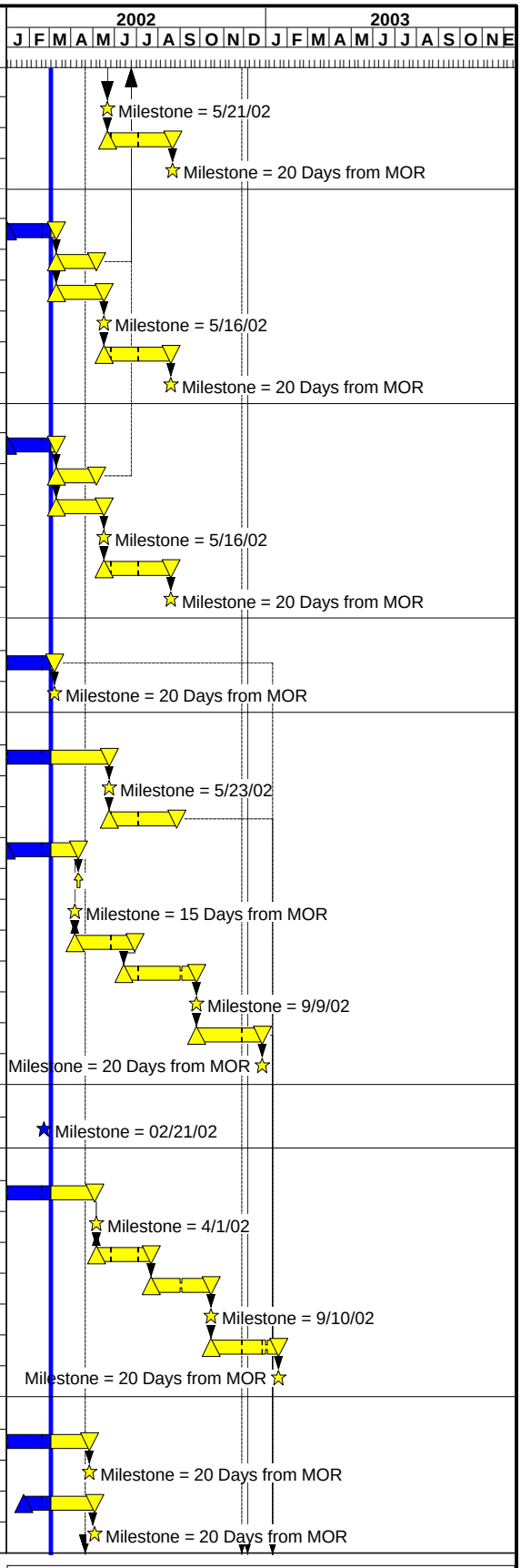
Date	Revision	Checked	Approved

Figure 9. Combined Schedule for the Impact Area GW Study Program as of 3/4/02

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Site #3					
01927	Submit Draft Report (w/ analytical)	YES	0		21MAY02
01928	Revise Draft Report		65	22MAY02	22AUG02
01929	Submit Final Report	YES	0		22AUG02
Site #4					
01933	Fieldwork		6	31DEC01A	11MAR02
01934	Lab Analysis/Data Validation		40	12MAR02	06MAY02
01935	Prepare Report		48	12MAR02	16MAY02
01937	Submit Draft Report (w/ analytical)	YES	0		16MAY02
01938	Revise Draft Report		65	17MAY02	19AUG02
01939	Submit Final Report	YES	0		19AUG02
Site #5					
01943	Fieldwork		6	31DEC01A	11MAR02
01944	Lab Analysis/Data Validation		40	12MAR02	06MAY02
01945	Prepare Report		48	12MAR02	16MAY02
01947	Submit Draft Report (w/ analytical)	YES	0		16MAY02
01948	Revise Draft Report		65	17MAY02	19AUG02
01949	Submit Final Report	YES	0		19AUG02
J-2 Range					
00397	J-2 Range Revise Draft Report		5	04DEC01A	08MAR02
00398	J-2 Range Final Report	YES	0		08MAR02
J-1/J-3 Range					
00495	Additional Delineation Report Prep.		59	12NOV01A	23MAY02
00496	Additional Delineation Draft Report	YES	0		23MAY02
00497	Additional Delineation Rev. Draft Report		65	24MAY02	26AUG02
00482	Revise Draft ADWP #2		29	26DEC01A	11APR02
00483	Submit Final ADWP #2		0		11APR02
00484	Start J-1/J-3/L Addn'l Delineation	YES	0	05APR02	
00485	Additional Delineation Investigation		60	05APR02	28JUN02
00486	J1/J3/L Range Draft Final Rep. Prep.		70	14JUN02	23SEP02
00487	J1/J3/L Range Draft Final Report	YES	0		23SEP02
00488	Revise J1/J3/L Range Draft Final Rep.		65	24SEP02	24DEC02
00489	J1/J3/L Range Final Report	YES	0		24DEC02
Gun/Mortar Positions					
00566	Submit G/M Draft ACWP	YES	0		21FEB02A
Training Areas					
00860	Training Areas Background		45	20MAR00A	03MAY02
00862	Start Training Areas Fieldwork	YES	0	06MAY02	
00864	Training Areas Fieldwork		54	06MAY02	22JUL02
00870	Training Areas Report Preparation		60	23JUL02	15OCT02
00880	Submit Training Areas Draft Report	YES	0		15OCT02
00890	Training Areas Rev. Draft Report		65	16OCT02	17JAN03
00895	Training Areas Final Report	YES	0		17JAN03
Phase II(b)					
01560	Revise Draft Report		40	20AUG01A	26APR02
01570	Phase II(b) Final Report	YES	0		26APR02
01576	Revise Draft Report		44	24JAN02A	02MAY02
01578	Former A/K/Demo 2 Final Report	YES	0		02MAY02



Project Start 29FEB00
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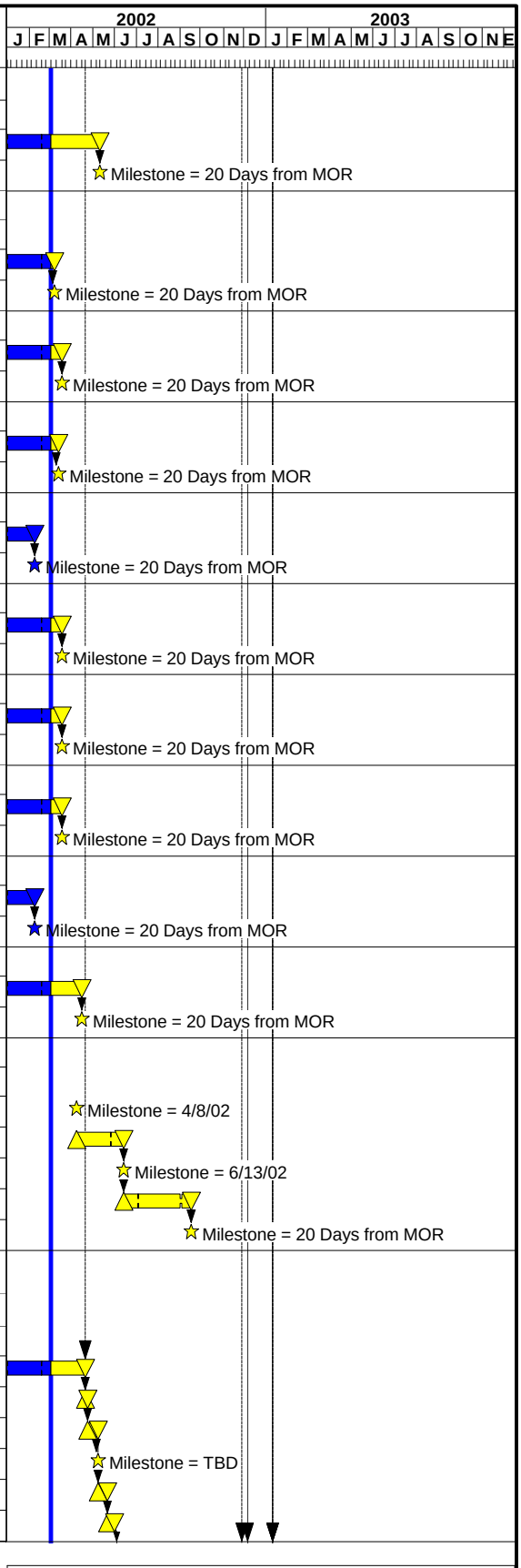
Date	Revision	Checked	Approved

Figure 9. Combined Schedule for the Impact Area GW Study Program as of 3/4/02

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Munition Survey Project					
MSP Phase I					
01625	Revise Revised MSP Phase I Draft		50	04SEP01A	10MAY02
01630	Submit MSP Phase I Final Report	YES	0		10MAY02
MSP Phase II					
AirMag Target Lists					
01708	Revise Draft Report		4	06NOV01A	07MAR02
01709	Submit Final Report	YES	0		07MAR02
Demo 1 Validation					
01718	Revise Draft Report		12	22OCT01A	19MAR02
01719	Submit Final Report	YES	0		19MAR02
Slit Trench Validation					
01728	Revise Draft Report		7	07NOV01A	12MAR02
01729	Submit Final Report	YES	0		12MAR02
J1 Range Vehicle Removal					
01738	Revise Draft Report		0	04OCT01A	08FEB02A
01739	Submit Final Report	YES	0		08FEB02A
ASP Geophysics					
01748	Revise Draft Report		12	26OCT01A	19MAR02
01749	Submit Final Report	YES	0		19MAR02
Former K Range					
01758	Revise Draft Report		12	05NOV01A	19MAR02
01759	Submit Final Report	YES	0		19MAR02
Former A Range					
01768	Revise Draft Report		12	20NOV01A	19MAR02
01769	Submit Final Report	YES	0		19MAR02
Succonsette Pond					
01778	Revise Draft Report		0	24OCT01A	08FEB02A
01779	Submit Final Report	YES	0		08FEB02A
Demo Area 2					
01788	Revise Draft Report		32	06DEC01A	16APR02
01789	Submit Final Report	YES	0		16APR02
MSP Phase III					
CIA MSP Sites #1 and #2					
01794	Complete Fieldwork	YES	0		08APR02
01795	Prepare Report		47	09APR02	13JUN02
01797	Submit Draft Report	YES	0		13JUN02
01798	Revise Draft Report		65	14JUN02	16SEP02
01799	Submit Final Report	YES	0		16SEP02
Feasibility Studies (AO3)					
Demo Area 1					
Soil Operable Unit					
21190	Revise Draft FS Screening Report		35	22JUN01A	19APR02
21191	Coordination Meeting		1	22APR02	22APR02
21192	Final Revisions Demo 1 FSSR		11	23APR02	07MAY02
21193	Submit Draft Final Demo 1 FSSR	YES	0		07MAY02
21194	Agency Review & Comment		11	08MAY02	22MAY02
21195	Guard Prepare/Submit RCL		5	23MAY02	30MAY02



J F M A M J J A S O N D J F M A M J J A S O N E
2002
2003

Project Start 29FEB00
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Figure 9. Combined Schedule for the Impact Area GW Study Program as of 3/4/02

DRAFT			
Date	Revision	Checked	Approved

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Soil Operable Unit					
21196	Resolution Meeting (if needed)		1	04JUN02	04JUN02
21197	Guard Prepare/Submit MOR (if needed)		6	05JUN02	12JUN02
21198	EPA Approve MOR (if needed)		5	13JUN02	19JUN02
21199	Guard Prepare Final FSSR (if needed)		20	20JUN02	18JUL02
21200	Final FS Screening Report	YES	0		18JUL02
21230	Revise Draft PSI Workplan		24	11JAN02A	04APR02
21240	Final Post-Screening Workplan		0		04APR02
21250	Start Post-Screening Investigation	YES	0	18MAR02	
21260	Post-Screening Investigation		80	18MAR02	09JUL02
21270	FS Scoping Meeting		1	18JUN02	18JUN02
21310	FS Preparation		40	10JUL02	04SEP02
21320	Draft FS	YES	0		04SEP02
21330	Revise Draft FS		65	05SEP02	05DEC02
21340	Final FS	YES	0		05DEC02
Groundwater Operable Unit					
21670	Revise Draft FS		190	02OCT01A	27NOV02
21675	Draft Final FS	YES	0		27NOV02
21678	Revise Draft Final FS		65	29NOV02	04MAR03
21680	Final FS	YES	0		04MAR03
Central Impact Area					
Soil Operable Unit					
22110	FS Screening Report Preparation		60	12SEP02	05DEC02
22112	Scoping Meeting for FSSR		1	11SEP02	11SEP02
22120	Draft FS Screening Report	YES	0		05DEC02
22130	Revise Draft FS Screening Report		65	06DEC02	11MAR03
22140	Final FS Screening Report	YES	0		11MAR03
22150	Post-Screening Invest. Workplan Prep.		22	05MAR03	03APR03
22160	Draft Post-Screening Invest. Workplan	YES	0		03APR03
22170	Revise Draft PSI Workplan		65	04APR03	07JUL03
22180	Final Post-Screening Workplan		0		07JUL03
22190	Start Post-Screening Investigation	YES	0	09JUN03	
22200	Post-Screening Investigation		80	09JUN03	30SEP03
22202	FS Scoping Meeting		1	10SEP03	10SEP03
22210	FS Preparation		40	01OCT03	25NOV03
22220	Draft FS	YES	0		25NOV03
22230	Revise Draft FS		65	26NOV03	01MAR04
22240	Final FS	YES	0		01MAR04
22250	(Draft FS if no PSI)		40	11FEB03	08APR03
22260	(Final FS if no PSI)		65	09APR03	10JUL03
Groundwater Operable Unit					
22390	Post-Screening Investigation		85	21SEP01A	01JUL02
22391	FS Scoping Meeting		1	11JUN02	11JUN02
22392	Draft Pump Test Report		0		01JUL02
22394	Review/Approve Pump Test Report		15	02JUL02	23JUL02
22400	FS Preparation		69	24JUL02	29OCT02
22410	Draft FS	YES	0		29OCT02
22420	Revise Draft FS		65	30OCT02	31JAN03

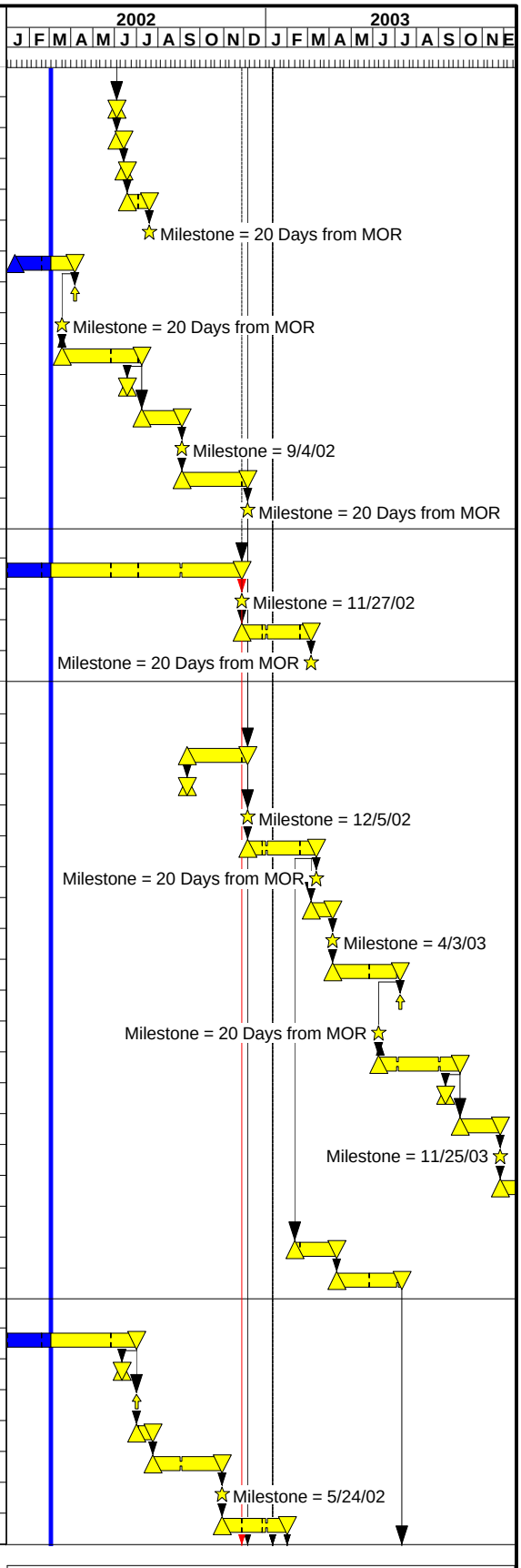

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Figure 9. Combined Schedule for the Impact Area GW Study Program as of 3/4/02

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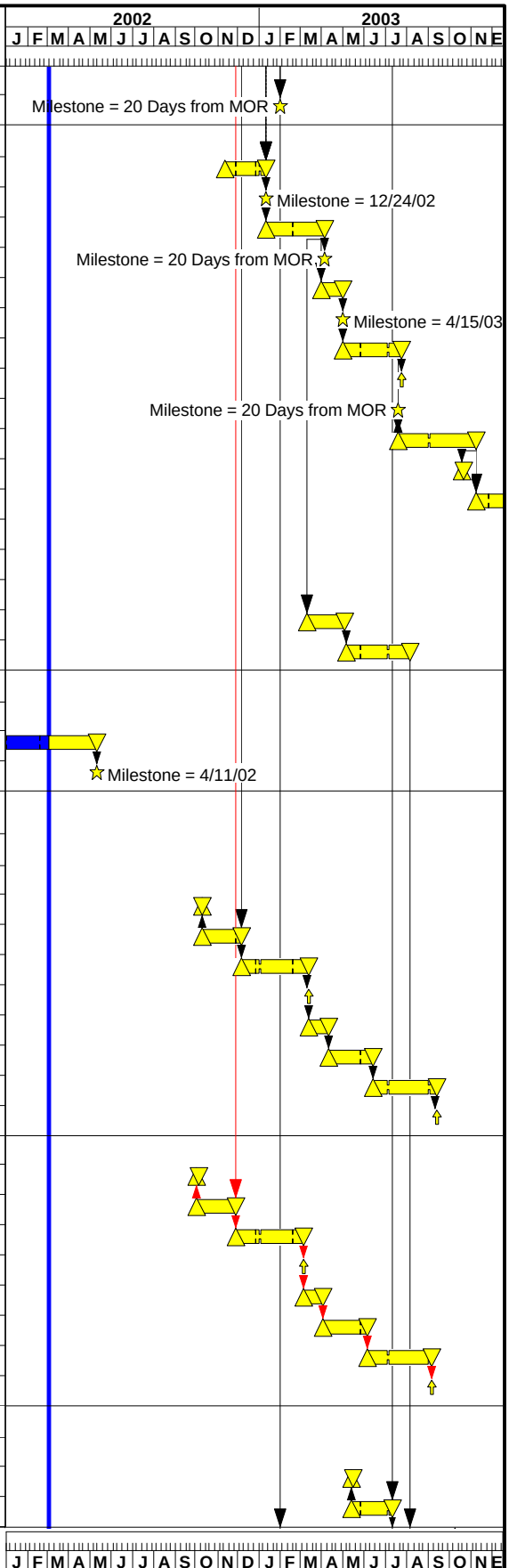
Date	Revision	Checked	Approved

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Groundwater Operable Unit					
22430	Final FS	YES	0		31JAN03
SE Corner of Ranges					
23110	FS Screening Report Preparation		40	12NOV02	09JAN03
23120	Draft FS Screening Report	YES	0		09JAN03
23130	Revise Draft FS Screening Report		60	10JAN03	04APR03
23140	Final FS Screening Report	YES	0		04APR03
23150	Post-Screening Invest. Workplan Prep.		22	31MAR03	29APR03
23160	Draft Post-Screening Invest. Workplan	YES	0		29APR03
23170	Revise Draft PSI Workplan		60	30APR03	24JUL03
23180	Final Post-Screening Workplan		0		24JUL03
23190	Start Post-Screening Investigation	YES	0	18JUL03	
23200	Post-Screening Investigation		80	18JUL03	07NOV03
23202	FS Scoping Meeting		1	20OCT03	20OCT03
23210	FS Preparation		40	10NOV03	07JAN04
23220	Draft FS	YES	0		07JAN04
23230	Revise Draft FS		60	08JAN04	01APR04
23240	Final FS	YES	0		01APR04
23250	(Draft FS if no PSI)		40	10MAR03	02MAY03
23260	(Final FS if no PSI)		65	05MAY03	05AUG03
UXO					
UXO Operable Unit					
24130	Revise Draft FS Screening Report		50	21MAR01A	10MAY02
24140	Final FS Screening Report	YES	0		10MAY02
Remedy Selection (AO3)					
Demo Area 1					
Soil Operable Unit					
31105	Soil RS Plan Scoping Meeting		1	10OCT02	10OCT02
31110	Prepare Draft Remedy Selection Plan		40	10OCT02	05DEC02
31120	Revise Draft Remedy Selection Plan		65	06DEC02	11MAR03
31130	Remedy Selection Plan		0		11MAR03
31140	Public Comment Period		21	12MAR03	09APR03
31150	Draft Decision Doc/ Response		44	10APR03	11JUN03
31160	Revise Draft DD/RS		65	12JUN03	12SEP03
31170	Final Decision Doc/ Response		0		12SEP03
Groundwater Operable Unit					
31505	GW RS Plan Scoping Meeting		1	03OCT02*	03OCT02
31510	Prepare Draft Remedy Selection Plan		40	03OCT02	27NOV02
31520	Revise Draft Remedy Selection Plan		65	29NOV02	04MAR03
31530	Remedy Selection Plan		0		04MAR03
31540	Public Comment Period		21	05MAR03	02APR03
31550	Draft Decision Doc/ Response		44	03APR03	04JUN03
31560	Revise Draft DD/RS		65	05JUN03	05SEP03
31570	Final Decision Doc/ Response		0		05SEP03
Central Impact Area					
Soil Operable Unit (if no PSI)					
32105	Soil RS Plan Scoping Meeting		1	14MAY03	14MAY03
32110	Prepare Draft Remedy Selection Plan		40	14MAY03	10JUL03



Project Start 29FEB00
Project Finish 14AUG06
Data Date 04MAR02
Run Date 04MAR02

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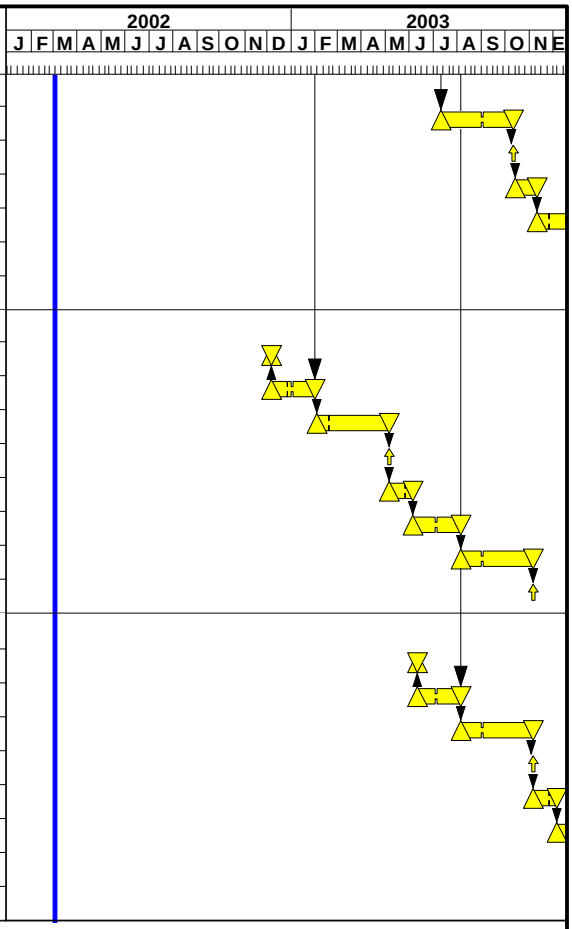
Figure 9. Combined Schedule for the Impact Area GW Study Program as of 3/4/02

DRAFT

Date	Revision	Checked	Approved

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Soil Operable Unit (if no PSI)					
32120	Revise Draft Remedy Selection Plan		65	11JUL03	10OCT03
32130	Remedy Selection Plan		0		10OCT03
32140	Public Comment Period		21	13OCT03	10NOV03
32150	Draft Decision Doc/ Response		44	11NOV03	14JAN04
32160	Revise Draft DD/RS		65	15JAN04	15APR04
32170	Final Decision Doc/ Response		0		15APR04
Groundwater Operable Unit					
32505	GW RS Plan Scoping Meeting		1	05DEC02	05DEC02
32510	Prepare Draft Remedy Selection Plan		40	05DEC02	31JAN03
32520	Revise Draft Remedy Selection Plan		65	03FEB03	05MAY03
32530	Remedy Selection Plan		0		05MAY03
32540	Public Comment Period		21	06MAY03	04JUN03
32550	Draft Decision Doc/ Response		44	05JUN03	06AUG03
32560	Revise Draft DD/RS		65	07AUG03	06NOV03
32570	Final Decision Doc/ Response		0		06NOV03
SE Corner of Ranges (if no PSI)					
33105	RS Plan Scoping Meeting		1	10JUN03	10JUN03
33110	Prepare Draft Remedy Selection Plan		40	10JUN03	05AUG03
33120	Revise Draft Remedy Selection Plan		65	06AUG03	05NOV03
33130	Remedy Selection Plan		0		05NOV03
33140	Public Comment Period		21	06NOV03	05DEC03
33150	Draft Decision Doc/ Response		44	08DEC03	09FEB04
33160	Revise Draft DD/RS		65	10FEB04	11MAY04
33170	Final Decision Doc/ Response		0		11MAY04



J F M A M J J A S O N D J F M A M J J A S O N E
2002
2003

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Run Date 04MAR02

Early Bar
Progress Bar

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Figure 9. Combined Schedule for the Impact Area GW Study Program as of 3/4/02

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