MONTHLY PROGRESS REPORT #62
FOR MAY 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 May 1 to May 31, 2002. Scheduled actions are for the six-week period ending July 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 May is summarized in Table 1.

Table 1. Drilling progress for May 2002

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-212	Central Impact Area (CIAP-13)	368	160	308-318, 333-343
MW-213	Central Impact Area (CIAP-26)	246	197	133-143, 89-99, 77-82
MW-214	Demo Area 1 (D1P-11)	290	202	198-208, 165-175, 140-150
MW-215	Former K Range (J2P-16)	275	169	240-250, 205-215, 104-114
MW-216	Containment Pad (RRAP-1)	370	162	253-263, 236-246, 199-209
MW-217	Snake Pond (J3P-24)	168	162	148-153, 138-143, 101-106, 68-73
MW-218	Snake Pond (J3P-25)	180	174	
MW-219	Base Water Supply 4 (WS4P-1)	250	63	
MW-220	Central Impact Area (CIAP-11)	309	181	
MW-221	Demo Area 1 (D1P-12)	343	198	216-226, 178-188, 156-166
MW-222	Central Impact Area (CIAP-23)	303	188	240-250, 185-195
MW-223	Central Impact Area (CIAP-25)	100	8	
MW-224	Central Impact Area (CIAP-12)	190	68	
02-07	Bourne monitoring well	151	119	47-57, 107-117, 137-147
02-15	Bourne monitoring well	164	114	125-135, 101-111, 81-91

bgs = below ground surface
bwt = below water table

Completed well installation on MW-212 (CIAP-13), MW-213 (CIAP-26), MW-214 (D1P-11), MW-215 (J2P-16), MW-216 (RRAP-1), MW-217 (J3P-24), MW-221 (D1P-12), MW-222 (CIAP-23) and Bourne wells 02-07 and 02-15. Completed drilling of MW-218 (J3P-25) and MW-220 (CIAP-11), commenced drilling of MW-219 (WS4P-1), MW-223 (CIAP-23) and MW-224 (CIAP-12). Continued well development for newly installed wells.

Samples collected during the reporting period are summarized in Table 2. Groundwater profile samples were collected from wells MW-215, MW-216, MW-217, MW-218, MW-219, MW-220, MW-221, MW-222, MW-223, and MW-224. Groundwater samples were collected from the Bourne water supply wells, far field wells, test wells, sentry wells and monitoring wells and

artesian spring and as part of a pump test of Base Water Supply Well 4. Groundwater samples were collected as part of the April Long Term Groundwater Monitoring round. Groundwater samples were collected from a residential well near Snake Pond. Water samples were collected from the GAC treatment system Water samples were collected from water in a former septic tank in the J-3 Range. Surface water samples were collected from Snake Pond.

Soil samples were collected from gun and mortar firing positions, the Former F Range, and Cleared Area 12 as part of the Gun and Mortar Firing Positions Additional Characterization soil sampling. Soil samples were collected from the J-1, J-3 and L Ranges as part of the J-1/J-3/L Additional Delineation soil sampling. Soil samples were collected from the N Range as part of the Supplemental Phase IIb soil sampling. Soil samples were collected from Central Impact Area targets as part of the Central Impact Area supplemental target sampling. Soil cuttings samples were collected from soil piles at recently installed monitoring wells. Post-detonation soil samples and supplemental soil samples were collected from the Central Impact Area.

As part of the Munitions Survey Project, pre-detonation and post-detonation soil samples were collected from the J-2 Range. Soil samples were collected from J-2 Range Polygons and from the J-2 Range as part of a corrosion study. Samples were also collected of a waxy-like material uncovered in Polygon 6A in the J-2 Range.

The Guard, EPA, and MADEP had a meeting on May 2 to discuss technical issues, including the following:

Punchlist Items

#3 Provide summary of RAD results for MW-181 (AMEC). Summary write-up provided by email. Hard copies distributed at meeting.

#4 Provide all test results from chemical monitoring wells for WS-1, -2, -3 (JPO). LTC FitzPatrick (MAARNG) indicated that wells were sampled 2 to 3 weeks ago. JPO to provide results to Ben Gregson (IAGWSPO) as soon as available.

#8 Provide Perchlorate sampling results from Range Control's new well (AMEC). Results were non detect. Table of results for wells sampled (so far) as part of the Central Impact Area Perchlorate Sampling Plan will be provided tomorrow via email.

#9 Coordinate split samples from IRP's Snake Pond Beaches' drive point samples. (AMEC). AMEC is setting up to sample with Jacobs on a biweekly schedule, beginning in mid-May. Splits will be analyzed for explosives and perchlorate.

ASR Witness Update

MAJ Myer (IAGWSPO) led the discussion on the ASR interview schedule. A list of remaining interviewee's prioritized by the private investigator was distributed to the agencies.

- MAJ Myer explained that the list compiled and prioritized by the private investigator was being provided to the agencies so that the Guard, agencies, and the Corps could discuss the prioritization together as a team. Although the private investigator had highlighted (with shading) what he considered to be the important interviewee's, the Guard did not agree with all his selections. The Guard was not interested in conducting interviews with those personnel with general knowledge of Camp Edwards. Examples of interviews that the Guard felt would not be very productive were those with: an ex-Textron truck driver who transported explosives, an ex-base employee who worked at the Salvage yard and similar former employees without any apparent specific knowledge of investigation areas. The Guard did feel that interviews with people with specific information such as knowledge of the ASP, BOMARC facility, J-2 Range burial sites were good candidates and should be prioritized.

- Todd Borci (EPA) requested that the Navy contacts that he specified in an earlier email be included within the current scope of work. MAJ Myer to discuss with Mr. Borci by phone after the meeting.
- Conference call set up for Wednesday May 8, 2002 @9am to discuss prioritization. EPA requested that the Guard have their prioritized list ready for the conference call.

Munitions Survey Project Update

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

HUTA2. Karen Wilson (IAGWSPO) is providing oversite of site restoration activities at Transects 2,3,4.

J Range Polygons. Crews are working at J-2 Range Polygon 2, Anomaly M. More than 1000, 20mm projectiles have been uncovered from the 10 ft by 12 ft by 4 ft excavation. Investigation of the A, F, I, L anomalies is completed. Anomalies E and B have been covered with polyethylene sheeting and sandbagged, to be revisited once Health and Safety related issues have been addressed. Some results have been received for soil samples collected at Anomaly E. Analytical results for the whitish material uncovered in Anomaly B indicate that it is amosite (one type of asbestos fiber). Excavation (40 ft by 15 ft by 7 ft) of J-2 Range Polygon 6A is also ongoing. Mr. Foti indicated that installation of the three, J-2 Range wells, slated for early June, may be delayed due to the large effort to complete the excavation at Polygon 2 and may even be constrained by excavation activities at Polygon 6. Todd Borci wondered if enough was already known about the extent of Polygon 2 to pause excavation activities to allow for the well drilling and installation. Mike Jasinski (EPA) suggested that the SE corner of the polygon (Anomalies U and T) be cleared prior to installing wells. All parties agreed to complete excavation of Anomaly M, then continue with excavation of SE corner of Polygon 2, and revisit options/schedule in a couple weeks.

Other Areas - Eastern Test Site dig maps to be discussed as separate agenda item. Grubbing to be conducted at U Range on Friday 5/03. Surveyors to be on-site next week. The geophysical investigation of Demo 1 is complete. Internal draft of dig maps will be available Friday 5/03, to agencies possibly by 5/06. Conference call to be scheduled early next week to discuss picks. Corps to send email with data and recommendations.

BIPs - 10 items that were found in J-2 Range Polygons 32 and 33 as follows are scheduled to be BIPed Friday, 5/03:

6, 66MM HEAT Rocket M412 BD Fuzes (1 attached to rocket motor)
1, 66MM HEAT Rocket Warhead with M412 BD Fuze
3, 66MM HEAT Rocket Motors with M412 BD Fuze

Eastern Test Site Anomaly Picks

Doug Lam (Tetra Tech) presented the processed EM61 survey data for the Eastern Test Site. Contoured anomaly maps were projected as part of the presentation.

- The EM61 survey was completed along lines spaced 1 meter apart, with data collected every 0.2 meters along each line. The gridding algorithm was used at 0.2 m, 0.5 m, and 1 m node spacings to produce three separate contour maps. The objective of the survey was to look for munition burial areas.
- The Eastern Test Site is characterized by heavy cratering and several mounds. The mounds were highlighted on the dig maps with a white outline. The mounds partially contain pieces of automotive and other scrap. Surface scrap metal clearance was completed prior to the survey. However, because the area vegetation was only cleared to a two-foot height, heavy equipment was not mobilized to clear the larger scrap material.

- Dependent on the grid spacing, the number of individual anomalies displayed by the processing software varied. At 0.2 m node spacing, there were 2980 anomalies; at 0.5 m node spacing, 1077 anomalies; and at 1 m node spacing, 362 anomalies. Tetra Tech considers the 1 m spacing to be the most useful for developing picks.
- Most of the anomalies appeared to represent 100lbs or less of metal within 2 feet of ground surface, or what would be characteristic of a single munition round.
- Tetra Tech selected 8 anomalies, which based on the decay rate of metallic objects, appeared to be more massive than the anomalies that they did not pick. The selected anomalies included one at the reported former location of an observation tower.
- MAJ Myer inquired as to the EPA's expectations for further investigation once the excavations of agreed upon picks was completed. Todd Borci indicated that chemical testing might be invoked under certain conditions as specified in the Workplan, otherwise if no burial areas were uncovered, the area would be folded into the rest of the Central Impact Area investigation.

Central Impact Area Update

Jay Clausen (AMEC) provided an update on the Central Impact Area Column Study Test.

- Influent concentrations for the column test ranged from 2-4 ppb perchlorate (field colorimetric method), 7-8 ppb RDX, and <1 ppb HMX.
- Effluent concentrations for 36 hours showed no breakthrough of explosives. 72 hour explosive sample results and all perchlorate results are due from the laboratory next week. The field colorimetric method indicated that there was no breakthrough of perchlorate during the test.
- A summary report will be provided following the receipt of the laboratory data.
- Based on the information received to date, AMEC will likely recommend going ahead with the pump test.

Perchlorate Sampling Plan

Jay Clausen (AMEC) outlined the Guard's general site-wide approach to characterizing Perchlorate in groundwater.

Current Activities

1. EPA Approval of Additional Laboratory Capacity Using STL-Savannah. Additional lab capacity is desperately needed to implement expanding Perchlorate analysis program. Todd Borci indicated that comments regarding QA improvements he forwarded on 5/01 needed to be addressed prior to the approval of the laboratory. STL-Savannah is currently working on resolving these issues.
2. Supplemental Analysis of Bourne Samples Using ARA Perchlorate Methods. Alternative methods are being evaluated for use in verifying the 314 Method, particularly for profile samples that typically have interferents.
3. Implementation of Central Impact Area Perchlorate Sampling Plan. Groundwater sampling proposed in plan is 50% complete. Remaining groundwater sampling to be adsorbed into Long Term Groundwater Monitoring Program. Soil sampling to be completed in the next couple months.
4. Identification of Wells to be Sampled for Perchlorate Site-Wide. The Guard is evaluating the status of available data and identifying data gaps in perchlorate distribution relative to existing wells (prioritized as follows) : LTGM Wells, Wells Upgradient of WS-4, Sentry/Sentinel Wells, Camp Edwards Perimeter Wells, Wells in Obvious Source Areas. A map was distributed that shows all MMR wells in the AMEC database coded to indicate wells that have never been

sampled for perchlorate, wells that are proposed to be sampled under previous scopes but for which no data is yet available at the 0.35 MDL, wells that have data at the 0.35 MDL and wells which have data at a higher MDL, but are not currently scoped to be resampled. This map to be used as a planning tool to select additional wells for sampling. Mike Jasinski (EPA) stated that all screens at locations MW-21, MW-46, MW-47, MW-69 should be included in the additional sampling.

5. Update GW Model with Bourne Specific Information. The model needs to be updated with hydrogeologic data being collected now, so that accurate information on contaminant migration can be developed. Updating and calibration of model will take approximately 60 days to complete the steps as follows: Collect well chemical data not just profile results, revise bedrock surface, collect synoptic water-level measurements, develop two models and compare (1993 vs. 2002), recalibrate if necessary

6. Collect Soil Samples (127 locations). Soil sampling programs have been proposed for perchlorate characterization in several potential source areas including Demo 1, Central Impact Area, U Range, Gun and Mortar, J1, J2, and J3 Ranges. All samples will be collected in the next two months.

7. Installation and Profiling of RRA-1 (Containment Pad well) for Perchlorate. To be completed in next 2 weeks. Profiling to be completed to 200 ft. Todd Borci requested that this well also be profiled for VOCs because of diesel odor in the area detected during a site walk. Ben Gregson (IAGWSPO) to consider this request.

8. Tritium/Helium Age Dating of Groundwater. Dating the water from the Bourne area should help pinpoint the date and therefore possible origin of Perchlorate in the water. This information can also be useful in calibrating the regional groundwater model. The USGS has selected 30 well screens for the dating. 10 wells to be sampled next week. Heather Sullivan (ACE) to identify which wells are to be sampled next week and the turn-around-time for the analysis. Mike Jasinski requested that MW-80M1 and MW-213 be added to the list of ten for immediate dating. MW-80M1 was recommended because this well had the first and most consistent detections of perchlorate at approximately 2 ppb. Ms. Sullivan indicated that because this well has a 10-foot (not 5 foot) screen, it is not on USGS's list. Mr. Clausen explained that the ten-foot screens were too wide to provide an accurate/useful age date. Mr. Jasinski to speak with Denis LeBlanc (USGS) regarding the utility of age-dating water from a ten-foot screen.

<u>Planned Activities (prioritized as follows)</u>

9. Sample Wells Identified in Step 4

10. Run particle tracks on all perchlorate detections. Use model revised in Step 5 for Bourne area detections, Use J Range Sub regional Model for J Range detections, and Use Regional Model for all other detections.

11. Identify Need and Location for Additional Monitoring Wells

12. Conduct Additional Soil Sampling, as necessary.

- Todd Borci commented that he felt the Guard also needed to consider immediately scoping three wells to identify the source of perchlorate in the Bourne well field. At least one well (located approximately 1000 feet along the existing particle track from MW-80M1) could be drilled while the regional groundwater model was being revised to avoid delays in characterizing this problem. Mr. Borci reasoned that the model revisions would not change the direction of the particle backtracks, only the distance of the backtrack. Therefore, any well within 1000 feet along the current backtrack would likely intersect the upgradient perchlorate plume. The investigation of the perchlorate source at the Bourne well field needed to be addressed separately from the site-wide analysis of perchlorate extent and sources.
- Ben Gregson (EPA) explained that it was the Guard's reasoning that the source of the groundwater contamination in Bourne is approximately 30 years upgradient. Perchlorate has already been detected in the Bourne well field. Sixty days (time to update the model) is not

too long to wait to get accurate information on which to base further investigatory work to identify the source of the perchlorate. Sixty days will have little impact on contaminant concentrations in the Bourne-area groundwater.

- Mark Panni (MADEP) suggested that the Guard scope an additional well, while recalibrating the model, and then use the revised model and data from the new well to scope additional wells.
- Mr. Gregson indicated that the Guard/Corps/AMEC would confer on an appropriate approach for identifying the perchlorate source to the Bourne wellfield, including considering scoping of one to three wells. To be discussed further as an agenda item at the 5/09 Tech meeting.

Bourne Area Update

John Rice (AMEC) provided an update on the Bourne area investigation.

- Explosive results for finished water samples that were collected from the Bourne Water District distribution lines have been reported. Perchlorate results were due yesterday 5/01, but have not been received yet.
- One distribution sample had a detection of 2,6-DNT at 0.28 ppb. A SIM analysis is being completed on the remaining sample volume to evaluate if this detection is a false positive. There is no promulgated drinking water standard for 2,6-DNT, however the DWEL is 40 ppb and the Region IX PRG (10^{-6} cancer risk) is 0.05 ppb.
- Mike Jasinski requested a table that shows various Bourne area wells with sampling frequencies. Mr. Jasinski also requested that Haley and Ward's comments on the Bourne area cross-sections be forwarded to the Guard, so that the cross-sections can be revised and sent to the IART Team.
- Len Pinaud (MADEP) reported that Jeff Rose (MADEP Water Supply) asked that the finished water in the distribution lines not be sampled for explosives, once the 2,6-DNT detection is evaluated. Analysis should be limited to perchlorate. Ralph Marks (BWD) concurred.
- One sentry well location northeast of WS-4 had been agreed upon by all parties; an ROA is in the process of being completed for this well. A second suitable sentry well location is still being scoped.
- Ralph Marks indicated that the Pump Test of WS-4 was starting. The Bourne Water District (BWD) requested help with sampling the pump test effluent daily at 7 pm during the week that the 12-hour daily pumping portion of the test is being conducted.
- Ralph Marks further stated that today's Tech meeting would be the last in which the Bourne Water District would participate. The BWD would be focusing on getting the water main for WS-4 hooked up so that this well could be added to the distribution system. Mr. Marks was concerned that if WS-4 did not prove to be satisfactory for use, the connection to the Sandwich system would not provide enough water for the summer season. The BWD was looking to the Guard for remediation and restoration of the well field, as opposed to investigation of the area, which seemed to be the primary focus of activity to date. Although none of the Bourne Water Supply wells had detects of perchlorate in the last 3 sampling rounds (last 3 weeks), in accordance with the wishes of Bourne citizens, the BWD would not pump the Bourne wells if perchlorate was in the area of the well field. The BWD expected to use the well field again once wellhead treatment for perchlorate was arranged.

J-1, J-3, L Ranges Plume Maps

Herb Colby (AMEC) fielded comments on the revised J-1, J-3, L Range Plume maps and cross sections (separate RDX, HMX, Perchlorate maps) that had been distributed to the Tech team at the 4/25 Tech meeting. Cross-sections to accompany the plan-view perchlorate plume map were also distributed.

- Mike Jasinski indicated that data (which was listed in an accompanying table) from several wells was missing from the RDX map including 90WT0008, 90WT0010, LRWS6-1, MW-12, MW-152, MW-169, MW-192, MW-28, and SMR-4. Some of these wells may not be in the frame of the map, but some were on the HMX map. Some wells were not labeled, such as MW-6, which was on the edge of the map. In addition, the data indicated that wells MW-142, 90MP0059, and 90MW0101A should be coded red (detects of RDX) rather then green (non detects).
- Mr. Colby indicated that some wells had had early or singular detects of RDX and then were non detect in subsequent sampling rounds. These wells were coded green based on the premise that the maps should reflect the current groundwater quality, not what it may have been at one time. Considerable discussion ensued on this point. Dave Hill (IAGWSPO) reasoned that since these maps were being developed for the investigation stage of the project, the maps should depict any detection in a well, regardless of the number of the detections. The plume boundaries, however, could be drawn interpretatively, such that any one detection in a well may not be included within a plume. All parties generally agreed with this approach.
- Considerable discussion then ensued on whether isolated wells with explosive detects (i.e. surrounded by wells without detects or gaps in well coverage) should be depicted simply with red dots (signifying a detection) or also encircled with a yellow-infilled, dashed line indicating a plume boundary. Mike Jasinski noted inconsistencies, such as encircling the detection at 90MW0054 with a plume, but not encircling the detections at other singular wells such as 90MW0034 and MW-130. This issue applied to all three maps. Mr. Colby indicated that the different ways of dealing with singular detections was based on the strength of the detections and whether data was available from any surrounding wells. Mr. Borci's opinion was that all the singular detections should be encircled by plume boundaries. Len Pinaud (DEP) expressed the feeling that it was inappropriate, and inconsistent with AFCEE conventions, to draw mini-plume boundaries around isolated well detections, but that they should be instead depicted as red dots. Mr. Borci relented to the concurrence of most parties. Isolated wells with explosive detections will not be drawn as plumes unless and until detections occur at adjacent well sites such that the contamination is reasonably interpreted to be contiguous between the sites.
- Todd Borci requested that MW-198 be more central in the RDX plume, similar to how it was depicted on the perchlorate plume map. Mr. Colby concurred.
- Mike Jasinski requested that the Guard be consistent with the IRP program in the way that the plumes are depicted underneath a pond. The IRP procedure is to dash the lines in the pond with a fill-in color as a darker, but same shade as the pond itself. The yellow or "land" plume color would show up in the pond in an area of upwelling only.
- Mike Jasinski also requested that the MDL for a non detect (below what concentration) be shown on the map. A range could be used if the MDLs varied.
- For the HMX map, Mike Jasinski requested that the well numbers be checked and that all the wells coded as green be labeled.
- Todd Borci requested that TNT and associated breakdown products be added to the HMX map. MAJ Myer (IAGWSPO) indicated that a separate map would be drafted for TNT instead.

- For the Perchlorate map, Mike Jasinski, in addition to previous comments related to consistency of representing singular detections as a plume or red dot, requested that the cross-sections use the same rose-color to depict the perchlorate plume as was used in the plan view map. In addition, at least one detection of perchlorate was seen in wells MW-125, MW-127 and MW-128 and the maps should show these locations as detections.
- Mr. Jasinski also requested that the cross sections show historic detections in a range. At a minimum, the data for those wells with a history of singular or early detections, followed by multiple non detects should be posted on the cross section with the latest data.
- Ed Wise (ACE) pointed out that Cross-Section 4-17c was a North-South orientation not a West-East orientation as labeled on the map.

IART Agenda

The agenda for the May 28 IART (to be convened at the Quashnet Valley Country Club, Mashpee) was set as follows:

6:00pm Meeting Minute Approval, Review Agenda
6:15pm Review Action Items
6:30pm Late Breaking News (Handout A)
6:35pm Investigation Update (Handout B) to include Bourne Update, J Range Polygons Update. (Include copies of J-2 Polygon 2 ground-based geophysical map and overall anomaly map for J Ranges).
7:35pm Break
7:45pm SE Corner of the Ranges (Handout C). Groundwater discussion.
8:30pm Open Discussion/Other Issues
8:50pm Agenda Planning/Action Items
9:00pm Adjourn

Miscellaneous

- John Rice (AMEC) indicated that the schedule for all installed 200 series wells was emailed yesterday 5/01; to be resent.
- MW-206 has not been developed due to exclusion zones. MW-209 has been developed and will be sampled this week.
- LTGM Plan Comment Resolution Meeting by conference call next week, possibly 5/6. Heather Sullivan (ACE) to arrange.

The Guard, EPA, and MADEP had a meeting on May 9 to discuss technical issues, including the following:

Tritium/Helium Age Dating of Groundwater

Denis LeBlanc (USGS) reviewed USGS's groundwater age-dating effort and fielded questions on the usefulness of attempting to date groundwater collected from MW-80M1.

- Tritium/Helium age dating is used to track a package of water in the subsurface. Tritium decays to Helium over time. The ratio of Tritium to Helium within a package of groundwater that entered the aquifer at the same time will reflect its age. From these ratios, age contours can be drawn for the groundwater that are reasonably horizontal with time. The packages of groundwater of the same age tend to compress (become narrower) with time. In terms of samples collected for analysis, the ideal sample interval is a point. The longer a well screen, the more blending of water from various ages occurs. Age-dating a 10-foot screen may be meaningless and as a rule the USGS does not use screens of this length for

age-dating analysis. Low flow sampling really isn't effective in keeping the groundwater from blending or to sample a smaller interval within a long screen.

- To answer the question if the MW-80M1 could be age-dated, Mr. LeBlanc needed to review the well log and elevation data. Jay Clausen (AMEC) indicated that preliminary modeling suggested that the water is 35 to 70 years old. Mr. LeBlanc explained that beyond 40 years the accuracy of the age dating breaks down. Accurate age dating takes about 6 months, but an estimated age with larger error bar could be generated more quickly. Mr. LeBlanc further emphasized that a profile of age dates is much more useful than singular age dates.
- Dave Hill (IAGWSPO) to provide email of pertinent information to Mr. LeBlanc and questions to consider. Mr. LeBlanc to review data and decide if age date from MW-80M1 screen would provide useful information or suggest alternative ways of providing a quick, but useful age-date relative (with error bar) to the detection at MW-80M1 and decide if the age dating would provide any better information then would be supplied by the model. Mr. LeBlanc to respond by 5/16 next week. AMEC to plot 25 wells selected by Don Walter (USGS) on a map for distribution to the agencies.
- Heather Sullivan (ACE) distributed a table listing Guard well's that had been installed with 5-foot long well screens.

Punchlist Items

#8 Provide table of sampling frequency for Bourne wells (AMEC). Table provided by email. Hard copies distributed at meeting.

#9 Scope WS4P-2 well upgradient of WS-4 (ACE). Original location is relatively inaccessible with both natural and cultural resource issues. Mark Panni (DEP) to talk to Jeff Rose (DEP Water Supply) about placing the well on Frank Perkins or another road in the vicinity. Heather Sullivan (ACE) to provide map with proposed location to Mr. Panni.

#10 Provide comments from Haley and Ward on Bourne Cross sections (Guard). No comments received from Haley and Ward. All comments from all parties to be provided to Guard by Wednesday May 15, so that cross-sections can be included in IART mailing on May 17. Map showing Zones of Contributions of Bourne wells distributed.

#11 Arrange for USGS to explain Age Dating of GW (Guard). Agenda Item.

Munitions Survey Project Update

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

HUTA2. Restoration activities completed. Karen Wilson (IAGWSPO) to review.

J Range Polygons. Crews are working at J-2 Range. Excavation of Polygon 6A was completed (50ft long X 15ft wide X 8ft deep); the crew is moving on to Polygon 6B. Polygon 2, Anomaly M was completed. This crew has moved on to Anomaly T. When Anomaly T is finished, the crew will start on Anomaly U. Analytical results were received for samples collected in Polygon 2E, where a minor exposure to workers may have occurred. The results showed elevated metals, one detection of nitroglycerin, no significant VOC or SVOC detections. The Health and Safety Plan is under revision to account for unknown chemicals and asbestos, which could be encountered during excavation. Field personnel are working in Level D PPE. The Corps is reviewing reporting/disposal requirements for less than 1 cubic ft of asbestos encountered at Polygon 2B. Todd Borci (EPA) requested information on what samples were being collected, how the samples were being collected and the type of field instruments that were being used.

U Range - Surveying and grubbing is being conducted at U Range.

Demo 1 Area - Geophysics was completed on SE side (EM61) and north and west, 15 meters off of perimeter road (100% Schonstedt). EPA approved 5 anomaly picks to north on conference call on 5/08. Anomaly maps based on EM61 data were distributed. Conference call scheduled at 4 pm today to discuss picks for excavation in remaining areas based on EM61 data.

Central Impact Area Update

Jay Clausen (AMEC) and John Rice (AMEC) provided updates on the Central Impact Area investigation.

- Still waiting on perchlorate data for pump test, all explosive data was non detect.
- Bill Gallagher (IAGWSPO) indicated that the Guard would probably suggest a conference call to discuss data and go ahead for the pump test once data is received. If decision is made to go ahead with the pump test via conference call, Guard to email proposal to agencies, agencies to respond with approval by email to provide documentation of their concurrence.
- Drill rig is being set up on CIAP-23. UXO clearance of CIAP-24 will be completed this week, this will open up sites for CIAP-11, -12, and -24 to drill. To commence drilling CIAP-11 next. MW-206 may be developed next week.
- Central Impact Area plume shell map to be updated in 3 weeks.

Massachusetts Contingency Plan Update

Bill Gallagher (IAGWSPO) led the discussion on MCP integration and coordination issues. The Guard is waiting on several Release Tracking Numbers (RTNs) from MADEP. Mark Panni (MADEP) will seek to expedite the assignment of Release Tracking Numbers. Previous report submittals have not referenced RTNs because they have not been assigned.

Phase IIb Supplemental Workplan - should have been considered a Phase II Scope of Work for B and D Ranges. At Len Pinaud's (MADEP) suggestion, Guard to submit cover letter explaining what parts of plan are a Phase II Scope of Work, referencing report and including transmittal forms.

Central Impact Area Ecological Risk Workplan - Guard is waiting to proceed based on the approach approved for Demo Area 1. MADEP indicated that the comments on the Draft Environmental Risk Characterization Report, Demo 1 OU were coming as soon as Monday 5/13. Major comments were not expected. Mike Jasinski (EPA) indicated that EPA might have substantive comments to consider. Comments expected by next week. Based on these promised comment dates, the scoping meeting for Central Impact Area EcoRisk could be scheduled for 5/23.

COWR RRA/RAM - The RRA COWR will be considered a RAM status report. Final disposition of the soil has not been determined. The most likely option is that the soil will be shipped out of state for disposal. Completion of this activity will close out 5 RTNs. Gina Tyo (ACE) indicated that the Corps was assessing the disposal options to deal with all on-site soil that needs to be disposed (including 1200 cubic yards from the HUTA). Dave Hill (IAGWSPO) to provide an update on soil disposition in 2 weeks.

J-1/J-3/L Range - This report will primarily function as a data distribution; no comments will be solicited from MADEP. It should be considered an interim deliverable. The subsequent report will be a Phase II submittal.

Miscellaneous Issues - The Guard is still working with MADEP on other, larger issues including a letter regarding compliance of the Community Involvement Program, how DEP will manage the Camp Edward site, Tier classification for the site and RTNs.

Bourne Area Update

John Rice (AMEC) provided an update on the Bourne area investigation.

- Wells are being installed at MW-213 and 02-15. 02-07 is being developed. Monthly Bourne groundwater sampling is being completed. An ROA for WS4-P1 has been submitted.
- Todd Borci inquired about any actions that were being taken in response to the detection of perchlorate in 02-13: 0.97 ppb in M2 and 0.46 ppb in M1. Perchlorate had not been detected in profile results. Bill Gallagher indicated that the Bourne Water District (BWD) and Haley and Ward were aware of these detections and the BWD plans to continue to use Bourne Water Supply Well #01G located further to the west until they could not.
- Scoped wells 02-14 and 02-06 are being deferred because of issues with Conscom, also in light of recent results these locations are of questionable use. 02-11 is also still on hold.
- Bill Gallagher indicated that the Guard is concerned about the profile data, since the perchlorate analysis has not been as reliable as the explosive analysis has been in the past. Therefore, the Guard is proposing to hold on further well installation in the Bourne area until the results from the currently installed wells are received and evaluated. Wells 02-07, 02-15 and MW-213 are still outstanding. Results should be available in a couple weeks.
- Todd Borci suggested that the Guard may want to propose that the frequency of explosive analysis be dropped for the Bourne well field samples, since there have been no validated detections to date. Marc Grant (AMEC) also requested that the quick turn-around on the monthly samples be extended to a 1 week TAT, so that lab can keep up with analysis of the more important Production Well samples. Guard to send request to MADEP, MADEP Water Supply, and EPA.
- Mr. Grant also requested that data reporting be reduced from daily to weekly, except for unusual detections, now that a set of base data had been established. Mike Jasinski (EPA) cautioned that reporting needed to conform to Notification Protocol 3. However, all parties generally agreed that weekly reporting, except for exceptional data, should now be adequate. Bill Gallagher to confirm this agreement with BWD representatives.

Perchlorate Sampling Plan

Bill Gallagher (IAGWSPO) outlined the Guard's approach to site-wide Perchlorate sampling and their response to EPA's request last week to begin immediately scoping wells for plume characterization upgradient of Bourne.

- A revised map was distributed that shows all MMR wells in the AMEC database coded to indicate wells that have never been sampled for perchlorate; wells that have data for perchlorate at the 0.35 ppb MDL; wells that have data for perchlorate at a higher MDL, but have not been proposed for additional sampling; and wells that have been proposed to be sampled for the first time for perchlorate analysis at the 0.35 ppb MDL, but this data is not yet available. Len Pinaud (MADEP) requested that the next revision of the map reflect where there have been detections of perchlorate above and below the EPA MMR Relevant Standard or MADEP Drinking Water Advise as appropriate. Mr. Pinaud also requested that the green and red colors be limited in use to only reflect above and below a standard. Mr. Pinaud further requested that the ranges be added for reference.
- In regard to EPAs request to scope additional monitoring wells upgradient of the Bourne well field, Mr. Gallagher stated that the Guard was not in agreement with EPAs request. The Guard's intent was to continue with the approach as proposed in the May 2 Tech meeting. This approach consists of waiting for the regional groundwater model to be updated (60 days), evaluate groundwater data currently be collected and analyzed base-wide, and propose plume characterization activities once this data was available and the model updated. Wells could be scoped as part of this process, but the locations would not be finalized. The Guard is not in disagreement regarding the need to install characterization wells, only in the timing of this effort. It was the Guard's reasoning that the source of the

groundwater contamination is approximately 30 years upgradient. Perchlorate has already been detected in the Bourne well field. Sixty days (time to update the model) is not too long to wait to get accurate information on which to base further investigatory work to identify the source of the perchlorate. The Guard would prefer to base particle backtracks on validated detections from well samples instead of profile results which have proven to be inconsistent. Sixty days will have little impact on contaminant concentrations in the Bourne-area groundwater. Therefore, the Guard does not view the installation of one well as a critical time path activity. In addition, the Guard heard from Ralph Marks (BWD) at the last Tech meeting that the BWD was not interested in the investigation activities, rather the BWD thought the priority should be placed on implementing well head treatment for the Supply Wells.

- Todd Borci (EPA) reiterated EPA's opinion that characterization activities upgradient of the Bourne well field should be a priority and be initiated as soon as possible. EPA's position was that a well be scoped immediately, and installed on an expedited basis (in about a month) to determine if higher concentrations of perchlorate exist upgradient of MW-80. This request was based upon validated, repeated, monitoring well data (not profile data). According to the Guard, waiting until the end of July for updated modeling would not change the requested first well location upgradient of MW-80 by more than +/- 200 feet to the north or south. Therefore, EPA requested that the Guard not wait to install the first investigatory well.
- Len Pinaud (MADEP) concurred that similar to EPA, MADEP's preference would be for the Guard to step out approximately 1000 feet from MW-80 and install a well on Wheelock Road in a preliminary characterization effort.
- Gina Tyo (ACE) indicated if that were the case, a previously scoped well would need to be swapped for this new Bourne well. "Scope growth" wells were likely already allotted to the Demo 1 Area plume boundary delineation effort. Corps to review currently scoped wells.
- Mr. Gallagher indicated that the Guard/Corps/AMEC would confer further on the approach and consideration of scoping one well. Options to be discussed with agencies by conference call on Monday, 5/13.
- Mr. Borci requested that sampling and analysis of monitoring well cluster MW-21 be added immediately to the current scope of sampling, as opposed to waiting for its inclusion in the site-wide Perchlorate Sampling Plan.

Demo 1 Area Groundwater

Mark Applebee (AMEC) reviewed the current status of plume delineation at the Demo Area 1. Tables of Summary Analytical Results and recent profile results, a Figure showing the draft tentative RDX and Perchlorate plumes with proposed well locations, and the proposed delineation schedule were distributed.

- Analytical results coming in from monitoring wells lateral to the plumes indicate that the Perchlorate plume is much wider than the explosives plume. Perchlorate analysis at MW-32S was added to the LTGM yesterday, based on detections of perchlorate at the deeper intervals.
- Profile results from three newly drilled wells, MW-210 west of Frank Perkins Road, MW-211 on Pew Road, and MW-214 on Frank Perkins Road, indicate that the explosive plume is tracking further south than originally modeled and that the toe of the explosive plume (non detect contour) lies just beyond Pew Road. Maximum perchlorate detections in profiles from MW-211 showed detections around 11 ppb.
- Based on this data, the following delineation strategy is proposed:
    - plumes are considered to be delineated to the south and north. Therefore, no further delineation is proposed north of MW-32 or south of MW-214 on Frank Perkins Road.

  - D1C-1 (south of MW-210) is proposed to be drilled (ROA approved) to get a handle on the center of the plume.
  - Locations D1P-13, -14, and -15 are proposed approximately 1300 feet west of Pew Road to characterize the plume toe. Well locations to be drilled can be accessed from an old road. Locations can be refined based on profile data from D1P-12 being drilled south of MW-211. All well locations are contingent upon approval of cultural and natural resources assessment for ROA.
- The approved delineation schedule will be impacted by the need for additional wells. The approved delineation schedule, which included installation of 4 wells, set a completion deadline of 7/09/02. The new schedule based on installation of 8 wells (4 additional wells) would require extension of the delineation deadline to 10/03/02. Mike Jasinski (EPA) reasoned that that would push out the Draft Groundwater FS to February or March 2003.
- EPA agreed that it was time to rethink the approach to managing the Demo 1 Groundwater Operable Unit. The EPA requested that the Guard develop an alternative approach by proposing an Interim Action, RRA or maybe in terms of separating the plume into separate Operable Units, bisected at Frank Perkins Road. This approach to be presented conceptually as an After Meeting as part of 5/16 Tech meeting.

Schedule and Documents

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

Documents Having Comments

Revised Demo 1 Soil Report (TM01-10) - EPA waiting on internal experts to respond to the Guard's question on the dye issue prior to MOR approval.

Workplan for AirMag Completion Investigation - CRM Scheduled for today, but EPA needs to postpone.

BA-1 Letter Report - Schedule CRM for 5/16.

HUTA Report - EPA requested resubmittal of the report by the end of June.

2002 LTGM - CRM by conference call later today.

Documents Needing Comments

MSP3 Deep Bottom Pond Work Plan - EPA reviewing, but not a priority for the Corps.

Revised BIP Sampling Plan - EPA requested that this plan be made an Appendix to the Munitions Management Plan. Comments to be prioritized.

Demo 1 Environmental Risk Characterization Report - EPA to prioritize comment on this document.

Extension Requests

Requests pending for Central Impact Area Groundwater FS and MSP Sites 1 & 2 and for Central Impact Area Soil Report.

- Todd Borci requested that Munitions Management Plan be tracked. Gina Tyo indicated that it was not tracked on the document list because the plan was an SOP that documented procedures that the Corps had been following all along. Mr. Borci further requested that the Munitions Management Plan not be presented at this month's SMB meeting until the EPA had time to comment on the plan. The EPA's concern was that procedures in the plan may violate the Order. Ms. Tyo indicated that the plan had undergone extensive review by the Guard's legal team and it was their opinion that the plan did not violate conditions of the Order.

IART Agenda and Action Items

Lori Bogdan reviewed the IART Agenda and Action Items.

- Demo 1 Area groundwater update added under investigations update.

- Action Item #1 change meeting(s) to meeting.
- Action Item #3 handouts and poster of IRP plume maps to be made available at IART meetings.
- Action Item #4 IART web address to be added.
- Action Item #5 AMEC to add information on dissolved oxygen readings.
- Action Item #7 ZOC map is in two JPO reports. JPO to be contacted to provide electronic version of map. Otherwise map to be reproduced from reports for distribution.
- Action Item #9 Incorporate response provided by DEP.
- Action Item #10 Incorporate DEP response.
- Action Item #12 (from previous meeting) Write-up on MW-181 Radioactivity results to be provided at meeting.
- To be included in mailing: Draft Cross sections and ZOC maps for Bourne
  Summary on Error bars - needs to be reviewed by EPA.

Miscellaneous

- Todd Borci reported that PZ209, 210 and 212 are proposed to be abandoned by AFCEE. Mr. Borci requested information on last time sampled, any detections, and whether the Guard was still sampling or proposing to sample these piezometers. Guard had previously requested that PZ211 not be abandoned.

The Guard, EPA, and MADEP had a meeting on May 16 to discuss technical issues, including the following:

Punchlist Items

#3 Provide test results for chemical monitoring wells for WS-1, 2, 3 (JPO). Still waiting on results. Len Pinaud (MADEP) to check with Jeff Rose (DEP Water Supply).

#4 Provide comments on CDC Emissions Report (EPA). Comments provided on 5/13.

#6 Provide alternative location of WS4-P2 (Corps/Guard) Figure showing proposed location south east of WS-4 along an old power line break was distributed. Scott Miller (Haley and Ward) and Jeff Rose (DEP Water Supply) are still discussing. Mr. Rose is in general agreement. Guard is looking for at least email approval of location from DEP Water Supply. Location to be discussed with Leo Yuskus (Haley and Ward) next week, prior to submitting an ROA.

#9 Collect comments on Bourne Cross sections (Guard). No comments received.

#11 Provide sampling/detection status for Snake Pond piezometers proposed for abandonment (AMEC). Information provided by email. These 3 piezometers have never been sampled for the IAGWSP. There were no objections to abandonment by interested parties.

#12 Provide email to USGS regarding Tritium/Helium age dating questions (AMEC). Information provided by email Friday, 5/10.

#13 Provide information on sampling at J-2 Range Polygons (Corps). Email with information forwarded this week. The Health and Safety Plan for polygon sampling activities is being updated. Corps is looking at Modified Level D sampling attire (cotton coveralls). No respiratory protection is proposed since there are no detections in the breathing zone based on air modeling. It was determined that the volume of particulates in the air would not reach a level high enough to reach occupational levels. Lead in soil is the primary concern. Workers will use MiniRams to monitor dust in breathing zone to determine if dust levels actually remain below these levels and will wet polygon excavation areas as needed.

#14 Provide status of development/sampling at MW-206 (AMEC). MW-206 is being developed this week. To be sampled next week as soon as allowable.

#15 Provide letter to EPA requesting changes in explosive analyses in Bourne area (AMEC). Letter to be provided next week.
#16 Add perchlorate analysis for MW-21 (AMEC). Groundwater samples were collected at MW-21 this week for Perchlorate analysis.
#17 Provide comments on J-3 Range MW-181 RAD summary (EPA/DEP). No comments provided. EPA indicated if EPA does not have comments by the end of the day it is OK to include the summary at the IART and in the upcoming J1J3L Ranges Report. MADEP indicated they had no comment.

Munitions Survey Project Update

Rob Foti (Corps) provided an update on the MSP3 tasks.
HUTA2. Restoration activities completed. Karen Wilson (IAGWSPO) to review. Ms. Wilson to monitor natural vegetation recovery through the growing season. Summary report of monitoring activity will be submitted at the end of the season.
J Range Polygons. Crews are working at J-2 Range. Polygon 2A, 2F, 2I, 2L, and 2M completed. Polygons 2E and 2B will be revisited. A crew is currently working at Polygon 2T. These eight polygons combined account for 1/3 of the area. Todd Borci (EPA) and Mike Jasinski (EPA) indicated that they were confident that the number of items discovered within Polygon 2 will be extensive, both in the northern and southern ends of the polygon, such that the proposed well locations downgradient of Polygon 2 should be installed where originally planned. Mr. Borci requested that the combined investigation schedule be reviewed to see how the monitoring wells could be installed prior to completion of the polygon excavation activities. A second crew is working at Polygon 6D. Polygons 6A, B, C have been completed. Polygon 6E needs to be revisited.

- Mr. Borci requested that for the IART presentation discussion of the J-2 Polygons, information on how many items were taken out, how many taken to the CDC and how many BIPed be provided. Mr. Borci also suggested that the Guard be prepared to address the options that they were considering for disposal of 20mm/40mm rounds that could not be moved.

Eastern MSP – Anomaly picks to be discussed as agenda item.
U Range - Grubbing is being conducted at U Range. Ellen Iorio (Corps) indicated that crews are recording the orientations of 35mm and 3.5-inch munitions in an effort to determine if their orientation is an affect of having been fired or range clearance. The orientations of the 35mm rounds in particular were haphazard and the documentation of the orientation was taking considerable time. Mr. Borci indicated that the 3.5-inch rounds were of primary concern and that such documentation could be discontinued after a determination can be made regarding whether the 3.5" rounds were fired or placed during range cleanup activities.
Demo 1 Area – Work completed Monday, 5/13.
BIPs – Five UXO items were destroyed in place on Thursday, 5/16:

4 – 66MM HEAT Projectiles with Unknown Fuzes
1 – 81MM Mortar, M374 Potential HE with M567 fuze

Eastern Test Site Anomaly Picks

Ellen Iorio (ACE) solicited input from the agencies regarding proposed locations for excavation (anomaly picks) at the Eastern Test Site.

- Todd Borci (EPA) asked why some anomalies which seemed to be as large (high signal strength) as other anomalies (that were picked) were not picked. Ms. Iorio explained that the anomalies could be viewed in 4 timegates. Timegate 1 was a quick signal that was sensitive to microfrag. Timegate 2 was a later return signal that would see small, shallow objects. Timegate 3 was a longer duration signal that could detect deeper, larger objects. Timegate 4 would detect even deeper or larger objects. Anomalies of different sizes could

appear similar at Timegate 2 or 3, but were differentiated at 4. The anomaly picks were selected mainly based on the Timegate 4 signal. Tetra tech also looked for unique signals. Doug Lam (Tetra tech) added that two of the largest anomalies in one of the berms were selected to check what was in the berms.

- Ms. Iorio indicated that the maps would be revised to show additional features. Mr. Lam to check on two anomalies specified by Mr. Borci as to why specifically they were not selected as picks. EPA to provide feedback next week by email or conference call.

Central Impact Area update

John Rice (AMEC) and Jay Clausen (AMEC) provided information on the status of the Central Impact Area investigation.

- Completed drilling CIAP-23 (MW-222) today. Commenced UXO clearance at CIAP-25.
- UXO clearance at CIAP-24 is estimated to take two weeks. The Guard would like to hold off on this clearance and begin to build roads for CIAP-11 and CIAP-12. Then install these wells and come back to CIAP-24 UXO clearance. Agencies concurred.
- Final (72 hour samples) sample analytical results collected during the column test were received from the laboratory. No explosives or perchlorate were detected. Perchlorate results for the 40hr and 52hr samples have yet to be received. But it is very unlikely that these samples will show detections of perchlorate, based on the 72hr sample results. Based on the column test results, the Guard would like to start the Pump test ASAP. The Guard to draft a letter to the agencies proposing that the pump test be approved. In the interim, issues involving acquisition of the GAC tanks and the outstanding data will likely be resolved.
- Major Myer (IAGWSPO) suggested that the schedule to be revised accordingly, as a nonintrusive window for the Central Impact Area needed to be identified to conduct the pump test. The Guard troops training schedule also needed to be considered. This training schedule, with unit names removed, will be provided to the agencies. Mr. Myer further proposed that Scheduling Issues/Update be added as a Tech meeting agenda item biweekly or on an as needed basis.

Bourne Area Update

John Rice (AMEC) provided an update on the Bourne area investigation. Bill Gallagher (IAGWSPO) and Jay Clausen (AMEC) provided information on the Guard's approach to characterization activities upgradient of the Monument Beach Wellfield.

- Newly installed monitoring wells are being developed and sampled.
- Screen selection for location RRAP-1 (MW-216) was completed yesterday, 5/15. Perchlorate was not detected in any of the profile samples. Because the screen intervals are deep, two Schedule 80 wells will be set in the original borehole and then a second borehole will be drilled for the shallowest screen interval.
- An outline of the Guard's proposed approach to delineate the source of perchlorate in the Monument Beach Well Field, consisting of 14 steps, was distributed.
- The proposed approach included immediately placing a monitoring well (BP-1) approximately 1000 ft east of MW-80 on the backward particle track intersection with Wheelock Road. The agencies agreed with this location and an ROA is being prepared. Two additional locations are being scoped. However, final locations will be based on the data received for BP-1.

- The Guard and agencies are in general agreement that the 3 outstanding proposed well locations (02-06, 02-11, 02-14) might not be needed. Although John Rice (AMEC) indicated that 02-11 may be needed to define the northern extent of perchlorate in the wellfield. Results have not yet been discussed with Leo Yuskus (Haley and Ward), who will be returning next week from vacation.
- Don Walter (USGS) indicated that the USGS will be evaluating how age dating can be used to assist the Guard in determining the origin of the perchlorate in the Bourne wellfield. A response letter to questions emailed on Friday 5/10 is forthcoming.
- A USGS SOP on decontamination procedures for the Grundfos pump that the USGS will be using collect age-dating samples is being reviewed by the Guard. SOP to be forwarded to the agencies.
- ARA is performing confirmatory perchlorate analysis (different analytical method than 314.0) on profile samples from RRA-1, Bourne Water Supply wells 3 and 4, and sentry well 97-5 – all wells that do not have or no longer have perchlorate detections. Profile and corresponding well screen samples from 02-13 and 02-15, for which the reported perchlorate results did not match, were also being analyzed by ARA. These results are expected in a couple weeks.
- Nick Iaiennaro (ACE) is checking into information on constituents in the solid rocket propellant utilized by the BOMARC missile and the disposition of expended/waste propellant (if any) at MMR. Mr. Borci offered to assist with this identification through a formal request from the EPA, if needed.
- Mr. Borci requested an update on actions pursuant to the diesel spill he identified near Range Control on a recent site walk. Ben Gregson (IAGWSPO) to check on progress.
- Heather Sullivan (ACE) to check on whether VOCs have been added to analytical suite for groundwater samples collected at RangeCon supply well.
- EPA and MADEP to review scoping document provided on Bourne Perchlorate Response Plan and provide comment. These comments to be incorporated in a formal Workplan for this scope. Mr. Borci indicated that additional soil sampling might be warranted.

Fish Hatchery Wells

Ben Gregson (IAGWSPO) indicated that it was the Guard's position that VOCs detected in the Fish Hatchery wells are from a source other than MMR. Analytical results to be provided to Ken Simmons (Dept of Fish and Wildlife). The Guard to request permission to sample these wells, as needed, in the future.

The following are the notes from the May 23, 2002 Technical Team meeting at the IAGWSPO:

Punchlist Items

#3 Provide test results for chemical monitoring wells for WS-1, 2, 3 (JPO). Still waiting on results. Len Pinaud (MADEP) to check with Jeff Rose (DEP Water Supply).

#6 Provide alternative location of WS4-P2 (Corps/Guard) Jeff Rose (DEP Water Supply) indicated that a location anywhere along the power line would be approved. John Rice (AMEC) had staked the location at the edge of the Kettle Hole, surveyed this coordinate, placed the location on a figure for agency and BWD approval. Guard is looking for at least email approval of location from DEP Water Supply. Bill Gallagher (IAGWSPO) to be discuss the location with Leo Yuskus (Haley and Ward) next week, prior to finalizing the location.

#13 Provide information on J-2 Polygons for IART dryrun (Corps). Some information discussed at dry run. Item to be kept on Punchlist until all information collected and provided to EPA.

#15 Provide letter to EPA requesting changes in explosive analyses in Bourne area (AMEC). Letter sent on 5/20/02. EPA comment requested that test well 1-88 be sampled weekly and that all water supply wells (even the supply wells that are shut down) have analysis placed on a 2-day TAT. Heather Sullivan (ACE) to modify letter accordingly and send to DEP Water Supply and the BWD for approval. Reporting is proposed to be weekly for monitoring/sentry well results and as available for water supply well results (both detects and/or non detects).

#17 Provide comments on J-3 Range MW-181 RAD summary (EPA/DEP). No comments provided. EPA will provide comment on the summary in the upcoming J1J3L Ranges Report. To be provided as a handout at the IART.

#18 Provide comments on Bourne Perchlorate Response Approach (EPA/MADEP). No written comments to be provided. EPA/MADEP will provide comment on the Workplan when submitted.

#19 Provide letter regarding Interim Actions at Demo 1 GW (ACE). Letter emailed on 5/21. Further discussion on Interim Action to be conducted at June 6 Tech meeting.

#22 Provide Final Comment of eastern Test Site Anomaly Picks (EPA/MADEP). EPA requested that one of two anomalies discussed last week be added as a pick for excavation.

#23 Provide Letter for EPA/MADEP approval for Central Impact Area Pump Test (ACE). Letter emailed 5/22. EPA to comment by Tuesday 5/28, MADEP to comment by Thursday 5/30.

#25 Provide status on researching BOMARC solid rocket fuel propellant - use, perchlorate content, disposal (ACE). Eleven sources contacted. No information yet. Nick Iaiennaro (ACE) still pursuing information.

#26 Provide status on diesel fuel spill near Range Control (Guard). April 24 memo from Nicole Brooks (MAARNG Hazardous Waste Coordinator) indicted that the spill was estimated to be 2 gallons of diesel fuel. 1 cubic yard of contaminated soil was removed.

#27 Provide documentation of VOC testing for Range Control Well (ACE). Testing to be documented in LTGM MOR.

Munitions Survey Project Update

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

J Range Polygons. Crews are working at J-2 Range. Polygon 2A, 2F, 2I, 2L, and 2M completed. Polygons 2E and 2B will be revisited. A crew is currently working at Polygon 2T. Polygon 2T excavation is approximately 22 ft by 19 ft by 7 ft deep. To date approximately 35,000 40MM rounds have been uncovered in 2T. Polygon 10 was completed this morning. This appears to have been a burial area; no ash was encountered. Excavation of Polygon 4 will be initiated today. Schedule of drilling at J-2 Range to be discussed next week.

Eastern Test Site – Excavations to be initiated after Central Impact Area pump test is completed.

U Range - Grubbing and surface clearance is being conducted at U Range. Larry Hudgins (Tetra tech) responded to a question from Todd Borci (EPA) after the meeting that the RDX detection in a recent post-detonation sample was from an 155 HE round loaded with Comp B. Mr. Borci inquired about sampling in Deep Bottom Pond while water levels were low. Ellen Iorio (ACE) indicated that the Corps is in the process of scoping this work to procure funds. Karen Wilson (IAGWSPO) indicated that an Archeological Survey will not be needed for the proposed area of investigation in the Pond.

Central Impact Area Update

John Rice (AMEC) provided information on the status of the Central Impact Area investigation.

- Currently drilling CIAP-11 (MW-220); setting screens at CIAP-23 (MW-222) and then moving on to CIAP-25. Finishing well installation at D1P-12 (MW-221) and then moving to CIAP-12.

Four drill rigs and a geoprobe unit will be deployed next week.

- All sample analytical results collected during the column test have been received from the laboratory. No explosives or perchlorate were detected.
- Central Impact Area Step Test is scheduled to begin June 12, pending receipt of approval from EPA/MADEP.
- Mike Jasinski (EPA) indicated that a schedule for the Central Impact Groundwater Feasibility Study should be provided by June 21 based on current expectations of when the groundwater plume will be delineated. Heather Sullivan (ACE) indicated that the schedule would be dictated by receipt of perchlorate results for Central Impact Area wells and the assumption that the existing monitoring well network would be adequate to delineate the extent of all COCs.

Bourne Area Update

John Rice (AMEC) provided an update on the Bourne area investigation.

- Drilling of WSP4-1 commenced on Wednesday 5/22. Newly installed monitoring wells are being developed. Sampling of all remaining wells may be completed as early as next week.
- Revised location map for WS4P-2 will be forwarded today. ROA for this well and BP-1 is being prepared.
- The next monthly sampling round in the Bourne well field will start the first week in June.
- Proposed drilling locations 02-06, 02-11, and 02-14 are still outstanding. The Guard has been waiting on final results from other area monitoring wells to make a final decision. Bill Gallagher (IAGWSPO) to discuss need for these wells with Leo Yuskus (Haley and Ward) when Mr. Gallagher returns next week.

Schedule and Documents

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

Documents Having Comments

Revised Demo 1 Soil Report (TM01-10) - EPA is expecting comments on dyes' issue in a day or so. This issue to be resolved prior to MOR approval.

Former A, K, Demo 2 Report- Awaiting MOR approval, this item is the Guard's second priority, since the approval impacts Workplan for Former A & K Ranges.

MSP2 Former K, Slit Trench and Former A Reports. These reports are awaiting MOR approval and (with the Deep Bottom Pond Workplan comments) are the Guard's third priority.

2002 LTGM – MOR expected to be submitted 5/31. Guard received letter from MADEP indicating that they had no comment on the plan.

Documents Needing Comments

MSP3 Deep Bottom Pond Work Plan - EPA comments pending; Guard's third priority.

Demo 1 Environmental Risk Characterization Report – Awaiting EPA/DEP comment. Guard considers the top priority. EPA/DEP comments likely to be forwarded today.

Miscellaneous

Corps is seeking access to two drilling locations at Snake Pond via personal property. The previous access agreement has expired and the property owner is away on an extended fishing trip. Ben Gregson (IAGWSPO) to speak to Mike Minior (AFCEE) regarding obtaining access to property from property owner when he returns.

The EPA convened a meeting of the Impact Area Review Team on May 28, 2002. The issues discussed included: updates on Bourne Water Supply, Demolition Area 1, and J-2 Range Polygons; Southeast Corner of the Ranges and the Total Environmental Restoration Contract Award.

The following are the notes from the May 30, 2002 Technical Team meeting at the IAGWSPO:

Punchlist Items

#3 Provide test results for chemical monitoring wells for WS-1, 2, 3 (JPO). LTC Fitzpatrick indicated that he was informed by Hap Gosner (E&RC) that they are still waiting on results. Len Pinaud (MADEP) indicated that Jeff Rose (DEP Water Supply) has not received information.

#5 Provide Updated Central Impact Area Plume Map (Corps/AMEC) Map distributed at meeting. To be discussed further on agenda.

#6 Provide response on practicality of age dating groundwater in Bourne area (USGS). USGS provided memo by email. Cost is $1800 per sample with a 3-6 month TAT. Dave Hill (IAGWSPO) indicated that the USGS has collected 22 of 25 samples that have been funded. Tech team agreed that two of the remaining three samples would be substituted as follows: one would be collected at MW-213M3 and one at MW-80M1. Mr. Hill indicated that he would confer with USGS later today on proceeding with these two samples/well screen locations.

#8 Provide information on J-2 Polygons for IART (Corps). Requested information was provided at May 28 IART meeting.

#10 Provide letter to DEP Water Supply and Bourne Water District requesting changes in explosive analyses in Bourne area (AMEC). Letter sent to DEP and BWD. BWD did not agree with elimination of VOC and explosives analyses and additionally requested that well 02-12 be added to those wells to be sampled and analyzed with a 2 day TAT. Otherwise, the BWD was in general agreement with the proposal. Tech team generally concurred that continued VOC monitoring was not within the scope of the IAGWSP. COL Bleakly (JPO) suggested that the Guard identify how many rounds of sampling results for explosive analysis were needed by the BWD before they felt sufficient characterization had been completed.

#13 Provide BWD comments on Bourne Perchlorate Response Approach (Guard). Bill Gallagher (IAGWSPO) indicated the Leo Yuskus (Haley and Ward) requested a separate biweekly meeting be held among BWD, MADEP Water Supply, Guard and selected contractors to discuss Monument Beach well field issues, with Mr. Gallagher to provide feedback to the weekly Tech meeting. Len Pinaud (MADEP) and Mike Jasinski (EPA) indicated that if remedial activities were to be discussed, the agencies' Remedial Project Managers needed to be present. Tina Dolen (IAGWSPO) to discuss matter with Ralph Marks (BWD) and coordinate with EPA/MADEP representatives. First biweekly meeting set for 3 pm, Monday June 3.

#15 Evaluate impact of Troop Training Schedule on fieldwork schedule (ACE). To be discussed as agenda item.

#16 Provide schedule to install wells downgradient of J-2 Range Polygon 2. (ACE). To be discussed as agenda item.

#19 Provide approval/reply for Central Impact Area Pump Test (EPA/MADEP). EPA provided conditional approval on 5/29. MADEP approved via email on 5/24.

#20 Provide analytical results from ARA perchlorate analysis (ACE). No results received.

#21 Provide status on researching BOMARC solid rocket fuel propellant - use, perchlorate content, disposal (ACE). Nick Iaiennaro (ACE) still pursuing information.

#24 Arrange access to Snake Pond-area property owner to install J3P-26 (Guard). Mike Minior (AFCEE) to arrange meeting with property owner when he returns from vacation.
#25 Provide comments on Demo 1 Soil EcoRisk Report (EPA). Comments forwarded on 5/28.
#26 Provide comments on Dye's issue relative to Demo 1 Soil report (TM01-10) (EPA). Comments provided with Conditional Approval of MOR on 5/29.

Archive Search Report Update

Carla Buriks (Tetra tech) provided an update on Archive Search activities.

- Witness interviewing has started up again. Funding has been obtained for 6 interviews; 14 additional interviews are in the process of being funded.
- Of the interviewee requests regarding the Gun and Mortar propellant bag burning/burial, 2 interviews have been scheduled for this week and 2 interviewee's declined due to failing health. As a substitution, one additional person who has experience with artillery firing at Camp Edwards will be proposed.
- Individuals included on the Navy Appendix F-29 list are being contacted. The private investigator is having trouble locating people on the list, but will continue to search.
- Conditional approval on the Revised Draft Archive Search Report was received on 5/22 from EPA. No major issues were identified; as a result the schedule may be accelerated for issuing the Draft Final Report.
- Len Pinaud (MADEP) indicated that any comments to be forwarded by MADEP would be minor.
- Project Note that was issued earlier in the year indicated that any new information received from follow-on interviews would be incorporated into an Appendix to the Draft Final. The information would not be incorporated into the area-specific descriptions. Interview summaries will, however, be broken down per area. Project Note to be forwarded to the project team with explanation of how the ASR process will move forward.

Munitions Survey Project Update

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

J Range Polygons. Crews are working at J-2 Range. Polygon 2T completed. Polygon 2Q excavation will be completed today, then crew will move to Polygon 2S. Second crew is finishing up J-2 Polygons 14, 15,16 – expected to be completed next week. Following completion of these Polygons the Tetra tech crew will vacate the J-2 Range and move to the J-1 and J-3 Ranges Polygons.

U Range - Grubbing and surface clearance is approximately 50% complete.

Field Schedule/Troop Training Impacts

Maria Pologruto (AMEC) provided a one-month look-ahead of the field schedule and potential conflicts.

Four drilling rigs are currently mobilized for well installation.

Week of June 10th - Wells to be drilled are J3P-17, D1P-13, BP-1, and J3P-18. Drilling of J3P-17 may conflict with MSP III work at J-3 Range. National Guard training activities in TNG Area A-3 need to be coordinated with drilling at D1P-13.

Week of June 24th – Wells to be drilled are J2P-12, -13, -14, and –15. Drilling activities have been coordinated with the MSP activities and no conflicts are anticipated. UXO clearance of well pads for these wells will commence next week.

Early July – Wells to be drilled are LP-10, J3P-21, WS4P-2, J1P-1. Drilling of J3P-21 and LP-10 may conflict with MSP work at J-3 Range.

Late July – Wells to be drilled are J1P-16, -17, -18, and CIAP-24.

- The schedule does not incorporate Demo 1 wells, which are to be prioritized.

- Proposed locations D1P-13, -14, -15 and J2P-12, -13, -14 have ROA approval. Mike Jasinski (EPA) requested a table showing proposed drilling locations versus status of ROAs. Karen Wilson (IAGWSPO) did not anticipate any ROA issues of outstanding well locations.
- Rob Foti (ACE) indicated that there were two issues related to troop training impacts.
- First issue was to define what areas would be occupied by bivouacking and how field activities could work around these encampments.
- Second issue involved use of B/C Ranges in July. Ammunition is only expected to be used on weekends. Therefore, the Corps will coordinate with Range Control on the possibility of working in the Central Impact Area during the week when live ammunition is not used during training.
- Additional scheduling issues to be brought up at Tech meeting as needed.

Natural and Cultural Resources

Karen Wilson (IAGWSPO) reviewed natural and cultural resource issues relative to proposed drilling and MSP3 activities.

Proposed Bourne well 02-06 – this well is located at a natural spring area in Bourne. The Conservation Commission does not favor placing a monitoring well in this recreational area. Dr. Sue Goodfellow (MAARNG) indicated that as a sensitive area, natural and cultural resource surveys would be needed for this location prior to approval of the ROA. This will be an approximate 45-60 day process. The Tech team generally concurred that this location is not needed for characterization activities in the Monument Beach Wellfield. Mike Jasinski suggested that information on cultural and natural resources sensitivity be forwarded to Leo Yuskus. Bill Gallagher to discuss need for well location with BWD.

Ponds - no cutting of vegetation or excavation is to be conducted within 100 feet of ponds. This issue can be revisited with Conservation Commission on a case-by-case basis if excavation is needed within this buffer zone.

- Deep Bottom Pond –Proposed work at Deep Bottom Pond is all right since the proposed work area is highly disturbed. However, activities outside this area need a different approach. In addition, Dr. Goodfellow has requested that the excavation areas be left open so that the stratigraphic profile can be reviewed.
- Ox Pond – There has been minimal disturbance in this pond, and it is a moderately culturally sensitive area. A geophysical survey consisting of a site reconnaissance with a magnetomer will be all right. If anomaly excavation is proposed, depending on the number and size of the proposed excavation, a cultural resources survey may be requested. Ms. Wilson indicated that hand clearance of the road to Ox Pond for access would be acceptable.
- Succonsette and Grassy Ponds – These are culturally sensitive areas that need to be discussed once ROAs are submitted.

Barrage Rocket Site – This suspected impact area north of J-3 Range is endangered species (particularly moth) habitat consisting of a dense scrub oak understory with open pitch pine canopy. 10 HE barrage rockets were discovered in this area. The current ROA that has been submitted includes the flush cutting of ten 30X30 meter grid areas totaling 2.2 acres. From the natural resources standpoint, disturbance of this habitat needs to be minimized.

Mike Jasinski recommended that the first phase of the Workplan, consisting of a detailed reconnaissance survey with magnetometer, be completed pending further discussion. The objective of this survey will be to identify the edges of the suspected impact area.

Other Areas – Field personnel need to be aware that a box turtle with transmitter lives in the N Range area. Investigations at the Hillside site need to be coordinated with Dr. Goodfellow who will be monitoring the activities. NBC and Former Demo sites need to be reviewed prior to commencing activities, since it has been proposed that the understory be cleared.

- Dr. Susan Goodfellow notified the Tech team that Project Notification Forms would be submitted to the Massachusetts Historical Commission for every action completed at the base. These forms are being submitted for all activities, even those in low sensitivity areas, because the sensitivity map for the area is rather broad-brush in scope. The Commission reserves a 30-day review period to comment. However, for the MMR project, proposed activities are often initiated within one week of submission of the forms. As a result, there is the potential that the Guard could not be responsive to the Commission's comment. In such cases, Dr. Goodfellow is uncertain as to what action the Commission would take.
- Dr. Goodfellow is in the process of updating/refining the Prehistoric and Historic Archeological Sensitivity Map for the base. Copies of the current map were distributed to the agencies and Guard.

Central Impact Area Update

John Rice/Jay Clausen (AMEC) provided information on the status of the Central Impact Area investigation.

- The pump test is scheduled for the week of June 17th. AMEC is working on response to the comments that EPA included with their conditional approval letter. A second set of comments, not contingent on the approval, will also be addressed.
- Step test to be completed on June 12th.
- Currently drilling CIAP-11 (MW-220); CIAP-12 (MW-224) and CIAP-25 (MW-223).
- Proposed locations CIAP-24 and CIAP-14 are outstanding. Tech team agreed that CIAP-14 is not a location that is still needed for characterization.
- Characterization of the Central Impact Area plume will be contingent upon completion of Perchlorate sampling and analysis. The majority of Central Impact Area wells will be sampled in the August LTGM round and sampling will not likely be completed until sometime in October. Therefore, the data will not be ready in December to start analysis and begin modeling. The Draft Groundwater FS will likely be submitted in the March/April 2003 timeframe. The Guard/Corps/AMEC are still working on the schedule that was requested by the EPA to be prepared by June 22. The Tech team concurred that any additional scooping of monitoring wells should be based on perchlorate results, as well as explosive results.
- An overview of wells to be sampled for Perchlorate in the Central Impact Area and existing data will be provided in the Site-Wide Perchlorate Sampling Plan. This plan to be provided prior to and discussed at the June 13 Tech meeting in two weeks.
- John Rice (AMEC) pointed out that a correction needed to be made on the current plume map that detection of RDX at MW-207 was above 10 ppb.
- Mike Jasinski inquired about the isolated detection at MW-205. John Rice indicated that drilling at proposed location J1P-16 would help determine if the MW-205 detection had an origin in the J-1 Range. Mr. Jasinski indicated that additional characterization pursuant to this detection may be needed contingent on the results at J1P-16.

Bourne Area Update

John Rice (AMEC) provided an update on the Bourne area investigation.

- Drilling well WSP4-1, upgradient of WSP-4.
- Groundwater sampling in the area continues.
- 02-10 is being developed.
- Tina Dolen (IAGWSPO) indicated that Tom Cambareri (Cape Cod Commission) requested that the Tech team evaluate the need for a monitoring well west of Bourne Water Supply Well 01G. Len Pinaud (MADEP) indicated that Ben Gregson (IAGWSPO) indicated that the Guard would be delineating the extent of the plume in this area. Tech team generally agreed that it was not a critical need to define perchlorate in groundwater west of Water

Supply Well 01G as long as Public Health was protected. This protection is afforded by scheduled monitoring of Monument Beach Supply Wells and upgradient monitoring wells.
- Ms. Dolen indicated that four private wells on Briarwood will be sampled. Three residential wells on Hersey Lane had been sampled in April; results show non detect for perchlorate.
- John Rice indicated that the WS4P-2 monitoring well location was approved by Jeff Rose (MADEP Water Supply) and a ROA can be prepared for this location.
- Bill Gallagher indicated that well 1-88a would be added to the weekly Bourne sampling event.

Miscellaneous
- Mike Jasinski (EPA) requested that an overall, comprehensive enforceable milestone schedule be discussed at the June 13th Tech meeting for all ongoing work activities. This information should be forwarded prior to the meeting. Bill Gallagher requested that the MCP deadlines be incorporated.

2. SUMMARY OF DATA RECEIVED

Validated data were received during May for Sample Delivery Groups (SDGs) AP853, CEI057, CEI058, CEI069, CEI075, CEI076, CEI078, CEI080, CEI081, CEI087, CEI090, CEI094, CEI098, CEI099, CEI100, CEI101, CEI108, CHP01, CMR054, CMR060, DMR012, MMR687, MMR703, MMR707, MMR709, MMR710, MMR712, MMR714, MMR715, MMR721, MMR723, MMR724, MMR725, MMR728, MMR731, MMR747, MMR749, MMR750, MMR751, MMR754, MMR757, MMR758, MMR759, MMR760, MMR761, MMR770, MMR781, MMR783, MMR784, MMR786, MMR789, MMR790, MMR792, MMR804, MMR817, MMR821, MOR057, NMR012, NMR013, NMR014, NMR015, NMR024, SMR024 and SMR025. These SDGs contain results for groundwater samples 4 crater grab samples; 1 crater grid sample, 1 gauze wipe sample from the J-3 Range; 384 groundwater samples from residential wells, supply wells, monitoring wells and drive points; 2 process water samples from the FS-12 treatment system, 156 profile samples from wells 02-01, 02-04, 02-07, 02-09, 02-12, 02-13, J2P-11, MW-144, MW-177, MW-178, MW-183, MW-184, MW-185, MW-186, MW-187, MW-188, MW-193, MW-195, MW-198, MW-200, MW-201, MW-203, and MW-204; 5 soil boring samples from borings B-31 and MW-189; 2 soil grab samples from the J1P-14 drill pad; 254 soil grid samples from the J-2, J-3, L, Current D, U, and Former H Ranges, Demo Area 1, Crane Management Areas 1 and 2, Deerhorn Hill, Four Ponds Conservation Area, and from Gravity Range post-detonation excavations; and 4 surface water samples from Snake Pond.

Validated Data

Figures 1 through 8 depict the cumulative results of groundwater analyses for the period from the start of the IAGS (July 1997) to the present. Each figure depicts results for a different analyte class:

- Figure 1 shows the results of explosive analyses by EPA Method 8330
- Figure 2 shows the results of inorganic analyses (collectively referred to as “metals”, though some analytes are not true metals) by methods E200.8, 300.0, 350.2M, 353M, 365.2, CYAN, IM40MB, and IM40HG
- Figure 3 shows the results of Volatile Organic Compound (VOC) analyses by methods OC21V, 504, and 8021W, exclusive of chloroform detections

- Figure 4 shows the results of Volatile Organic Compound (VOC) analyses by method OC21V, only detections of chloroform. This figure is updated and included semiannually in only in the January and 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 MMR Relevant Limit. A red circle is used to depict a well where the concentration of one or more analytes was greater than or equal to (GTE) the lowest MCL, HA, or EPA MMR Relevant Limit for the analyte(s). A yellow circle is used to depict a well where the concentration of all analytes was less than (LT) the lowest MCL, HA, or EPA MMR Relevant Limit. A green circle is used to depict a well where the given analytes were not detected. An open circle is used to depict an existing well where the analytes in question (for example, Explosives in Figure 1) have not yet been measured. Table 3 summarizes the detections that exceeded a MCL, HA, or EPA MMR Relevant Limit, sorted by analytical method and analyte, since 1997.

There are multiple labels listed for some wells in Figures 1-8, which indicate multiple well screens at different depths throughout the aquifer. The aquifer is approximately 200-300 feet thick in the study area. Well screens are positioned throughout this thickness based on various factors, including the results of groundwater profile samples, the geology, and projected locations of contaminants estimated by groundwater modeling. The screen labels are colored to indicate which of the depths had the chemical detected above MCLs/HAs/EPA Limit. Generally, groundwater entering the top of the aquifer will move deeper into the aquifer as it moves radially outward from the top of the water table mound. Light blue dashed lines in Figures 1-8 depict water table contours. Groundwater generally moves perpendicular to these contours, starting at the center of the 70-foot contour (the top of the mound) and moving radially outward. The rate of vertical groundwater flow deeper into the aquifer slows as groundwater moves away from the mound.

The results presented in Figures 1-8 are cumulative, which provides a historical perspective on the data rather than a depiction of current conditions. Any detection at a well that equals or exceeds the MCL/HA/EPA Limit results in the well having a red symbol, regardless of later detections at lower concentrations, or later non-detects. The difference between historical and current conditions varies according to the type of analytes. There are little or no differences between historical and current exceedances of drinking water criteria for Explosives, VOCs, Pesticides, and Herbicides; the minor differences are mentioned in the following paragraphs. There are significant differences between historical and current exceedances of drinking water criteria for Metals and SVOCs, as described further below. There is no historical data available for Perchlorate.

Figure 1: Explosives in Groundwater Compared to MCLs/HAs

For data validated in May 2002, two wells, 198M3, M4 (J-3 Range) had first time detections of hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) that were above the HA. Three wells, 41M1, 201M1 (Central Impact Area), and 193S (J-3 Range) had first time detections of RDX that were below the HA. Seven wells, 145S (Southeast of the Ranges), 181S, 193M1, 196S, 197M2 198M3 and M4 (J-3 Range) had first time detections of octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX) that were below the HA. One well, 196S (J-3 Range), had a first time detection of 2,4,6-trinitrotoluene (TNT) that was above the HA. Well 196S also had first time detections of 1,3,5-trinitrobenze, 4-amino-2,6-dinitrotoluene (4A-DNT), and 2-amino-4,6-dinitrotoluene (2A-DNT). Well 198M3 (J-3 Range) had a first time detection of MNX and well 19S (Demo Area 1) had a first time detection of 2,6-DNT.

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

- Demo Area 1 (wells 19, 31, 34, 73, 76, 77, and 114);
- Demo Area 2 (wells 16 and 160)
- the Impact Area and CS-19 (wells 58MW0001, 0002, 0009E, 0011D, 0016B, 0016C 0018B; and wells 1, 2, 23, 25, 37, 38, 40, 85, 86, 87, 88, 89, 90, 91, 93, 95, 98, 99, 100, 101, 105, 107, 111, 113, 184); and
- J Ranges and southeast of the J Ranges (wells 45, 58, 132, 147, 153, 163, 164, 165, 166, 171, 191, 196, 198 and wells 90MW0022, 90MW0054 and 90WT0013).

Exceedances of drinking water criteria were measured for 2,4,6-trinitrotoluene (TNT) at Demo Area 1 (wells 19S, 31S, 31M, and 31D) and Southeast of the Ranges (196S), and for hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) at all of the locations listed above except at MW-45 and MW-196. Exceedances of drinking water criteria were measured for 2,6-dinitrotoluene (2,6-DNT) at MW-45S. One of the exceedance wells, 90WT0013, has had no detectable RDX in the last seven validated 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 May 2002, five wells, 38D, 44S, 61S, (Central Impact Area), 84M3, D (Far Field) had first time validated detections of thallium above the MCL/HAs. Fifty-seven wells had first time detections of one or more metals below the MCL/HAs including 95-15C (Northwest of Central Impact Area), 3D, 28M2, 69S, 71S, M1, 140M1 (Central Impact Area), 142S, M2, M1, 143M2, M1, 144M2, 145M1, 146M1 147M3, M2, 153M1, 154S, M1, 155M2, M1, 157M3, D, 158S, M2, M1, 163S, 164M1, M2, 166M3, 168M2, M1, 170M3, M2, 181S, 188S, 193M1, S 194M1, 195S, 196S, M1, 197M1, M2, 198M1, M2, M3, M4, (Southeast of Ranges), 151S, (Herbert Road) 55M2 (Gibbs Road), 16S, 160S, 161S, (Demo Area 2) 174S (Former D Range), and 83M1, D (Far Field).

Exceedances of drinking water criteria for metals are scattered throughout the study area. Where two or more rounds of sampling data are available, the exceedances generally have not been replicated in consecutive sampling rounds. The exceedances have been measured for antimony, arsenic, cadmium, chromium, lead, molybdenum, sodium, thallium and zinc. Arsenic (in well 7M1), cadmium (52M3), and chromium (7M1) each had one exceedance in a single sampling round in August-September 1999. One of four lead exceedances (ASP well) was repeated in another sampling round and the remaining three lead exceedances (wells 2S, 7M1, and 45S) have not been repeated in previous or subsequent results. The Health Advisory for molybdenum was updated based on the most current state and federal Health Advisories from 10 ppb to 40 ppb. Two of the eight molybdenum exceedances were repeated in consecutive sampling rounds (wells 53M1 and 54S). All of the molybdenum exceedances have been observed in year 1998 and 1999 results. Six of the 17 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; four wells (144S, 145S, 148S and ASP) had exceedances in the year 2001 results, and one well (187D) had exceedances in year 2002 results. Zinc exceeded the HA in seven wells, all of which are constructed of galvanized (zinc-coated) steel.

None of the 12 antimony exceedances were repeated in consecutive sampling rounds, and only one exceedance (well 187D) was measured in year 2002 results. There have been few exceedances since the introduction of the new ICP method for antimony and thallium, discussed in the next paragraph. Eight of the 67 thallium exceedances were repeated in consecutive sampling rounds (wells 7M1, 7M2, 47M2, 52S, 52D, 54S, 54M1, and 94M2). Twenty-two wells (2D, 3D, 35S, 39M1, 45S, 46M1, 47M3, 47M2, 48M3, 48D, 49M3, 50M1, 52S, 54S, 56S, 56M3, 57M2, 58S, 64M1, 73S, 83S, and 127S) had thallium exceedances in the year 2000 results; nine wells (19S, 38D, 44S, 61S, 84M3, 84D, 94M2, 132S, and 150S) had thallium exceedances in the year 2001 results.

In May of 2001, the Guard added a new method to achieve lower detection limits for antimony and thallium. Groundwater samples sent for metals analysis are analyzed for most metals by Inductively Coupled Plasma (ICP) in accordance with the U.S. EPA Contract Laboratory Program Statement of Work ILM04.0. Antimony and thallium are also analyzed by graphite furnace atomic absorption (GFAA) in accordance with EPA Drinking Water Methods 202.4 (antimony) and 200.9(thallium). These additional methods achieve lower detection limits for

these two metals, both of which are subject to false positive results at trace levels by ICP as a result of interferences. These interferences do not affect the GFAA analysis.

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

Figure 3: VOCs in Groundwater Compared to MCLs/HAs

For data validated in May 2002, one well, 187D (J-1 Range), had a first time validated detection of tert-butyl methyl ether that exceeded the MCLs/HAs. Eight wells, 141S (Central Impact Area), 30S, 152M1, 157M2, 166M3, 188S, 197M2 (Southeast of Ranges), and 161S (Demo Area 2), had first time validated detections of various volatile organic compounds that did not exceed the MCLs/HAs.

Exceedances of drinking water criteria for VOCs are indicated in three general areas: CS-10 (wells 03MW0007A, 03MW0014A, and 03MW0020), LF-1 (well 27MW0017B), and FS-12 (wells MW-45S, 90MW0003, and ECMWSNP02D) and in the J-1 Range (MW-187D). CS-10, LF-1, and FS-12 are sites located near the southern extent of the Training Ranges that are currently under investigation by AFCEE under the Superfund program. Exceedances of drinking water criteria were measured for tetrachloroethylene (PCE) at CS-10, for vinyl chloride at LF-1, and for toluene, 1,2-dichloroethane, and ethylene dibromide (EDB) at FS-12. These compounds are believed to be associated with the sites under investigation by AFCEE. Detections of benzene, tert-butyl methyl ether, and chloromethane at J-1 Range well 187D are currently under investigation.

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 May 2002, ten wells, 144M2, 153M2, 168M2, 187D, 188S, 196M1, 197M1, M2 (Southeast of Ranges), 66S, and 67S (Northwest of Central Impact Area) had first time validated detections of various semi-volatile organic compounds. These detections did not exceed the MCL/HAs.

Exceedances of drinking water criteria for SVOCs are scattered throughout the study area. All exceedances of drinking water criteria for SVOCs were measured for bis (2-ethylhexyl) phthalate (BEHP), except for 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 explosives analysis of this sample by EPA Method 8330 did not detect this compound. The reporting limit under Method 8330 is much lower than the limit for the SVOC method. Well 41M1 was installed along the groundwater flow path downgradient from well 2M2, which has had RDX detected above the HA in the explosives analysis as indicated above. The 2,6-DNT detection at well 41M1 was in the second sampling round, and samples from this well did not have 2,6-DNT detected by either the SVOC method or the explosives method in the first, third, fourth, or fifth sampling rounds.

Figure 6: BEHP in Groundwater Compared to MCLs

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

A detailed discussion of the presence of BEHP is provided in the Draft Completion of Work Report (7/98) and subsequent responses to comments. The theory that BEHP mostly occurs as an artifact, and is not really present in the aquifer, is supported by the results of subsequent sampling rounds that show much lower levels of the chemical after additional precautions were taken to prevent cross-contamination during sample collection and analysis. Only four locations (out of 82) showed BEHP exceedances in consecutive sampling rounds: 28MW0106 (located near SD-5, a site under investigation by AFCEE), 58MW0006E (located at CS-19), and 90WT0013 (located at FS-12), and 146M1 (located at L Range). Subsequent sampling rounds at all these locations have had results below the MCL. Three wells (49S, 57M2, and 84D) have had a BEHP exceedance in the year 2000 results. Ten wells (28M1, 55D, 82D, 142M1, 142M2, 146M1, 157D, 158M2 168M1, and 168M2) have had a BEHP exceedance in the year 2001 results. One well (196M1) has had a BEHP exceedance in the year 2002 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 May 2002, two wells, 166M3, 197M2 (Southeast of Ranges), had first time validated detections of various pesticides. These detections did not exceed the MCLs/HAs.

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

There was one exceedance of drinking water criteria for herbicides, at well 41M1. This response well was installed downgradient of the Central Impact Area, as indicated above (see discussion for Figure 5). The exceedance was for the herbicide pentachlorophenol in a sample collected in May 2000. There were no detections 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 MMR Relevant Standard

For data validated in May 2002, two wells, 97-5 (Bourne) and 139M1 (Demo Area 1), had first time validated detections of perchlorate that exceeded the EPA MMR Relevant Standard of 1.5 ppb. Seven wells, TW00-7, 4036000-06G, 97-2 (Bourne), 81M2 (Far Field), 142M2, 197M2 (Southeast of Ranges), 39M2 (Central Impact Area), and one drive point, 0009 (Snake Pond), had first time validated detections of perchlorate that did not exceed the EPA MMR Relevant Standard.

Sampling and analysis of groundwater for perchlorate was initiated at the end of the year 2000 as part of the groundwater study program at Camp Edwards. EPA established the EPA MMR Relevant Standard for perchlorate of 1.5 parts per billion (ppb) specific to Camp Edwards. At present, there are 51 exceedances of the limit of 1.5 ppb for perchlorate.

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

- Demo Area 1 (wells 19, 31, 34, 35, 73, 75, 76, 77, 78, 114, 129, 139, 162, 165, and 172);
- Central Impact Area (wells 91, 93, 99, 100, 101, 105, and OW-1);
- J Ranges and southeast of the J Ranges (wells 125, 127, 128, 130, 132, 158, 163, 166, 193, 197 and 198 and wells 90MW0022 and 90MW0054); and
- Northwest of Impact Area (well 66).
- West of Impact Area (well 80 and 97-5)

Rush (Non-Validated) Data

Rush data are summarized in Table 4. These data are for analyses that are performed on a fast turnaround time, typically 1-5 days. Explosive analyses for monitoring wells, and explosive and VOC analyses for profile samples, are typically conducted in this timeframe. Other types of analyses may be rushed depending on the proposed use of the data. The rush data have not

yet been validated, but are provided as an indication of the most recent preliminary results. Table 4 summarizes only detects, and does not show samples with non-detects.

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

- Groundwater samples from Bourne water supply well 4036000-01G had a detection of 1,2,4-trichlorobenzene and chloromethane. This is the first time these compounds have been detected in this well.

- Groundwater samples from Bourne monitoring wells M-3, and 02-03M1, M2, M3 and duplicate, and well MW-80M3 (Far Field well) had detections of 1,4-dichlorobenzene. This is the first time 1,4-dichlorobenzene has been detected at these wells.

- Groundwater samples from Bourne supply wells 4036000-03G and 4036000-06G , Bourne monitoring well 02-13M1, and Bourne sentry well 97-2F had detections of chloromethane. This is the first time chloromethane has been detected at these wells.

- Groundwater samples form Bourne water supply well 4036000-04G had a detection of tetrachloroethylene.

- Groundwater samples from Bourne monitoring well 00-1D and Bourne sentry well 97-3 had detections of trichloroethylene (TCE). The results were similar to previous sampling rounds.

- Groundwater samples from Bourne monitoring well 02-04M2 had a detection of TCE. This is the first sampling event for this well. TCE was not detected in this interval in the profile results.

- Groundwater samples from Bourne test well 00-4D had detections of perchlorate and 1,2,4-trichlorobenzene. This is the first time these compounds have been detected in this well.

- Groundwater samples from Bourne test well 1-88 had detections of perchlorate, acetone and toluene. The detections were similar to previous sampling rounds.

- Groundwater samples from Bourne monitoring well 02-04M1 had detections of perchlorate and TCE. This is the first sampling event for this well. Perchlorate was not detected in this interval in the profile results. The detections of VOCs were consistent with the profile results.

- Groundwater samples from MW-80M1, M2 (Far Field), and MW-91S, M1 and duplicate (Central Impact Area) had detections of perchlorate. The results were similar to previous sampling rounds.

- A groundwater sample from MW-38M3 (Central Impact Area) had a detection of perchlorate. This is the first time perchlorate has been detected in this well and the first analysis for perchlorate using the MDL of 0.35 ppb.

- Groundwater samples and a duplicate sample from Bourne monitoring well 02-08M3 had detections of perchlorate. This is the first sampling event for this well. Perchlorate was not detected in profile samples at this interval, but perchlorate was detected at shallower intervals.

- Groundwater samples from Bourne monitoring wells 02-13M2 had detections of perchlorate. This is the first sampling event for these wells. There were no detections of perchlorate in the profile results for samples from either well.

- Groundwater samples from MW-34M2 and MW-78M2 (Demo Area 1), MW-38M3, M4; MW-43M2, MW-86M2; MW-87M2; MW-89M1, M3; MW-94M1, M2, MW-112M1, M2; MW-135M2, and MW-141M2 (Central Impact Area) had detections of RDX that were confirmed by PDA spectra. The results were similar to previous sampling rounds.

- Groundwater samples from MW-02M2 (Central Impact Area), MW-39M2, MW-87M1, MW-88M2, MW89M2, (Central Impact Area) MW-147M1, M2 and duplicate (J-3 Range) MW-108M4 (Burgoyne Road) had detections of RDX and HMX that were confirmed by PDA spectra. The results were similar to previous sampling rounds.

- Groundwater samples from MW-76M1 and MW-76S (Demo Area 1) had detections of RDX, HMX, and MNX that were confirmed by PDA spectra. The results were similar to previous sampling rounds.

- Groundwater samples from MW-76M2 (Demo Area 1) had detections of RDX, HMX, MNX, TNX and DNX which were confirmed by PDA spectra. This is the first time TNX and DNX have been detected in this well.

- Groundwater samples from MW-77M2 (Demo Area 1) had detections of 4A-DNT, RDX, HMX, and MNX that were confirmed by PDA spectra. The results were similar to previous sampling rounds.

- A groundwater sample from 90MW0005 (FS-12) had detections of 1,3,5-trinitrobenzene, 2-nitrotoluene, nitroglycerin and picric acid that were not confirmed by PDA spectra. These compounds have not been previously validated detections in this well.

- Groundwater samples from 90MW0019 (FS-12) had detections of 2,6-DNT, 2-nitrotoluene and 4-nitrotoluene that were not confirmed by PDA spectra. These compounds have never been validated as detections in this well.

- A groundwater sample from 90MW0034 (FS-12) had detections of 1,3,5-trinitrobenzene, 2,6-DNT, 2-nitrotoluene, 3-nitrotoluene, picric acid, and nitroglycerin. The detection of 2,6-DNT was confirmed by PDA spectra, but with interference. A duplicate sample had similar detections except that 2,6-DNT was not detected. In both samples, the detection of 3-nitrotoluene was not confirmed by PDA spectra, but with interference. These compounds have not been previously validated detections in this well.

- A groundwater sample from 90MW0061 (FS-12) had detections of 2-nitrotoluene, 3-nitrotoluene, nitroglycerin and picric acid. This is the first sampling event for this well.

- Water samples of the influent for the Central Impact Area 72-hour column test had detections of perchlorate (CTPW1INF0, 26, 72), RDX and HMX (CTPW1INF72). The detections of explosives ere confirmed by PDA spectra.

- One hundred twenty-eight groundwater samples from supply wells, sentry wells, monitoring wells and duplicate samples had detections of chloroform.

- Groundwater profile samples from MW-214 (D1P-11) had a detection of perchlorate (1 interval).

- Groundwater profile samples from MW-215 (J2P-16) had detections of 2-nitrotoluene (2 intervals), 3-nitrotoluene (3 intervals), 4-nitrotoluene (4 intervals), RDX (5 intervals), nitrobenzene (1 interval), nitroglycerin (13 intervals), HMX (1 interval), picric acid (5 intervals), 2-hexanone (3 intervals), acetone (15 intervals), benzene (1 interval), carbon disulfide (1 interval), chloroethane (5 intervals), chloroform (12 intervals), chloromethane (4 intervals), 2-butanone (13 intervals), methyl isobutyl ketone (1 interval), toluene (1 interval), and perchlorate (2 intervals). Two detections of RDX were confirmed by PDA spectra. One detection of RDX and one detection of HMX were confirmed by PDA spectra, but with interference.

- Groundwater profile samples from MW-216 (RRAP-1) had detections of 1,3,5-trinitrobenzene (1 interval), 1,3-dinitrobenzene (2 intervals), TNT (1 interval), 2,4-DANT (3 intervals), 2,6-DNT (6 intervals), 2A-DNT (3 intervals), 2-nitrotoluene (8 intervals), 3-nitrotoluene (6 intervals), 4A-DNT (8 intervals), 4-nitrotoluene (7 intervals), RDX (9 intervals), nitrobenzene (3 intervals), nitroglycerin (10 intervals), picric acid (12 intervals), 2-hexanone (2 intervals), acetone (16 intervals), benzene (5 intervals), chloroethane (2 intervals), chloroform (3 intervals), chloromethane (1 interval), 2-butanone (13 intervals), methyl isobutyl ketone (3 intervals), and toluene (7 intervals). One detection of 2,4-DANT and one detection of 2,6-DNT were confirmed by PDA spectra. Four detections of 2,6-DNT and two detections of RDX were confirmed by PDA spectra, but with interference. One detection of RDX was not confirmed by PDA spectra, but with interference.

- Groundwater profile samples from MW-217 (J3P-24) had detections of TNT (1 interval), 2,6-DNT (1 interval), RDX (6 intervals), picric acid (1 interval), perchlorate (1 interval), 1,2-dichloropropane (1 interval), acetone (1 interval), benzene (6 intervals), chloroform (14 intervals), and toluene (6 intervals). The detections of RDX were confirmed by PDA spectra.

- Groundwater profile samples from MW-218 (J3P-25) had detections of RDX (6 interval), HMX (3 interval) perchlorate (1 interval), benzene (1 interval), and chloroform (15 intervals) toluene (1 interval), and xylenes (1 interval). The detections of RDX and HMX were confirmed by PDA spectra.

- Groundwater profile samples from MW-219 (WS4P-1) had detections of 2-hexanone (1 interval), acetone (1 interval), 2-butanone (1 interval), methyl isobutyl ketone (1 interval), TNT (1 interval), 2,4-DANT (3 intervals), 2,6-DNT (6 intervals), 2-nitrotoluene (2 intervals), 3-nitrotoluene (1 interval), 4A-DNT (6 intervals), 4-nitrotoluene (4 intervals), RDX (1 interval), nitroglycerin (6 intervals), and picric acid (5 intervals). The detections of 2,4-DANT and

three detections of 2,6-DNT were confirmed by PDA spectra, but with interference. Two detections of 2,6-DNT, one detection of 4A-DNT, and the detection of RDX were not confirmed by PDA spectra, but with interference.

- Groundwater profile samples from MW-220 (CIAP-11) had detections of 2,6-DNT (1 interval), 2-nitrotoluene (3 intervals), 4A-DNT (2 intervals), 4-nitrotoluene (4 intervals), RDX (1 interval), nitroglycerin (10 intervals), and picric acid (9 intervals). The detection of 2,6-DNT was confirmed by PDA spectra, but with interference.

- Groundwater profile samples from MW-221 (D1P-12) had detections of 2,6-DNT (3 intervals), 2A-DNT (1 interval), 3-nitrotoluene (4 intervals), 4A-DNT (4 intervals), nitrobenzene (1 interval), nitroglycerin (8 intervals), and picric acid (5 intervals). None of the detections were confirmed by PDA spectra. One detection of nitroglycerin was not confirmed by PDA spectra, but with interference.

- Groundwater profile samples from MW-222 (CIAP-23) had detections of 2,6-DNT (1 interval), 2-nitrotoluene (1 interval), 3-nitrotoluene (1 interval), 4A-DNT (1 interval), 4-nitrotoluene (2 intervals), RDX (3 intervals), nitroglycerin (9 intervals), and picric acid (1 interval). None of the detections were confirmed by PDA spectra.

3. DELIVERABLES SUBMITTED

Deliverables submitted during the reporting period include the following:

Draft Supplemental Background Investigation Report	05/02/02
Draft Summary Report January – March 2001 UXO Detonations	05/08/02
April 2002 Monthly Progress Report	05/10/02
Weekly Progress Update for April 29 – May 3, 2002	05/13/02
RRA Round 2, Completion of Work Report and Release Abatement Measure Status Report	05/14/02
Weekly Progress Update for May 6 – May 10, 2002	05/16/02
Draft J-1, J-3, L Ranges Additional Delineation Report No. 1	05/22/02
Weekly Progress Update for May 13 - May 17, 2002	05/28/02
Weekly Progress Update for May 20 – May 24, 2002	05/30/02

4. SCHEDULED ACTIONS

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

- Continue Demolition Area 1 Additional Groundwater Delineation
- Continue Central Impact Area Draft Soil Report revision
- Continue HUTA 1 Draft Report revision
- Finish HUTA 2 Site #1 Revised Draft Report
- Continue HUTA 2 Site #2 Draft Report revision
- Finish HUTA 2 Site #3 Draft Report
- Finish HUTA 2 Site #4 Draft Report
- Finish HUTA 2 Site #5 Draft Report
- Continue J-1/J-3/L Range Additional Delineation Draft Report revision

- Continue Gun and Mortar Positions Draft Report revision
- Continue Phase II(b) Draft Final Report revision
- Continue Phase II(b) Draft SAR Report preparation
- Finish Former A/K/Demo 2 Final Report
- Continue Revised MSP Phase I Draft Report revision
- Finish MSP2 Demo Area 1 Validation Final Report
- Finish MSP2 Slit Trench Validation Final Report
- Finish MSP2 ASP Geophysics Final Report
- Finish MSP2 Former K Range Final Report
- Finish MSP2 Former A Range Final Report revision
- Finish Central Impact Area Groundwater Draft Pump Test Report
- Continue Demo Area 1 Soil Feasibility Study Screening Draft Report revision
- 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. The installation of monitoring wells MW-214 (D1P-11) and MW-221 (D1P-12) was completed. The installation of the next monitoring well D1P-13, located west of Pew Road, will commence next week. Planning efforts were continued for the installation of additional monitoring wells west of Pew Road. Three potential approaches for interim actions to address the groundwater plume were discussed at the 5/28/02 Impact Area Review Team (IART) Meeting. Further evaluation of these approaches is being conducted and a proposed approach will be presented at the June IART meeting.

TABLE 2
SAMPLING PROGRESS
5/1/2002 - 5/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HDA04220201AA	A04220201	05/03/2002	CRATER GRAB	0.00	0.25		
HDA05160201AA	A05160201	05/24/2002	CRATER GRAB	0.00	0.25		
HDA10020101SS1	A10020101	05/10/2002	CRATER GRID	0.00	0.25		
HDA10020101SS2	A10020101	05/10/2002	CRATER GRID	0.00	0.25		
HDA10020101SS3	A10020101	05/10/2002	CRATER GRID	0.00	0.25		
HDA10020101SS4	A10020101	05/10/2002	CRATER GRID	0.00	0.25		
HDA10020101SS5	A10020101	05/10/2002	CRATER GRID	0.00	0.25		
HDA10020101SS6	A10020101	05/10/2002	CRATER GRID	0.00	0.25		
HDA10020101SS7	A10020101	05/10/2002	CRATER GRID	0.00	0.25		
HDA10020101SS8	A10020101	05/10/2002	CRATER GRID	0.00	0.25		
HDA10160101SS1	A10160101	05/10/2002	CRATER GRID	0.00	0.25		
HDA10160101SS2	A10160101	05/10/2002	CRATER GRID	0.00	0.25		
HDA10160101SS3	A10160101	05/10/2002	CRATER GRID	0.00	0.25		
HDA10160101SS4	A10160101	05/10/2002	CRATER GRID	0.00	0.25		
HDA10160101SS5	A10160101	05/10/2002	CRATER GRID	0.00	0.25		
HDA10160101SS6	A10160101	05/10/2002	CRATER GRID	0.00	0.25		
HDA10160101SS7	A10160101	05/10/2002	CRATER GRID	0.00	0.25		
HDA10160101SS8	A10160101	05/10/2002	CRATER GRID	0.00	0.25		
HDA10160101SS8D	A10160101	05/10/2002	CRATER GRID	0.00	0.25		
HDA10220102SS1	A10220102	05/10/2002	CRATER GRID	0.00	0.25		
HDA10220102SS2	A10220102	05/10/2002	CRATER GRID	0.00	0.25		
HDA10220102SS3	A10220102	05/10/2002	CRATER GRID	0.00	0.25		
HDA10220102SS4	A10220102	05/10/2002	CRATER GRID	0.00	0.25		
HDA10220102SS5	A10220102	05/10/2002	CRATER GRID	0.00	0.25		
HDA10220102SS6	A10220102	05/10/2002	CRATER GRID	0.00	0.25		
HDA10220102SS7	A10220102	05/10/2002	CRATER GRID	0.00	0.25		
HDA10220102SS8	A10220102	05/10/2002	CRATER GRID	0.00	0.25		
HDA10220102SS8D	A10220102	05/10/2002	CRATER GRID	0.00	0.25		
J2.A.T32.002.1.0	J2.T32.002.R/J2.T33	05/03/2002	CRATER GRID	2.75	3.00		
J2.A.T32.002.2.0	J2.T32.002.R/J2.T33	05/03/2002	CRATER GRID	2.75	3.00		
J2.A.T32.002.3.0	J2.T32.002.R/J2.T33	05/03/2002	CRATER GRID	2.75	3.00		
J2.A.T6A.007.1.0	J2.T6A.007.R/J2.T6A	05/16/2002	CRATER GRID	0.00	0.25		
J2.A.T6A.007.2.0	J2.T6A.007.R/J2.T6A	05/16/2002	CRATER GRID	0.00	0.25		
J2.A.T6A.007.3.0	J2.T6A.007.R/J2.T6A	05/16/2002	CRATER GRID	0.00	0.25		
58MW0002E	FIELDQC	05/23/2002	FIELDQC	0.00	0.00		
90MW0005E	FIELDQC	05/25/2002	FIELDQC	0.00	0.00		
90MW0041E	FIELDQC	05/19/2002	FIELDQC	0.00	0.00		
90MW0080E	FIELDQC	05/10/2002	FIELDQC	0.00	0.00		
97-2CT	FIELDQC	05/08/2002	FIELDQC	0.00	0.00		
97-2E	FIELDQC	05/03/2002	FIELDQC	0.00	0.00		
97-2FE	FIELDQC	05/08/2002	FIELDQC	0.00	0.00		
BC179A1AAE	FIELDQC	05/21/2002	FIELDQC	0.00	0.00		
G215DFT	FIELDQC	05/06/2002	FIELDQC	0.00	0.00		
G215DLE	FIELDQC	05/07/2002	FIELDQC	0.00	0.00		
G216DCE	FIELDQC	05/06/2002	FIELDQC	0.00	0.00		
G216DHE	FIELDQC	05/08/2002	FIELDQC	0.00	0.00		
G216DPE	FIELDQC	05/09/2002	FIELDQC	0.00	0.00		
G216DPT	FIELDQC	05/09/2002	FIELDQC	0.00	0.00		
G217DJE	FIELDQC	05/14/2002	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
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
5/1/2002 - 5/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G217DNT	FIELDQC	05/15/2002	FIELDQC	0.00	0.00		
G217DPE	FIELDQC	05/15/2002	FIELDQC	0.00	0.00		
G219DAE	FIELDQC	05/29/2002	FIELDQC	0.00	0.00		
G219DAT	FIELDQC	05/29/2002	FIELDQC	0.00	0.00		
G219DFE	FIELDQC	05/30/2002	FIELDQC	0.00	0.00		
G219DFE	FIELDQC	05/31/2002	FIELDQC	0.00	0.00		
G221DCE	FIELDQC	05/14/2002	FIELDQC	0.00	0.00		
G221DHE	FIELDQC	05/15/2002	FIELDQC	0.00	0.00		
G221DSE	FIELDQC	05/17/2002	FIELDQC	0.00	0.00		
G222DRE	FIELDQC	05/16/2002	FIELDQC	0.00	0.00		
G223DAE	FIELDQC	05/31/2002	FIELDQC	0.00	0.00		
HC05A31CAE	FIELDQC	05/02/2002	FIELDQC	0.00	0.00		
HC05TC1CAE	FIELDQC	05/01/2002	FIELDQC	0.00	0.00		
HC102C31AAE	FIELDQC	05/09/2002	FIELDQC	0.00	0.00		
HC102NAA1CAE	FIELDQC	05/06/2002	FIELDQC	0.00	0.00		
HC102NAB1AAE	FIELDQC	05/03/2002	FIELDQC	0.00	0.00		
HC102NB1CAE	FIELDQC	05/24/2002	FIELDQC	0.00	0.00		
HC103CD1BAE	FIELDQC	05/07/2002	FIELDQC	0.00	0.00		
HC121A1CAE	FIELDQC	05/20/2002	FIELDQC	0.00	0.00		
HC125A1AAE	FIELDQC	05/30/2002	FIELDQC	0.00	0.00		
HC165B1CAE	FIELDQC	05/08/2002	FIELDQC	0.00	0.00		
HC16B1AAE	FIELDQC	05/14/2002	FIELDQC	0.00	0.00		
HC16K1AAE	FIELDQC	05/14/2002	FIELDQC	0.00	0.00		
HC177B1AAE	FIELDQC	05/22/2002	FIELDQC	0.00	0.00		
HC177B1BAT	FIELDQC	05/22/2002	FIELDQC	0.00	0.00		
HC177SB1AAE	FIELDQC	05/31/2002	FIELDQC	0.00	0.00		
HC177SB1AAT	FIELDQC	05/31/2002	FIELDQC	0.00	0.00		
HC177SB1CAE	FIELDQC	05/23/2002	FIELDQC	0.00	0.00		
HC178B1AAT	FIELDQC	05/23/2002	FIELDQC	0.00	0.00		
HC179A1AAE	FIELDQC	05/21/2002	FIELDQC	0.00	0.00		
HC179A1CAT	FIELDQC	05/21/2002	FIELDQC	0.00	0.00		
HC181A1BAE	FIELDQC	05/29/2002	FIELDQC	0.00	0.00		
HC182A1CAE	FIELDQC	05/14/2002	FIELDQC	0.00	0.00		
HC183A1AAE	FIELDQC	05/16/2002	FIELDQC	0.00	0.00		
HC184A1CAE	FIELDQC	05/17/2002	FIELDQC	0.00	0.00		
HC184A1CAT	FIELDQC	05/17/2002	FIELDQC	0.00	0.00		
HC185A1BAE	FIELDQC	05/15/2002	FIELDQC	0.00	0.00		
HC52U1AAE	FIELDQC	05/07/2002	FIELDQC	0.00	0.00		
HC53W1BAE	FIELDQC	05/03/2002	FIELDQC	0.00	0.00		
HC58J1AAE	FIELDQC	05/06/2002	FIELDQC	0.00	0.00		
HC61D1BAE	FIELDQC	05/02/2002	FIELDQC	0.00	0.00		
HC64K1BAE	FIELDQC	05/01/2002	FIELDQC	0.00	0.00		
HC69I1BAE	FIELCQC	05/09/2002	FIELDQC	0.00	0.00		
HC75C1BAE	FIELDQC	05/10/2002	FIELDQC	0.00	0.00		
HC78A1AAE	FIELDQC	05/08/2002	FIELDQC	0.00	0.00		
HD102C31AAT	FIELDQC	05/24/2002	FIELDQC	0.00	0.00		
HDA10220102SS1E	FIELDQC	05/10/2002	FIELDQC	0.00	0.00		
M-5DAE	FIELDQC	05/05/2002	FIELDQC	0.00	0.00		
OW00-1DE	FIELDQC	05/22/2002	FIELDQC	0.00	0.00		

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TABLE 2
SAMPLING PROGRESS
5/1/2002 - 5/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
SC21301E	FIELDQC	05/13/2002	FIELDQC	0.00	0.00		
TK102C31AAE	FIELDQC	05/09/2002	FIELDQC	0.00	0.00		
TW00-6T	FIELDQC	05/07/2002	FIELDQC	0.00	0.00		
TW01-1T	FIELDQC	05/13/2002	FIELDQC	0.00	0.00		
TW1-88AE	FIELDQC	05/12/2002	FIELDQC	0.00	0.00		
W02-02M1E	FIELDQC	05/30/2002	FIELDQC	0.00	0.00		
W02-02M1T	FIELDQC	05/30/2002	FIELDQC	0.00	0.00		
W02-03M1T	FIELDQC	05/16/2002	FIELDQC	0.00	0.00		
W02-03M2F	FIELDQC	05/16/2002	FIELDQC	0.00	0.00		
W02-04M2E	FIELDQC	05/29/2002	FIELDQC	0.00	0.00		
W02-04M2T	FIELDQC	05/29/2002	FIELDQC	0.00	0.00		
W02-05M2E	FIELDQC	05/31/2002	FIELDQC	0.00	0.00		
W02-08M3E	FIELDQC	05/09/2002	FIELDQC	0.00	0.00		
W02-09M2E	FIELDQC	05/28/2002	FIELDQC	0.00	0.00		
W02-09M2T	FIELDQC	05/28/2002	FIELDQC	0.00	0.00		
W02-13M2E	FIELDQC	05/11/2002	FIELDQC	0.00	0.00		
W02-13M2E	FIELDQC	05/17/2002	FIELDQC	0.00	0.00		
W18M1T	FIELDQC	05/01/2002	FIELDQC	0.00	0.00		
W18M2F	FIELDQC	05/01/2002	FIELDQC	0.00	0.00		
W80M1T	FIELDQC	05/02/2002	FIELDQC	0.00	0.00		
WOW-2E	FIELDQC	05/21/2002	FIELDQC	0.00	0.00		
WS-4ADE	FIELDQC	05/14/2002	FIELDQC	0.00	0.00		
WS-4AST	FIELDQC	05/14/2002	FIELDQC	0.00	0.00		
4036000-01G	4036000-01G	05/01/2002	GROUNDWATER				
4036000-01G	4036000-01G	05/08/2002	GROUNDWATER				
4036000-01G	4036000-01G	05/15/2002	GROUNDWATER				
4036000-01G	4036000-01G	05/22/2002	GROUNDWATER				
4036000-01G	4036000-01G	05/29/2002	GROUNDWATER				
4036000-03G	4036000-03G	05/01/2002	GROUNDWATER				
4036000-03G	4036000-03G	05/08/2002	GROUNDWATER				
4036000-03G	4036000-03G	05/15/2002	GROUNDWATER				
4036000-03G	4036000-03G	05/22/2002	GROUNDWATER				
4036000-03G	4036000-03G	05/29/2002	GROUNDWATER				
4036000-03GD	4036000-03G	05/22/2002	GROUNDWATER				
4036000-04G	4036000-04G	05/01/2002	GROUNDWATER				
4036000-04G	4036000-04G	05/08/2002	GROUNDWATER				
4036000-04G	4036000-04G	05/15/2002	GROUNDWATER				
4036000-04G	4036000-04G	05/22/2002	GROUNDWATER				
4036000-04G	4036000-04G	05/29/2002	GROUNDWATER				
4036000-06G	4036000-06G	05/01/2002	GROUNDWATER				
4036000-06G	4036000-06G	05/08/2002	GROUNDWATER				
4036000-06G	4036000-06G	05/15/2002	GROUNDWATER				
4036000-06G	4036000-06G	05/22/2002	GROUNDWATER				
4036000-06G	4036000-06G	05/29/2002	GROUNDWATER				
4036000-06GD	4036000-06G	05/08/2002	GROUNDWATER				
4036000-06GD	4036000-06G	05/15/2002	GROUNDWATER				
58MW0001	58MW001	05/31/2002	GROUNDWATER	121.80	126.80	3.60	8.60
58MW0002	58MW0002	05/31/2002	GROUNDWATER	121.20	126.20	4.00	9.00
58MW0003	58MW003	05/31/2002	GROUNDWATER	119.00	124.00	0.30	5.30

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TABLE 2
SAMPLING PROGRESS
5/1/2002 - 5/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
58MW0003D	58MW003D	05/31/2002	GROUNDWATER	119.00	124.00	0.30	5.30
58MW0006E	58MW0006E	05/31/2002	GROUNDWATER	109.60	119.60	0.00	10.00
58MW0007C	58MW0007C	05/31/2002	GROUNDWATER	152.78	157.78	24.00	29.00
90MP0060C	90MP0060	05/30/2002	GROUNDWATER	126.52	129.02		
90MP0060D	90MP0060	05/30/2002	GROUNDWATER	102.20	104.50		
90MP0060F	90MP0060	05/30/2002	GROUNDWATER	47.02	49.52		
90MP0060FD	90MP0060	05/30/2002	GROUNDWATER	240.00	240.00		
90MW0003	90MW0003	05/10/2002	GROUNDWATER	144.00	149.00	49.84	54.84
90MW0005	90MW0005	05/25/2002	GROUNDWATER	184.00	189.00	73.00	78.00
90MW0006	90MW0006	05/10/2002	GROUNDWATER	129.00	134.00	48.27	53.27
90MW0006D	90MW0006	05/10/2002	GROUNDWATER	129.00	134.00	48.27	53.27
90MW0009	90MW0009	05/10/2002	GROUNDWATER	119.00	124.00	50.77	55.77
90MW0017	90MW0017	05/10/2002	GROUNDWATER	149.00	154.00	68.62	73.62
90MW0019	90MW0019	05/10/2002	GROUNDWATER	161.00	166.00	69.65	74.65
90MW0021	90MW0021	05/19/2002	GROUNDWATER	127.00	132.00	78.00	83.00
90MW0031	90MW0031	05/10/2002	GROUNDWATER	195.32	200.32	104.58	109.58
90MW0034	90MW0034	05/24/2002	GROUNDWATER	93.00	98.00	28.57	33.57
90MW0034D	90MW0034	05/24/2002	GROUNDWATER	93.00	98.00	28.57	33.57
90MW0038	90MW0038	05/24/2002	GROUNDWATER	94.00	99.00	29.00	34.00
90MW0041	90MW0041	05/19/2002	GROUNDWATER	125.37	130.23	31.50	36.50
90MW0061	90MW0061	05/24/2002	GROUNDWATER	150.00	155.00	58.65	63.65
90MW0080	90MW0080	05/10/2002	GROUNDWATER	139.00	144.00	85.20	90.20
90SNP0001	90SNP001	05/15/2002	GROUNDWATER				
90SNP0001	90SNP001	05/31/2002	GROUNDWATER				
90SNP0002	90SNP002	05/15/2002	GROUNDWATER				
90SNP0002	90SNP002	05/31/2002	GROUNDWATER				
90WT0003	90WT0003	05/19/2002	GROUNDWATER	87.50	97.50	0.00	10.00
90WT0004	90WT0004	05/19/2002	GROUNDWATER	35.00	45.00	3.00	13.00
90WT0006	90WT0006	05/18/2002	GROUNDWATER	95.00	105.00	95.00	105.00
90WT0013	90WT0013	05/19/2002	GROUNDWATER	92.00	102.00	0.00	10.00
90WT0019	90WT0019	05/18/2002	GROUNDWATER			0.00	10.00
90WT0019D	90WT0019	05/18/2002	GROUNDWATER			0.00	10.00
95-6A	95-6A	05/21/2002	GROUNDWATER		192.15	146.00	156.00
95-6B	95-6B	05/21/2002	GROUNDWATER		127.15	94.00	104.00
97-1	97-1	05/02/2002	GROUNDWATER	83.00	93.00	62.00	72.00
97-2	97-2	05/03/2002	GROUNDWATER	75.00	85.00	53.00	63.00
97-2BA	97-2B	05/08/2002	GROUNDWATER		121.00		75.40
97-2CA	97-2C	05/08/2002	GROUNDWATER		132.00		68.00
97-2CD	97-2C	05/08/2002	GROUNDWATER		132.00		68.00
97-2DA	97-2D	05/08/2002	GROUNDWATER		115.40		82.90
97-2EA	97-2E	05/08/2002	GROUNDWATER		94.50		49.80
97-2FA	97-2F	05/08/2002	GROUNDWATER		120.00		76.70
97-2GA	97-2G	05/08/2002	GROUNDWATER		126.80		73.70
97-3	97-3	05/02/2002	GROUNDWATER	75.00	85.00	36.00	46.00
97-5	97-5	05/02/2002	GROUNDWATER	84.00	94.00	76.00	86.00
M-1BAA	M-1	05/11/2002	GROUNDWATER		45.00		2.15
M-1CAA	M-1	05/11/2002	GROUNDWATER		55.00		12.15
M-1DAA	M-1	05/11/2002	GROUNDWATER		65.00		22.15
M-2BAA	M-2	05/04/2002	GROUNDWATER		65.00		1.50

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SAMPLING PROGRESS
5/1/2002 - 5/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
M-2CAA	M-2	05/04/2002	GROUNDWATER		75.00		11.50
M-2DAA	M-2	05/04/2002	GROUNDWATER		85.00		21.50
M-3BAA	M-3	05/03/2002	GROUNDWATER		65.00		6.80
M-3CAA	M-3	05/03/2002	GROUNDWATER		75.00		16.80
M-3DAA	M-3	05/03/2002	GROUNDWATER		85.00		26.80
M-4BAA	M-4	05/05/2002	GROUNDWATER		69.00		8.20
M-4BAD	M-4	05/05/2002	GROUNDWATER		69.00		8.20
M-4CAA	M-4	05/05/2002	GROUNDWATER		79.00		18.20
M-4DAA	M-4	05/05/2002	GROUNDWATER		89.00		28.20
M-5BAA	M-5	05/05/2002	GROUNDWATER		65.00		6.48
M-5CAA	M-5	05/05/2002	GROUNDWATER		75.00		16.48
M-5DAA	M-5	05/05/2002	GROUNDWATER		85.00		26.48
M-6BAA	M-6	05/12/2002	GROUNDWATER		59.00		7.17
M-6CAA	M-6	05/12/2002	GROUNDWATER		69.00		17.17
M-6DAA	M-6	05/12/2002	GROUNDWATER		76.00		24.17
M-7BAA	M-7	05/06/2002	GROUNDWATER		59.00		2.90
M-7CAA	M-7	05/06/2002	GROUNDWATER		65.00		8.90
M-7DAA	M-7	05/06/2002	GROUNDWATER		75.00		18.90
MW00-4A	00-4	05/06/2002	GROUNDWATER	64.00	70.00	38.00	44.00
OW00-1DA	00-1D	05/22/2002	GROUNDWATER	175.00	185.00	48.30	54.30
PPAWSPW-1	PPAWSPW-1	05/31/2002	GROUNDWATER				
PPAWSPW-2	PPAWSPW-2	05/31/2002	GROUNDWATER				
RS0011OSNK	RS0011	05/10/2002	GROUNDWATER				
SPRING1A	SPRING1	05/09/2002	GROUNDWATER				
TW00-4DAA	00-4D	05/11/2002	GROUNDWATER	75.00	75.00	45.00	45.00
TW00-4DBA	00-4D	05/11/2002	GROUNDWATER	85.00	85.00	55.00	55.00
TW00-5A	00-5	05/07/2002	GROUNDWATER	50.00	56.00	15.50	21.50
TW00-6A	00-6	05/07/2002	GROUNDWATER	36.00	42.00	9.60	6.60
TW00-7A	00-7	05/07/2002	GROUNDWATER	57.00	63.00	25.50	31.50
TW01-1A	01-1	05/13/2002	GROUNDWATER	62.00	67.00	55.21	60.21
TW01-1D	01-1	05/13/2002	GROUNDWATER	62.00	67.00	55.21	60.21
TW01-2A	01-2	05/13/2002	GROUNDWATER	50.00	56.00	24.50	30.50
TW1-88AA	01-88	05/12/2002	GROUNDWATER				
TW1-88BA	01-88	05/12/2002	GROUNDWATER				
USCGANTST	USCGANTST	05/15/2002	GROUNDWATER				
W01M1A	MW-1	05/22/2002	GROUNDWATER	126.00	136.00	104.00	109.00
W01M2A	MW-1	05/22/2002	GROUNDWATER	16.00	165.00	44.00	49.00
W02-01M1A	02-01	05/12/2002	GROUNDWATER	95.00	105.00	42.90	52.90
W02-01M2A	02-01	05/12/2002	GROUNDWATER	83.00	93.00	30.90	40.90
W02-02M1A	02-02	05/30/2002	GROUNDWATER	114.50	124.50	63.50	73.50
W02-02M1A	02-02	05/31/2002	GROUNDWATER	114.50	124.50	63.50	73.50
W02-02M1D	02-02	05/30/2002	GROUNDWATER	114.50	124.50	63.50	73.50
W02-02M1D	02-02	05/31/2002	GROUNDWATER	114.50	124.50	63.50	73.50
W02-02M2A	02-02	05/30/2002	GROUNDWATER	94.50	104.50	42.65	52.65
W02-02M2A	02-02	05/31/2002	GROUNDWATER	94.50	104.50	42.65	52.65
W02-02SSA	02-02	05/30/2002	GROUNDWATER	49.50	59.50	0.00	10.00
W02-02SSA	02-02	05/31/2002	GROUNDWATER	49.50	59.50	0.00	10.00
W02-03M1A	02-03	05/16/2002	GROUNDWATER	130.00	140.00	86.10	96.10
W02-03M2A	02-03	05/16/2002	GROUNDWATER	92.00	102.00	48.15	58.15

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5/1/2002 - 5/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W02-03M3A	02-03	05/16/2002	GROUNDWATER	75.00	85.00	31.05	41.05
W02-03M3D	02-03	05/16/2002	GROUNDWATER	75.00	85.00	31.05	41.05
W02-04M1A	02-04	05/29/2002	GROUNDWATER	123.00	133.00	73.97	83.97
W02-04M2A	02-04	05/29/2002	GROUNDWATER	98.00	108.00	48.93	58.93
W02-04M3A	02-04	05/30/2002	GROUNDWATER	83.00	93.00	34.01	44.01
W02-05M1A	02-05	05/30/2002	GROUNDWATER	110.00	120.00	81.44	91.44
W02-05M1A	02-05	05/31/2002	GROUNDWATER	110.00	120.00	81.44	91.44
W02-05M2A	02-05	05/31/2002	GROUNDWATER	92.00	102.00	63.41	73.41
W02-05M3A	02-05	05/30/2002	GROUNDWATER	70.00	80.00	41.37	51.37
W02-05M3A	02-05	05/31/2002	GROUNDWATER	70.00	80.00	41.37	51.37
W02-07M1A	02-07	05/28/2002	GROUNDWATER	135.00	145.00	101.14	111.14
W02-07M2A	02-07	05/28/2002	GROUNDWATER	107.00	117.00	72.86	82.86
W02-07M3A	02-07	05/28/2002	GROUNDWATER	47.00	57.00	13.00	23.00
W02-08M1A	02-08	05/09/2002	GROUNDWATER	108.00	113.00	86.56	91.56
W02-08M2A	02-08	05/08/2002	GROUNDWATER	82.00	87.00	60.65	65.65
W02-08M3A	02-08	05/09/2002	GROUNDWATER	62.00	67.00	40.58	45.58
W02-08M3D	02-08	05/09/2002	GROUNDWATER	62.00	67.00	40.58	45.58
W02-09M1A	02-09	05/28/2002	GROUNDWATER	74.00	84.00	65.26	75.26
W02-09M2A	02-09	05/28/2002	GROUNDWATER	59.00	69.00	50.30	60.30
W02-09SSA	02-09	05/28/2002	GROUNDWATER	7.00	17.00	0.00	10.00
W02-09SSD	02-09	05/28/2002	GROUNDWATER	7.00	17.00	0.00	10.00
W02-12M1A	02-12	05/28/2002	GROUNDWATER	109.00	119.00	58.35	68.35
W02-12M2A	02-12	05/29/2002	GROUNDWATER	94.00	104.00	43.21	53.21
W02-12M3A	02-12	05/29/2002	GROUNDWATER	79.00	89.00	28.22	38.22
W02-13M1A	02-13	05/11/2002	GROUNDWATER	98.00	108.00	58.33	68.33
W02-13M1A	02-13	05/16/2002	GROUNDWATER	98.00	108.00	58.33	68.33
W02-13M1A	02-13	05/28/2002	GROUNDWATER	98.00	108.00	58.33	68.33
W02-13M2A	02-13	05/11/2002	GROUNDWATER	83.00	93.00	44.20	54.20
W02-13M2A	02-13	05/16/2002	GROUNDWATER	83.00	93.00	44.20	54.20
W02-13M2A	02-13	05/28/2002	GROUNDWATER	83.00	93.00	44.20	54.20
W02-13M3A	02-13	05/11/2002	GROUNDWATER	68.00	78.00	28.30	38.30
W02-13M3A	02-13	05/16/2002	GROUNDWATER	68.00	78.00	28.30	38.30
W02-13M3A	02-13	05/29/2002	GROUNDWATER	68.00	78.00	28.30	38.30
W02-13M3D	02-13	05/11/2002	GROUNDWATER	68.00	78.00	28.00	38.00
W02-13M3D	02-13	05/16/2002	GROUNDWATER	68.00	78.00	28.00	38.00
W02M1A	MW-2	05/01/2002	GROUNDWATER	212.00	217.00	75.00	80.00
W02M2A	MW-2	05/01/2002	GROUNDWATER	170.00	175.00	33.00	38.00
W07M1A	MW-7	05/15/2002	GROUNDWATER	240.00	245.00	135.00	140.00
W07M1D	MW-7	05/15/2002	GROUNDWATER	240.00	245.00	135.00	140.00
W07M2A	MW-7	05/15/2002	GROUNDWATER	170.00	175.00	65.00	70.00
W100M1A	MW-100	05/21/2002	GROUNDWATER	179.00	189.00	45.00	55.00
W100M2A	MW-100	05/21/2002	GROUNDWATER	164.00	174.00	30.00	40.00
W101M1A	MW-101	05/21/2002	GROUNDWATER	158.00	168.00	27.00	37.00
W101SSA	MW-101	05/21/2002	GROUNDWATER	131.00	141.00	1.00	11.00
W102M1A	MW-102	05/03/2002	GROUNDWATER	267.00	277.00	123.00	133.00
W102M2A	MW-102	05/03/2002	GROUNDWATER	237.00	247.00	93.00	103.00
W103M1A	MW-103	05/03/2002	GROUNDWATER	298.00	308.00	156.00	166.00
W103M2A	MW-103	05/03/2002	GROUNDWATER	282.00	292.00	140.00	150.00
W105M1A	MW-105	05/21/2002	GROUNDWATER	205.00	215.00	78.00	88.00

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SAMPLING PROGRESS
5/1/2002 - 5/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W105M2A	MW-105	05/21/2002	GROUNDWATER	158.00	168.00	38.00	48.00
W106M1A	MW-106	05/22/2002	GROUNDWATER	170.50	180.50	38.00	48.00
W106M2A	MW-106	05/22/2002	GROUNDWATER	170.50	180.50	8.00	18.00
W107M1A	MW-107	05/22/2002	GROUNDWATER	155.00	165.00	35.00	45.00
W107M2A	MW-107	05/22/2002	GROUNDWATER	125.00	135.00	5.00	15.00
W108M1A	MW-108	05/01/2002	GROUNDWATER	297.00	307.00	133.00	143.00
W108M2A	MW-108	05/01/2002	GROUNDWATER	282.00	292.00	118.00	128.00
W108M3A	MW-108	05/02/2002	GROUNDWATER	262.00	272.00	98.00	108.00
W108M4A	MW-108	05/02/2002	GROUNDWATER	240.00	250.00	76.00	86.00
W110M1A	MW-110	05/07/2002	GROUNDWATER	315.50	325.50	142.00	152.00
W110M2A	MW-110	05/07/2002	GROUNDWATER	248.50	258.50	75.00	85.00
W110M2D	MW-110	05/07/2002	GROUNDWATER	248.50	258.50	75.00	85.00
W111M1A	MW-111	05/14/2002	GROUNDWATER	224.00	234.00	92.00	102.00
W111M3A	MW-111	05/14/2002	GROUNDWATER	165.00	175.00	33.00	43.00
W111M3D	MW-111	05/14/2002	GROUNDWATER	165.00	175.00	33.00	43.00
W112M1A	MW-112	05/13/2002	GROUNDWATER	195.00	205.00	56.00	66.00
W112M2A	MW-112	05/13/2002	GROUNDWATER	165.00	175.00	26.00	36.00
W113M1A	MW-113	05/09/2002	GROUNDWATER	240.00	250.00	98.00	108.00
W113M2A	MW-113	05/09/2002	GROUNDWATER	190.00	200.00	48.00	58.00
W114M2A	MW114	05/24/2002	GROUNDWATER	120.00	130.00	39.00	49.00
W114M2A	MW114	05/29/2002	GROUNDWATER	120.00	130.00	39.00	49.00
W118M1A	MW-118	05/14/2002	GROUNDWATER	146.00	156.00	38.00	48.00
W118M2A	MW-118	05/13/2002	GROUNDWATER	116.00	126.00	8.00	18.00
W123M1A	MW-123	05/07/2002	GROUNDWATER	291.00	301.00	153.00	163.00
W123M2A	MW-123	05/07/2002	GROUNDWATER	236.00	246.00	98.00	108.00
W124M1A	MW-124	05/07/2002	GROUNDWATER	234.00	244.00	98.00	108.00
W124M2A	MW-124	05/07/2002	GROUNDWATER	219.00	229.00	83.00	93.00
W124M2D	MW-124	05/07/2002	GROUNDWATER	219.00	229.00	83.00	93.00
W135M1A	MW-135	05/07/2002	GROUNDWATER	319.00	329.00	133.00	143.00
W135M2A	MW-135	05/07/2002	GROUNDWATER	280.00	290.00	94.00	104.00
W135M3A	MW-135	05/07/2002	GROUNDWATER	239.00	249.00	53.00	63.00
W138M1A	MW-138	05/14/2002	GROUNDWATER	253.00	263.00	132.00	142.00
W138M2A	MW-138	05/14/2002	GROUNDWATER	151.00	161.00	30.00	40.00
W138M3A	MW-138	05/15/2002	GROUNDWATER	135.00	145.00	14.00	24.00
W141M1A	MW-141	05/14/2002	GROUNDWATER	190.00	200.00	62.00	72.00
W141M2A	MW-141	05/15/2002	GROUNDWATER	162.00	172.00	34.00	44.00
W141SSA	MW-141	05/14/2002	GROUNDWATER	128.00	138.00	0.00	10.00
W152M2A	MW-152	05/15/2002	GROUNDWATER	154.00	164.00	48.00	58.00
W152M2D	MW-152	05/15/2002	GROUNDWATER	154.00	164.00	48.00	58.00
W156SSA	MW-156	05/19/2002	GROUNDWATER	77.00	87.00	7.00	17.00
W18M1A	MW-18	05/01/2002	GROUNDWATER	171.00	176.00	128.00	133.00
W18M2A	MW-18	05/01/2002	GROUNDWATER	107.00	112.00	64.00	69.00
W18M2D	MW-18	05/01/2002	GROUNDWATER	107.00	112.00	64.00	69.00
W19SSA	MW-19	05/24/2002	GROUNDWATER	38.00	48.00	0.00	10.00
W19SSA	MW-19	05/29/2002	GROUNDWATER	38.00	48.00	0.00	10.00
W19SSA	MW-19	05/30/2002	GROUNDWATER	38.00	48.00	0.00	10.00
W21DDA	MW-21	05/13/2002	GROUNDWATER	302.00	312.00	134.00	144.00
W21M1A	MW-21	05/13/2002	GROUNDWATER	261.00	271.00	93.00	103.00
W21M2A	MW-21	05/13/2002	GROUNDWATER	226.00	236.00	58.00	68.00

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TABLE 2
SAMPLING PROGRESS
5/1/2002 - 5/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W21M3A	MW-21	05/14/2002	GROUNDWATER	196.00	209.00	58.00	68.00
W23DDA	MW-23	05/09/2002	GROUNDWATER	272.00	282.00	149.00	159.00
W23M1A	MW-23	05/09/2002	GROUNDWATER	225.00	235.00	103.00	113.00
W23M1D	MW-23	05/09/2002	GROUNDWATER	225.00	235.00	103.00	113.00
W23M2A	MW-23	05/01/2002	GROUNDWATER	189.00	194.00	67.00	72.00
W31SSA	MW-31	05/29/2002	GROUNDWATER	98.00	103.00	13.00	18.00
W38M2A	MW-38	05/14/2002	GROUNDWATER	187.00	197.00	69.00	79.00
W38M3A	MW-38	05/13/2002	GROUNDWATER	170.00	180.00	52.00	62.00
W38M4A	MW-38	05/13/2002	GROUNDWATER	132.00	142.00	14.00	24.00
W38M4D	MW-38	05/13/2002	GROUNDWATER	132.00	142.00	14.00	24.00
W39M1A	MW-39	05/15/2002	GROUNDWATER	220.00	230.00	84.00	94.00
W39M2A	MW-39	05/15/2002	GROUNDWATER	175.00	185.00	39.00	49.00
W41M1A	MW-41	05/15/2002	GROUNDWATER	235.00	245.00	108.00	118.00
W41M1D	MW-41	05/15/2002	GROUNDWATER	235.00	245.00	108.00	118.00
W41M2A	MW-41	05/15/2002	GROUNDWATER	194.00	204.00	67.00	77.00
W42M1A	MW-42	05/01/2002	GROUNDWATER	205.00	215.00	137.00	147.00
W42M2A	MW-42	05/01/2002	GROUNDWATER	185.80	195.80	118.00	128.00
W43M1A	MW-43	05/15/2002	GROUNDWATER	223.00	233.00	90.00	100.00
W43M2A	MW-43	05/15/2002	GROUNDWATER	200.00	210.00	67.00	77.00
W44M2A	MW-44	05/20/2002	GROUNDWATER	170.00	180.00	13.00	23.00
W47DDA	MW-47	05/09/2002	GROUNDWATER	194.00	204.00	100.00	110.00
W47M1A	MW-47	05/09/2002	GROUNDWATER	169.00	179.00	75.00	85.00
W47M2A	MW-47	05/09/2002	GROUNDWATER	131.50	141.50	38.00	48.00
W50DDA	MW-50	05/09/2002	GROUNDWATER	237.00	247.00	119.00	129.00
W50M1A	MW-50	05/09/2002	GROUNDWATER	207.00	217.00	89.00	99.00
W50M2A	MW-50	05/09/2002	GROUNDWATER	177.00	187.00	59.00	69.00
W59M1A	MW-59	05/16/2002	GROUNDWATER	165.00	170.00	32.00	38.00
W59M2A	MW-59	05/16/2002	GROUNDWATER	150.00	160.00	18.00	28.00
W77SSA	MW-77	05/29/2002	GROUNDWATER	83.00	93.00	1.00	11.00
W77SSD	MW-77	05/29/2002	GROUNDWATER	83.00	93.00	1.00	11.00
W80DDA	MW-80	05/02/2002	GROUNDWATER	158.00	168.00	114.00	124.00
W80M1A	MW-80	05/02/2002	GROUNDWATER	130.00	140.00	86.00	96.00
W80M2A	MW-80	05/03/2002	GROUNDWATER	100.00	110.00	56.00	66.00
W80M3A	MW-80	05/02/2002	GROUNDWATER	70.00	80.00	26.00	36.00
W80SSA	MW-80	05/30/2002	GROUNDWATER	43.00	53.00	0.00	10.00
W81DDA	MW-81	05/06/2002	GROUNDWATER	184.00	194.00	156.00	166.00
W81M1A	MW-81	05/06/2002	GROUNDWATER	128.00	138.00	100.00	110.00
W81M1D	MW-81	05/06/2002	GROUNDWATER	128.00	138.00	100.00	110.00
W81M2A	MW-81	05/03/2002	GROUNDWATER	83.00	93.00	55.00	65.00
W81M3A	MW-81	05/06/2002	GROUNDWATER	53.00	58.00	25.00	30.00
W81SSA	MW-81	05/03/2002	GROUNDWATER	25.00	35.00	0.00	10.00
W82DDA	MW-82	05/06/2002	GROUNDWATER	97.00	107.00	97.00	107.00
W82M1A	MW-82	05/06/2002	GROUNDWATER	104.00	114.00	76.00	86.00
W82M2A	MW-82	05/06/2002	GROUNDWATER	78.00	88.00	50.00	60.00
W82M3A	MW-82	05/06/2002	GROUNDWATER	54.00	64.00	26.00	36.00
W82SSA	MW-82	05/06/2002	GROUNDWATER	25.00	35.00	0.00	10.00
W85M1A	MW-85	05/22/2002	GROUNDWATER	137.50	147.50	22.00	32.00
W85SSA	MW-85	05/22/2002	GROUNDWATER	206.00	216.00	1.00	11.00
W86M1A	MW-86	05/16/2002	GROUNDWATER	208.00	218.00	66.00	76.00

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SAMPLING PROGRESS
5/1/2002 - 5/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W86M1D	MW-86	05/16/2002	GROUNDWATER	208.00	218.00	66.00	76.00
W86M2A	MW-86	05/16/2002	GROUNDWATER	158.00	168.00	16.00	26.00
W87M1A	MW-87	05/17/2002	GROUNDWATER	194.00	204.00	62.00	72.00
W87M2A	MW-87	05/17/2002	GROUNDWATER	169.00	179.00	37.00	47.00
W87M3A	MW-87	05/17/2002	GROUNDWATER	140.00	150.00	8.00	18.00
W88M1A	MW-88	05/17/2002	GROUNDWATER	233.00	243.00	92.00	102.00
W88M2A	MW-88	05/17/2002	GROUNDWATER	213.00	223.00	72.00	82.00
W88M3A	MW-88	05/17/2002	GROUNDWATER	173.00	183.00	32.00	42.00
W88M3D	MW-88	05/17/2002	GROUNDWATER	173.00	183.00	32.00	42.00
W89M1A	MW-89	05/17/2002	GROUNDWATER	234.00	244.00	92.00	102.00
W89M2A	MW-89	05/17/2002	GROUNDWATER	214.00	224.00	72.00	82.00
W89M3A	MW-89	05/17/2002	GROUNDWATER	174.00	184.00	32.00	42.00
W90M1A	MW-90	05/20/2002	GROUNDWATER	145.00	155.00	27.00	37.00
W91M1A	MW-91	05/20/2002	GROUNDWATER	170.00	180.00	45.00	55.00
W91M1D	MW-91	05/20/2002	GROUNDWATER	170.00	180.00	45.00	55.00
W91SSA	MW-91	05/20/2002	GROUNDWATER	124.00	134.00	0.00	10.00
W92M1A	MW-92	05/20/2002	GROUNDWATER	165.00	175.00	25.00	35.00
W92SSA	MW-92	05/20/2002	GROUNDWATER	139.00	149.00	0.00	10.00
W93M1A	MW-93	05/20/2002	GROUNDWATER	185.00	195.00	56.00	66.00
W93M2A	MW-93	05/20/2002	GROUNDWATER	145.00	155.00	16.00	26.00
W94M1A	MW-94	05/17/2002	GROUNDWATER	165.00	175.00	36.00	46.00
W94M2A	MW-94	05/17/2002	GROUNDWATER	140.00	150.00	16.00	26.00
W95M1A	MW-95	05/20/2002	GROUNDWATER	202.00	212.00	78.00	88.00
W95M1D	MW-95	05/20/2002	GROUNDWATER	202.00	212.00	78.00	88.00
W95M2A	MW-95	05/20/2002	GROUNDWATER	167.00	177.00	43.00	53.00
W96M1A	MW-96	05/22/2002	GROUNDWATER	206.00	216.00	70.00	80.00
W96M2A	MW-96	05/23/2002	GROUNDWATER	160.00	170.00	24.00	34.00
W96SSA	MW-96	05/23/2002	GROUNDWATER	134.00	144.00	0.00	10.00
W97M2A	MW-97	05/23/2002	GROUNDWATER	185.00	195.00	62.00	72.00
W97M3A	MW-97	05/23/2002	GROUNDWATER	140.00	150.00	17.00	27.00
W98M1A	MW-98	05/24/2002	GROUNDWATER	164.00	174.00	26.00	36.00
W98M1D	MW-98	05/24/2002	GROUNDWATER	164.00	174.00	26.00	36.00
W98SSA	MW-98	05/23/2002	GROUNDWATER	137.00	147.00	0.00	10.00
W99M1A	MW-99	05/23/2002	GROUNDWATER	195.00	205.00	60.00	70.00
W99SSA	MW-99	05/23/2002	GROUNDWATER	133.00	143.00	0.00	10.00
WOW-1A	OW-1	05/21/2002	GROUNDWATER	126.00	136.00	0.70	10.70
WOW-1D	OW-1	05/21/2002	GROUNDWATER	126.00	136.00	0.70	10.70
WOW-2A	OW-2	05/21/2002	GROUNDWATER	175.00	185.00	48.78	58.78
WOW-6A	OW-6	05/21/2002	GROUNDWATER	175.00	185.00	46.80	56.80
WS-4ADA	WS-4A	05/14/2002	GROUNDWATER	218.00	228.00	148.50	158.50
WS-4ASA	WS-4A	05/14/2002	GROUNDWATER	155.00	165.00	85.50	95.50
WS-4PT1A	WS-4	05/02/2002	GROUNDWATER				
WS-4PT2A	WS-4	05/07/2002	GROUNDWATER				
WS-4PT3A	WS-4	05/17/2002	GROUNDWATER				
DW050202	GAC WATER	05/02/2002	IDW				
DW050902	GAC WATER	05/09/2002	IDW				
DW051602	GAC WATER	05/16/2002	IDW				
DW052202	GAC WATER	05/22/2002	IDW				
DW052402	GAC WATER	05/24/2002	IDW				

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SAMPLING PROGRESS
5/1/2002 - 5/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
DW052902	GAC WATER	05/30/2002	IDW				
DW052902A	GAC WATER	05/30/2002	IDW				
DW052902B	GAC WATER	05/30/2002	IDW				
DW053002	GAC WATER	05/31/2002	IDW				
SC02-07A	SOIL CUTTINGS	05/13/2002	IDW				
SC02-10A	SOIL CUTTINGS	05/13/2002	IDW				
SC02-10D	SOIL CUTTINGS	05/13/2002	IDW				
SC02-13A	SOIL CUTTINGS	05/13/2002	IDW				
SC20901	SOIL CUTTINGS	05/13/2002	IDW				
SC21001	SOIL CUTTINGS	05/13/2002	IDW				
SC21001D	SOIL CUTTINGS	05/13/2002	IDW				
SC21101	SOIL CUTTINGS	05/13/2002	IDW				
SC21201	SOIL CUTTINGS	05/13/2002	IDW				
SC21301	SOIL CUTTINGS	05/13/2002	IDW				
SC21401	SOIL CUTTINGS	05/13/2002	IDW				
J2.M.T6A.001.1.0	Target 6A Wax	05/13/2002	OTHER	0.00	0.00		
G215DAA	MW-215	05/06/2002	PROFILE	120.00	120.00	13.85	13.85
G215DBA	MW-215	05/06/2002	PROFILE	130.00	130.00	23.85	23.85
G215DCA	MW-215	05/06/2002	PROFILE	140.00	140.00	33.85	33.85
G215DDA	MW-215	05/06/2002	PROFILE	150.00	150.00	43.85	43.85
G215DEA	MW-215	05/06/2002	PROFILE	160.00	160.00	53.85	53.85
G215DED	MW-215	05/06/2002	PROFILE	160.00	160.00	53.85	53.85
G215DFA	MW-215	05/06/2002	PROFILE	170.00	170.00	63.85	63.85
G215DGA	MW-215	05/06/2002	PROFILE	180.00	180.00	73.85	73.85
G215DHA	MW-215	05/06/2002	PROFILE	190.00	190.00	83.85	83.85
G215DIA	MW-215	05/06/2002	PROFILE	200.00	200.00	93.85	93.85
G215DJA	MW-215	05/06/2002	PROFILE	210.00	210.00	103.85	103.85
G215DKA	MW-215	05/07/2002	PROFILE	220.00	220.00	113.85	113.85
G215DLA	MW-215	05/07/2002	PROFILE	230.00	230.00	123.85	123.85
G215DMA	MW-215	05/08/2002	PROFILE	240.00	240.00	133.85	133.85
G215DNA	MW-215	05/08/2002	PROFILE	250.00	250.00	143.85	143.85
G215DOA	MW-215	05/08/2002	PROFILE	260.00	260.00	153.85	153.85
G215DPA	MW-215	05/08/2002	PROFILE	270.00	270.00	163.85	163.85
G216DAA	MW-216	05/06/2002	PROFILE	210.00	210.00	1.70	1.70
G216DBA	MW-216	05/06/2002	PROFILE	220.00	220.00	11.70	11.70
G216DCA	MW-216	05/07/2002	PROFILE	230.00	230.00	21.70	21.70
G216DDA	MW-216	05/07/2002	PROFILE	240.00	240.00	31.70	31.70
G216DFA	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70
G216DFD	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70
G216DGA	MW-216	05/08/2002	PROFILE	270.00	270.00	61.70	61.70
G216DHA	MW-216	05/08/2002	PROFILE	280.00	280.00	71.70	71.70
G216DIA	MW-216	05/08/2002	PROFILE	290.00	290.00	81.70	81.70
G216DJA	MW-216	05/08/2002	PROFILE	300.00	300.00	91.70	91.70
G216DKA	MW-216	05/08/2002	PROFILE	310.00	310.00	101.70	101.70
G216DLA	MW-216	05/08/2002	PROFILE	320.00	320.00	111.70	111.70
G216DMA	MW-216	05/08/2002	PROFILE	330.00	330.00	121.70	121.70
G216DNA	MW-216	05/09/2002	PROFILE	340.00	340.00	131.70	131.70
G216DOA	MW-216	05/09/2002	PROFILE	350.00	350.00	141.70	141.70
G216DPA	MW-216	05/09/2002	PROFILE	360.00	360.00	151.70	151.70

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5/1/2002 - 5/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G216DQA	MW-216	05/09/2002	PROFILE	370.00	370.00	161.70	161.70
G217DAA	MW-217	05/14/2002	PROFILE	10.00	10.00	4.20	4.20
G217DBA	MW-217	05/14/2002	PROFILE	20.00	20.00	14.20	14.20
G217DCA	MW-217	05/14/2002	PROFILE	30.00	30.00	24.20	24.20
G217DDA	MW-217	05/14/2002	PROFILE	40.00	40.00	34.20	34.20
G217DEA	MW-217	05/14/2002	PROFILE	50.00	50.00	44.20	44.20
G217DFA	MW-217	05/14/2002	PROFILE	60.00	60.00	54.20	54.20
G217DGA	MW-217	05/14/2002	PROFILE	70.00	70.00	64.20	64.20
G217DHA	MW-217	05/14/2002	PROFILE	80.00	80.00	74.20	74.20
G217DIA	MW-217	05/14/2002	PROFILE	90.00	90.00	84.20	84.20
G217DJA	MW-217	05/14/2002	PROFILE	100.00	100.00	94.20	94.20
G217DKA	MW-217	05/14/2002	PROFILE	110.00	110.00	104.20	104.20
G217DLA	MW-217	05/14/2002	PROFILE	120.00	120.00	114.20	114.20
G217DMA	MW-217	05/14/2002	PROFILE	130.00	130.00	124.20	124.20
G217DNA	MW-217	05/15/2002	PROFILE	140.00	140.00	134.20	134.20
G217DOA	MW-217	05/15/2002	PROFILE	150.00	150.00	144.20	144.20
G217DOD	MW-217	05/15/2002	PROFILE	150.00	150.00	144.20	144.20
G217DPA	MW-217	05/15/2002	PROFILE	160.00	160.00	154.20	154.20
G218DAA	MW-218	05/08/2002	PROFILE	10.00	10.00	3.83	3.83
G218DBA	MW-218	05/09/2002	PROFILE	20.00	20.00	13.83	13.83
G218DCA	MW-218	05/09/2002	PROFILE	30.00	30.00	23.83	23.83
G218DDA	MW-218	05/09/2002	PROFILE	40.00	40.00	33.83	33.83
G218DEA	MW-218	05/09/2002	PROFILE	50.00	50.00	43.83	43.83
G218DFA	MW-218	05/09/2002	PROFILE	60.00	60.00	53.83	53.83
G218DGA	MW-218	05/09/2002	PROFILE	70.00	70.00	63.83	63.83
G218DHA	MW-218	05/09/2002	PROFILE	80.00	80.00	73.83	73.83
G218DHD	MW-218	05/09/2002	PROFILE	80.00	80.00	73.83	73.83
G218DIA	MW-218	05/10/2002	PROFILE	90.00	90.00	83.83	83.83
G218DJA	MW-218	05/10/2002	PROFILE	100.00	100.00	93.83	93.83
G218DKA	MW-218	05/10/2002	PROFILE	110.00	110.00	103.83	103.83
G218DLA	MW-218	05/10/2002	PROFILE	120.00	120.00	113.83	113.83
G218DMA	MW-218	05/10/2002	PROFILE	130.00	130.00	123.83	123.83
G218DNA	MW-218	05/10/2002	PROFILE	140.00	140.00	133.83	133.83
G218DOA	MW-218	05/10/2002	PROFILE	150.00	150.00	143.83	143.83
G218DPA	MW-218	05/13/2002	PROFILE	160.00	160.00	153.83	153.83
G218DQA	MW-218	05/13/2002	PROFILE	170.00	170.00	163.83	163.83
G218DRA	MW-218	05/13/2002	PROFILE	180.00	180.00	173.83	173.83
G219DAA	MW-219	05/29/2002	PROFILE	195.00	195.00	8.00	8.00
G219DBA	MW-219	05/30/2002	PROFILE	200.00	200.00	13.00	13.00
G219DCA	MW-219	05/30/2002	PROFILE	210.00	210.00	23.00	23.00
G219DDA	MW-219	05/30/2002	PROFILE	220.00	220.00	33.00	33.00
G219DEA	MW-219	05/30/2002	PROFILE	230.00	230.00	43.00	43.00
G219DEA	MW-219	05/31/2002	PROFILE	230.00	230.00	43.00	43.00
G219DFA	MW-219	05/30/2002	PROFILE	240.00	240.00	53.00	53.00
G219DFA	MW-219	05/31/2002	PROFILE	240.00	240.00	53.00	53.00
G219DGA	MW-219	05/30/2002	PROFILE	250.00	250.00	63.00	63.00
G219DHA	MW-219	05/30/2002	PROFILE	260.00	260.00	73.00	73.00
G220DAA	MW-220	05/28/2002	PROFILE	140.00	140.00	12.00	12.00
G220DBA	MW-220	05/28/2002	PROFILE	150.00	150.00	22.00	22.00

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TABLE 2
SAMPLING PROGRESS
5/1/2002 - 5/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G220DCA	MW-220	05/28/2002	PROFILE	160.00	160.00	32.00	32.00
G220DDA	MW-220	05/28/2002	PROFILE	170.00	170.00	42.00	42.00
G220DEA	MW-220	05/28/2002	PROFILE	180.00	180.00	52.00	52.00
G220DFA	MW-220	05/28/2002	PROFILE	190.00	190.00	62.00	62.00
G220DGA	MW-220	05/29/2002	PROFILE	200.00	200.00	72.00	72.00
G220DHA	MW-220	05/29/2002	PROFILE	210.00	210.00	82.00	82.00
G220DIA	MW-220	05/29/2002	PROFILE	220.00	220.00	92.00	92.00
G220DJA	MW-220	05/29/2002	PROFILE	230.00	230.00	102.00	102.00
G220DKA	MW-220	05/29/2002	PROFILE	240.00	240.00	112.00	112.00
G220DKD	MW-220	05/29/2002	PROFILE	240.00	240.00	112.00	112.00
G220DLA	MW-220	05/29/2002	PROFILE	250.00	250.00	122.00	122.00
G220DMA	MW-220	05/29/2002	PROFILE	260.00	260.00	132.00	132.00
G220DNA	MW-220	05/29/2002	PROFILE	270.00	270.00	142.00	142.00
G220DOA	MW-220	05/30/2002	PROFILE	280.00	280.00	152.00	152.00
G220DPA	MW-220	05/30/2002	PROFILE	290.00	290.00	162.00	162.00
G220DQA	MW-220	05/30/2002	PROFILE	300.00	300.00	172.00	172.00
G220DRA	MW-220	05/30/2002	PROFILE	309.00	309.00	181.00	181.00
G221DAA	MW-221	05/14/2002	PROFILE	150.00	150.00	4.50	4.50
G221DBA	MW-221	05/14/2002	PROFILE	160.00	160.00	14.50	14.50
G221DCA	MW-221	05/14/2002	PROFILE	170.00	170.00	24.50	24.50
G221DDA	MW-221	05/14/2002	PROFILE	180.00	180.00	34.50	34.50
G221DEA	MW-221	05/14/2002	PROFILE	190.00	190.00	44.50	44.50
G221DFA	MW-221	05/14/2002	PROFILE	200.00	200.00	54.50	54.50
G221DFD	MW-221	05/14/2002	PROFILE	200.00	200.00	54.50	54.50
G221DGA	MW-221	05/14/2002	PROFILE	210.00	210.00	64.50	64.50
G221DHA	MW-221	05/14/2002	PROFILE	220.00	220.00	74.50	74.50
G221DHA	MW-221	05/15/2002	PROFILE	220.00	220.00	74.50	74.50
G221DIA	MW-221	05/15/2002	PROFILE	230.00	230.00	84.50	84.50
G221DJA	MW-221	05/15/2002	PROFILE	240.00	240.00	94.50	94.50
G221DKA	MW-221	05/15/2002	PROFILE	250.00	250.00	104.50	104.50
G221DLA	MW-221	05/15/2002	PROFILE	260.00	260.00	114.50	114.50
G221DMA	MW-221	05/16/2002	PROFILE	270.00	270.00	124.50	124.50
G221DNA	MW-221	05/16/2002	PROFILE	280.00	280.00	134.50	134.50
G221DOA	MW-221	05/16/2002	PROFILE	290.00	290.00	144.50	144.50
G221DPA	MW-221	05/17/2002	PROFILE	300.00	300.00	154.50	154.50
G221DQA	MW-221	05/17/2002	PROFILE	310.00	310.00	164.50	164.50
G221DRA	MW-221	05/17/2002	PROFILE	320.00	320.00	174.50	174.50
G221DSA	MW-221	05/17/2002	PROFILE	330.00	330.00	184.50	184.50
G221DTA	MW-221	05/17/2002	PROFILE	340.00	340.00	194.50	194.50
G222DAA	MW-222	05/14/2002	PROFILE	125.00	125.00	9.70	9.70
G222DBA	MW-222	05/14/2002	PROFILE	130.00	130.00	14.70	14.70
G222DCA	MW-222	05/15/2002	PROFILE	140.00	140.00	24.70	24.70
G222DDA	MW-222	05/15/2002	PROFILE	150.00	150.00	34.70	34.70
G222DEA	MW-222	05/15/2002	PROFILE	160.00	160.00	44.70	44.70
G222DFA	MW-222	05/15/2002	PROFILE	170.00	170.00	54.70	54.70
G222DFD	MW-222	05/15/2002	PROFILE	170.00	170.00	54.70	54.70
G222DGA	MW-222	05/15/2002	PROFILE	180.00	180.00	64.70	64.70
G222DHA	MW-222	05/15/2002	PROFILE	190.00	190.00	74.70	74.70
G222DIA	MW-222	05/15/2002	PROFILE	200.00	200.00	84.70	84.70

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SAMPLING PROGRESS
5/1/2002 - 5/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G222DJA	MW-222	05/15/2002	PROFILE	210.00	210.00	94.70	94.70
G222DKA	MW-222	05/15/2002	PROFILE	220.00	220.00	104.70	104.70
G222DLA	MW-222	05/15/2002	PROFILE	230.00	230.00	114.70	114.70
G222DMA	MW-222	05/15/2002	PROFILE	240.00	240.00	124.70	124.70
G222DNA	MW-222	05/15/2002	PROFILE	250.00	250.00	134.70	134.70
G222DOA	MW-222	05/15/2002	PROFILE	260.00	260.00	144.70	144.70
G222DPA	MW-222	05/15/2002	PROFILE	270.00	270.00	154.70	154.70
G222DQA	MW-222	05/16/2002	PROFILE	280.00	280.00	164.70	164.70
G222DRA	MW-222	05/16/2002	PROFILE	290.00	290.00	174.70	174.70
G222DSA	MW-222	05/16/2002	PROFILE	300.00	300.00	184.70	184.70
G223DAA	MW-223	05/31/2002	PROFILE	100.00	100.00	7.80	7.80
G224DAA	MW-224	05/31/2002	PROFILE	140.00	140.00	18.40	18.40
G224DBA	MW-224	05/31/2002	PROFILE	150.00	150.00	28.40	28.40
G224DCA	MW-224	05/31/2002	PROFILE	160.00	160.00	38.40	38.40
G224DDA	MW-224	05/31/2002	PROFILE	170.00	170.00	48.40	48.40
G224DEA	MW-224	05/31/2002	PROFILE	180.00	180.00	58.40	58.40
G224DFA	MW-224	05/31/2002	PROFILE	190.00	190.00	68.40	68.40
J2.F.T2T.XC1.4.0	TARGET 2 TANGO	05/28/2002	SOIL GRAB	1.75	2.00		
HC05A11AAA	05A1	05/01/2002	SOIL GRID	0.00	0.25		
HC05A11BAA	05A1	05/01/2002	SOIL GRID	0.25	0.50		
HC05A11CAA	05A1	05/01/2002	SOIL GRID	0.50	1.00		
HC05A11CAD	05A1	05/01/2002	SOIL GRID	0.50	1.00		
HC05A21AAA	05A2	05/01/2002	SOIL GRID	0.00	0.25		
HC05A21BAA	05A2	05/01/2002	SOIL GRID	0.25	0.50		
HC05A21CAA	05A2	05/01/2002	SOIL GRID	0.50	1.00		
HC05A31AAA	05A3	05/02/2002	SOIL GRID	0.00	0.25		
HC05A31BAA	05A3	05/02/2002	SOIL GRID	0.25	0.50		
HC05A31CAA	05A3	05/02/2002	SOIL GRID	0.50	1.00		
HC05PA1AAA	05PA	05/01/2002	SOIL GRID	0.00	0.25		
HC05PA1BAA	05PA	05/01/2002	SOIL GRID	0.25	0.50		
HC05PA1CAA	05PA	05/01/2002	SOIL GRID	0.50	1.00		
HC05PB1AAA	05PB	05/02/2002	SOIL GRID	0.00	0.25		
HC05PB1BAA	05PB	05/02/2002	SOIL GRID	0.25	0.50		
HC05PB1CAA	05PB	05/02/2002	SOIL GRID	0.50	1.00		
HC05PB1CAD	05PB	05/02/2002	SOIL GRID	0.50	1.00		
HC05TC1AAA	05TC	05/01/2002	SOIL GRID	0.00	0.25		
HC05TC1CAA	05TC	05/01/2002	SOIL GRID	0.50	1.00		
HC05TC1DAA	05TC	05/01/2002	SOIL GRID	0.25	0.50		
HC102IAA1AAA	102IAA	05/02/2002	SOIL GRID	0.00	0.50		
HC102IAA1BAA	102IAA	05/02/2002	SOIL GRID	0.50	1.00		
HC102IAA1CAA	102IAA	05/02/2002	SOIL GRID	1.00	2.00		
HC102IAB1AAA	102IAB	05/02/2002	SOIL GRID	0.00	0.50		
HC102IAB1BAA	102IAB	05/02/2002	SOIL GRID	0.50	1.00		
HC102IAB1CAA	102IAB	05/02/2002	SOIL GRID	1.00	2.00		
HC102IAB1CAD	102IAB	05/02/2002	SOIL GRID	1.00	2.00		
HC102LCA1AAA	102LCA	05/03/2002	SOIL GRID	0.00	0.50		
HC102LCA1BAA	102LCA	05/03/2002	SOIL GRID	0.50	1.00		
HC102LCA1CAA	102LCA	05/03/2002	SOIL GRID	1.00	2.00		
HC102LCB1AAA	102LCB	05/03/2002	SOIL GRID	0.00	0.50		

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5/1/2002 - 5/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC102LCB1BAA	102LCB	05/03/2002	SOIL GRID	0.50	1.00		
HC102LCB1CAA	102LCB	05/03/2002	SOIL GRID	1.00	2.00		
HC102LCC1AAA	102LCC	05/03/2002	SOIL GRID	0.00	0.50		
HC102LCC1BAA	102LCC	05/03/2002	SOIL GRID	0.50	1.00		
HC102LCC1CAA	102LCC	05/03/2002	SOIL GRID	1.00	2.00		
HC102NA1AAA	102NA	05/24/2002	SOIL GRID	0.00	0.25		
HC102NA1BAA	102NA	05/24/2002	SOIL GRID	0.25	0.50		
HC102NA1CAA	102NA	05/24/2002	SOIL GRID	0.50	1.00		
HC102NA1CAD	102NA	05/24/2002	SOIL GRID	0.50	1.00		
HC102NAA1AAA	102NAA	05/06/2002	SOIL GRID	0.00	0.25		
HC102NAA1BAA	102NAA	05/06/2002	SOIL GRID	0.25	0.50		
HC102NAA1CAA	102NAA	05/06/2002	SOIL GRID	0.50	1.00		
HC102NAA1CAD	102NAA	05/06/2002	SOIL GRID	0.50	1.00		
HC102NAA1DAA	102NAA	05/06/2002	SOIL GRID	1.50	2.00		
HC102NAB1AAA	102NAB	05/03/2002	SOIL GRID	0.00	0.25		
HC102NAB1BAA	102NAB	05/03/2002	SOIL GRID	0.25	0.50		
HC102NAB1CAA	102NAB	05/03/2002	SOIL GRID	0.50	1.00		
HC102NAB1DAA	102NAB	05/03/2002	SOIL GRID	1.50	2.00		
HC102NB1AAA	102NB	05/24/2002	SOIL GRID	0.00	0.25		
HC102NB1BAA	102NB	05/24/2002	SOIL GRID	0.25	0.50		
HC102NB1CAA	102NB	05/24/2002	SOIL GRID	0.50	1.00		
HC102NBA1AAA	102NBA	05/06/2002	SOIL GRID	0.00	0.25		
HC102NBA1BAA	102NBA	05/06/2002	SOIL GRID	0.25	0.50		
HC102NBA1CAA	102NBA	05/06/2002	SOIL GRID	0.50	1.00		
HC102NBA1DAA	102NBA	05/06/2002	SOIL GRID	1.50	2.00		
HC102PA1AAA	102PA	05/07/2002	SOIL GRID	0.00	0.25		
HC102PA1AAD	102PA	05/07/2002	SOIL GRID	0.00	0.25		
HC102PA1BAA	102PA	05/07/2002	SOIL GRID	0.25	0.50		
HC102PA1CAA	102PA	05/07/2002	SOIL GRID	0.50	1.00		
HC102PB1AAA	102PB	05/07/2002	SOIL GRID	0.00	0.25		
HC102PB1BAA	102PB	05/07/2002	SOIL GRID	0.25	0.50		
HC102PB1CAA	102PB	05/07/2002	SOIL GRID	0.50	1.00		
HC102PC1AAA	102PC	05/09/2002	SOIL GRID	0.00	0.25		
HC102PC1BAA	102PC	05/09/2002	SOIL GRID	0.25	0.50		
HC102PC1CAA	102PC	05/09/2002	SOIL GRID	0.50	1.00		
HC102PD1AAA	102PD	05/09/2002	SOIL GRID	0.00	0.25		
HC102PD1BAA	102PD	05/09/2002	SOIL GRID	0.25	0.50		
HC102PD1CAA	102PD	05/09/2002	SOIL GRID	0.50	1.00		
HC103CA1AAA	103CA	05/06/2002	SOIL GRID	0.00	0.25		
HC103CA1BAA	103CA	05/06/2002	SOIL GRID	0.50	0.50		
HC103CA1CAA	103CA	05/06/2002	SOIL GRID	0.50	1.00		
HC103CB1AAA	103CB	05/06/2002	SOIL GRID	0.00	0.25		
HC103CB1BAA	103CB	05/06/2002	SOIL GRID	0.25	0.50		
HC103CB1CAA	103CB	05/06/2002	SOIL GRID	0.50	1.00		
HC103CC1AAA	103CC	05/07/2002	SOIL GRID	0.00	0.25		
HC103CC1BAA	103CC	05/07/2002	SOIL GRID	0.25	0.50		
HC103CC1CAA	103CC	05/07/2002	SOIL GRID	0.50	1.00		
HC103CD1AAA	103CD	05/07/2002	SOIL GRID	0.00	0.25		
HC103CD1BAA	103CD	05/07/2002	SOIL GRID	0.25	0.50		

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SAMPLING PROGRESS
5/1/2002 - 5/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC103CD1CAA	103CD	05/07/2002	SOIL GRID	0.50	1.00		
HC103CE1AAA	103CE	05/07/2002	SOIL GRID	0.00	0.25		
HC103CE1BAA	103CE	05/07/2002	SOIL GRID	0.25	0.50		
HC103CE1CAA	103CE	05/07/2002	SOIL GRID	0.50	1.00		
HC109A1AAA	109A	05/17/2002	SOIL GRID	0.00	0.25		
HC109A1AAD	109A	05/17/2002	SOIL GRID	0.00	0.25		
HC112A1AAA	112A	05/17/2002	SOIL GRID	0.00	0.25		
HC112A1BAA	112A	05/17/2002	SOIL GRID	0.25	0.50		
HC112A1CAA	112A	05/17/2002	SOIL GRID	0.50	1.00		
HC112B1AAA	112B	05/20/2002	SOIL GRID	0.00	0.25		
HC112B1BAA	112B	05/20/2002	SOIL GRID	0.25	0.50		
HC112B1CAA	112B	05/20/2002	SOIL GRID	0.50	1.00		
HC118A1AAA	118A	05/21/2002	SOIL GRID	0.00	0.25		
HC118B1AAA	118B	05/21/2002	SOIL GRID	0.00	0.25		
HC121A1AAA	121A	05/20/2002	SOIL GRID	0.00	0.25		
HC121A1BAA	121A	05/20/2002	SOIL GRID	0.25	0.50		
HC121A1CAA	121A	05/20/2002	SOIL GRID	0.50	1.00		
HC121B1AAA	121B	05/20/2002	SOIL GRID	0.00	0.25		
HC121B1BAA	121B	05/20/2002	SOIL GRID	0.25	0.50		
HC121B1CAA	121B	05/20/2002	SOIL GRID	0.50	1.00		
HC125A1AAA	125A	05/30/2002	SOIL GRID	0.00	0.25		
HC125A1BAA	125A	05/30/2002	SOIL GRID	0.25	0.50		
HC125A1CAA	125A	05/30/2002	SOIL GRID	0.50	1.00		
HC125B1AAA	125B	05/30/2002	SOIL GRID	0.00	0.25		
HC125B1BAA	125B	05/30/2002	SOIL GRID	0.25	0.50		
HC125B1CAA	125B	05/30/2002	SOIL GRID	0.50	1.00		
HC126A1AAA	126A	05/17/2002	SOIL GRID	0.00	0.25		
HC165A1AAA	165A	05/08/2002	SOIL GRID	0.00	0.25		
HC165A1BAA	165A	05/08/2002	SOIL GRID	0.25	0.50		
HC165A1CAA	165A	05/08/2002	SOIL GRID	0.50	1.00		
HC165B1AAA	165B	05/08/2002	SOIL GRID	0.00	0.25		
HC165B1BAA	165B	05/08/2002	SOIL GRID	0.25	0.50		
HC165B1CAA	165B	05/08/2002	SOIL GRID	0.50	1.00		
HC165C1AAA	165C	05/08/2002	SOIL GRID	0.00	0.25		
HC165C1BAA	165C	05/08/2002	SOIL GRID	0.25	0.50		
HC165C1CAA	165C	05/08/2002	SOIL GRID	0.50	1.00		
HC165D1AAA	165D	05/08/2002	SOIL GRID	0.00	0.25		
HC165D1BAA	165D	05/08/2002	SOIL GRID	0.25	0.50		
HC165D1CAA	165D	05/08/2002	SOIL GRID	0.50	1.00		
HC165E1AAA	165E	05/08/2002	SOIL GRID	0.00	0.25		
HC165E1BAA	165E	05/08/2002	SOIL GRID	0.25	0.50		
HC165E1CAA	165E	05/08/2002	SOIL GRID	5.00	1.00		
HC16A1AAA	16A	05/13/2002	SOIL GRID	0.00	0.50		
HC16A1BAA	16A	05/13/2002	SOIL GRID	1.50	2.00		
HC16B1AAA	16B	05/13/2002	SOIL GRID	0.00	0.50		
HC16B1AAD	16B	05/13/2002	SOIL GRID	0.00	0.50		
HC16B1BAA	16B	05/13/2002	SOIL GRID	1.50	2.00		
HC16C1AAA	16C	05/14/2002	SOIL GRID	0.00	0.50		
HC16C1BAA	16C	05/14/2002	SOIL GRID	1.50	2.00		

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SAMPLING PROGRESS
5/1/2002 - 5/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC16J1AAA	16J	05/14/2002	SOIL GRID	0.00	0.50		
HC16J1BAA	16J	05/14/2002	SOIL GRID	1.50	2.00		
HC16K1AAA	16K	05/14/2002	SOIL GRID	0.00	0.50		
HC16K1BAA	16K	05/14/2002	SOIL GRID	1.50	2.00		
HC16P1AAA	16P	05/14/2002	SOIL GRID	0.00	0.50		
HC16P1BAA	16P	05/14/2002	SOIL GRID	1.50	2.00		
HC16P1BAD	16P	05/14/2002	SOIL GRID	1.50	2.00		
HC16Q1AAA	16Q	05/14/2002	SOIL GRID	0.00	0.50		
HC16Q1BAA	16Q	05/14/2002	SOIL GRID	1.50	2.00		
HC177A1AAA	177A	05/22/2002	SOIL GRID	0.00	0.25		
HC177A1BAA	177A	05/22/2002	SOIL GRID	0.25	0.50		
HC177A1CAA	177A	05/22/2002	SOIL GRID	0.50	1.00		
HC177B1AAA	177B	05/22/2002	SOIL GRID	0.00	0.25		
HC177B1BAA	177B	05/22/2002	SOIL GRID	0.25	0.50		
HC177B1CAA	177B	05/22/2002	SOIL GRID	0.50	1.00		
HC177NA1AAA	177NA	05/22/2002	SOIL GRID	0.00	0.25		
HC177NA1BAA	177NA	05/22/2002	SOIL GRID	0.25	0.50		
HC177NA1CAA	177NA	05/22/2002	SOIL GRID	0.50	1.00		
HC177NB1AAA	177NB	05/22/2002	SOIL GRID	0.00	0.25		
HC177NB1BAA	177NB	05/22/2002	SOIL GRID	0.25	0.50		
HC177NB1CAA	177NB	05/22/2002	SOIL GRID	0.50	1.00		
HC177SA1AAA	177SA	05/22/2002	SOIL GRID	0.00	0.25		
HC177SA1BAA	177SA	05/22/2002	SOIL GRID	0.25	0.50		
HC177SA1CAA	177SA	05/22/2002	SOIL GRID	0.50	1.00		
HC177SB1AAA	177SB	05/23/2002	SOIL GRID	0.00	0.25		
HC177SB1AAD	177SB	05/23/2002	SOIL GRID	0.00	0.25		
HC177SB1BAA	177SB	05/23/2002	SOIL GRID	0.25	0.50		
HC177SB1CAA	177SB	05/23/2002	SOIL GRID	0.25	0.50		
HC178A1AAA	178A	05/23/2002	SOIL GRID	0.00	0.25		
HC178A1BAA	178A	05/23/2002	SOIL GRID	0.25	0.50		
HC178A1CAA	178A	05/23/2002	SOIL GRID	0.50	1.00		
HC178B1AAA	178B	05/23/2002	SOIL GRID	0.00	0.25		
HC178B1BAA	178B	05/23/2002	SOIL GRID	0.25	0.50		
HC178B1CAA	178B	05/23/2002	SOIL GRID	0.50	1.00		
HC178NA1AAA	178NA	05/23/2002	SOIL GRID	0.00	0.25		
HC178NA1BAA	178NA	05/23/2002	SOIL GRID	0.25	0.50		
HC178NA1CAA	178NA	05/23/2002	SOIL GRID	0.50	1.00		
HC178NB1AAA	178NB	05/23/2002	SOIL GRID	0.00	0.25		
HC178NB1BAA	178NB	05/23/2002	SOIL GRID	0.25	0.50		
HC178NB1CAA	178NB	05/23/2002	SOIL GRID	0.50	1.00		
HC178SA1AAA	178SA	05/31/2002	SOIL GRID	0.00	0.25		
HC178SA1BAA	178SA	05/31/2002	SOIL GRID	0.25	0.50		
HC178SA1CAA	178SA	05/31/2002	SOIL GRID	0.50	1.00		
HC178SB1AAA	178SB	05/31/2002	SOIL GRID	0.00	0.25		
HC178SB1AAD	178SB	05/31/2002	SOIL GRID	0.00	0.25		
HC178SB1BAA	178SB	05/31/2002	SOIL GRID	0.25	0.50		
HC178SB1CAA	178SB	05/31/2002	SOIL GRID	0.50	1.00		
HC179A1AAA	179A	05/21/2002	SOIL GRID	0.00	0.25		
HC179A1BAA	179A	05/21/2002	SOIL GRID	0.25	0.50		

Profiling methods include: Volatiles and Explosives
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Other Sample Types methods are variable
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TABLE 2
SAMPLING PROGRESS
5/1/2002 - 5/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC179A1CAA	179A	05/21/2002	SOIL GRID	0.50	1.00		
HC179B1AAA	179B	05/21/2002	SOIL GRID	0.00	0.25		
HC179B1BAA	179B	05/21/2002	SOIL GRID	0.25	0.50		
HC179B1CAA	179B	05/21/2002	SOIL GRID	0.50	1.00		
HC180A1AAA	180A	05/15/2002	SOIL GRID	0.00	0.25		
HC180A1BAA	180A	05/15/2002	SOIL GRID	0.25	0.50		
HC180A1CAA	180A	05/15/2002	SOIL GRID	0.50	1.00		
HC180B1AAA	180B	05/16/2002	SOIL GRID	0.00	0.25		
HC180B1BAA	180B	05/16/2002	SOIL GRID	0.25	0.50		
HC180B1CAA	180B	05/16/2002	SOIL GRID	0.50	1.00		
HC181A1AAA	181A	05/29/2002	SOIL GRID	0.00	0.25		
HC181A1BAA	181A	05/29/2002	SOIL GRID	0.25	0.50		
HC181A1CAA	181A	05/29/2002	SOIL GRID	0.50	1.00		
HC181B1AAA	181B	05/29/2002	SOIL GRID	0.00	0.25		
HC181B1BAA	181B	05/29/2002	SOIL GRID	0.25	0.50		
HC181B1CAA	181B	05/29/2002	SOIL GRID	0.50	1.00		
HC182A1AAA	182A	05/14/2002	SOIL GRID	0.00	0.25		
HC182A1BAA	182A	05/14/2002	SOIL GRID	0.25	0.50		
HC182A1CAA	182A	05/14/2002	SOIL GRID	0.50	1.00		
HC182B1AAA	182B	05/14/2002	SOIL GRID	0.00	0.25		
HC182B1BAA	182B	05/14/2002	SOIL GRID	0.25	0.50		
HC182B1CAA	182B	05/14/2002	SOIL GRID	0.50	1.00		
HC183A1AAA	183A	05/16/2002	SOIL GRID	0.00	0.25		
HC183A1BAA	183A	05/16/2002	SOIL GRID	0.25	0.50		
HC183A1CAA	183A	05/16/2002	SOIL GRID	0.50	1.00		
HC183B1AAA	183B	05/16/2002	SOIL GRID	0.00	0.25		
HC183B1BAA	183B	05/16/2002	SOIL GRID	0.25	0.50		
HC183B1CAA	183B	05/16/2002	SOIL GRID	0.50	1.00		
HC184A1AAA	184A	05/16/2002	SOIL GRID	0.00	0.25		
HC184A1BAA	184A	05/16/2002	SOIL GRID	0.20	0.50		
HC184A1CAA	184A	05/17/2002	SOIL GRID	0.50	1.00		
HC184B1AAA	184B	05/17/2002	SOIL GRID	0.00	0.25		
HC184B1BAA	184B	05/17/2002	SOIL GRID	0.25	0.50		
HC184B1CAA	184B	05/17/2002	SOIL GRID	0.50	1.00		
HC185A1AAA	185A	05/15/2002	SOIL GRID	0.00	0.25		
HC185A1BAA	185A	05/15/2002	SOIL GRID	0.25	0.50		
HC185A1CAA	185A	05/15/2002	SOIL GRID	0.50	1.00		
HC185B1AAA	185B	05/15/2002	SOIL GRID	0.00	0.25		
HC185B1BAA	185B	05/15/2002	SOIL GRID	0.25	0.50		
HC185B1CAA	185B	05/15/2002	SOIL GRID	0.50	1.00		
HC196C1AAA	196C	05/24/2002	SOIL GRID	0.00	0.50		
HC196C1BAA	196C	05/24/2002	SOIL GRID	1.50	2.00		
HC51O1AAA	51O	05/10/2002	SOIL GRID	0.00	0.50		
HC51O1BAA	51O	05/10/2002	SOIL GRID	1.50	2.00		
HC51P1AAA	51P	05/10/2002	SOIL GRID	0.00	0.50		
HC51P1BAA	51P	05/10/2002	SOIL GRID	1.50	2.00		
HC51Q1AAA	51Q	05/10/2002	SOIL GRID	0.00	0.50		
HC51Q1AAD	51Q	05/10/2002	SOIL GRID	0.00	0.50		
HC51Q1BAA	51Q	05/10/2002	SOIL GRID	1.50	2.00		

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TABLE 2
SAMPLING PROGRESS
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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC52J1AAA	52J	05/07/2002	SOIL GRID	0.00	0.50		
HC52J1BAA	52J	05/07/2002	SOIL GRID	1.50	2.00		
HC52R1AAA	52R	05/07/2002	SOIL GRID	0.00	0.50		
HC52R1BAA	52R	05/07/2002	SOIL GRID	1.50	2.00		
HC52S1AAA	52S	05/07/2002	SOIL GRID	0.00	0.50		
HC52S1BAA	52S	05/07/2002	SOIL GRID	1.50	2.00		
HC52S1BAD	52S	05/07/2002	SOIL GRID	1.50	2.00		
HC52T1AAA	52T	05/07/2002	SOIL GRID	0.00	0.50		
HC52T1BAA	52T	05/07/2002	SOIL GRID	1.50	2.00		
HC52U1AAA	52U	05/07/2002	SOIL GRID	0.00	0.50		
HC52U1BAA	52U	05/07/2002	SOIL GRID	1.50	2.00		
HC52U1BAD	52U	05/07/2002	SOIL GRID	1.50	2.00		
HC53G1AAA	53G	05/06/2002	SOIL GRID	0.00	0.50		
HC53G1BAA	53G	05/06/2002	SOIL GRID	1.50	2.00		
HC53J1AAA	53J	05/03/2002	SOIL GRID	0.00	0.50		
HC53J1BAA	53J	05/03/2002	SOIL GRID	1.50	2.00		
HC53U1AAA	53U	05/06/2002	SOIL GRID	0.00	0.50		
HC53U1BAA	53U	05/06/2002	SOIL GRID	1.50	2.00		
HC53U1BAD	53U	05/06/2002	SOIL GRID	1.50	2.00		
HC53V1AAA	53V	05/06/2002	SOIL GRID	0.00	0.50		
HC53V1BAA	53V	05/06/2002	SOIL GRID	1.50	2.00		
HC53W1AAA	153W	05/03/2002	SOIL GRID	0.00	0.50		
HC53W1BAA	153W	05/03/2002	SOIL GRID	1.50	2.00		
HC53X1AAA	53X	05/06/2002	SOIL GRID	0.00	0.50		
HC53X1BAA	53X	05/06/2002	SOIL GRID	1.50	2.00		
HC53X1BAD	53X	05/06/2002	SOIL GRID	1.50	2.00		
HC58J1AAA	58J	05/06/2002	SOIL GRID	0.00	0.50		
HC58J1AAD	58J	05/06/2002	SOIL GRID	0.00	0.50		
HC58J1BAA	58J	05/06/2002	SOIL GRID	1.50	2.00		
HC61C1AAA	61C	05/02/2002	SOIL GRID	0.00	0.50		
HC61C1BAA	61C	05/02/2002	SOIL GRID	1.50	2.00		
HC61D1AAA	61D	05/02/2002	SOIL GRID	0.00	0.50		
HC61D1BAA	61D	05/02/2002	SOIL GRID	1.50	2.00		
HC61E1AAA	61E	05/01/2002	SOIL GRID	0.00	0.50		
HC61E1BAA	61E	05/01/2002	SOIL GRID	1.50	2.00		
HC61F1AAA	61F	05/02/2002	SOIL GRID	0.00	0.50		
HC61F1BAA	61F	05/02/2002	SOIL GRID	1.50	2.00		
HC61G1AAA	61G	05/02/2002	SOIL GRID	0.00	0.50		
HC61G1BAA	61G	05/02/2002	SOIL GRID	1.50	2.00		
HC61H1AAA	61H	05/01/2002	SOIL GRID	0.00	0.50		
HC61H1BAA	61H	05/01/2002	SOIL GRID	1.50	2.00		
HC61I1AAA	61I	05/01/2002	SOIL GRID	0.00	0.50		
HC61I1BAA	61I	05/01/2002	SOIL GRID	1.50	2.00		
HC61J1AAA	61J	05/01/2002	SOIL GRID	0.00	0.50		
HC61J1BAA	61J	05/01/2002	SOIL GRID	1.50	2.00		
HC61J1BAD	61J	05/01/2002	SOIL GRID	1.50	2.00		
HC61K1AAA	61K	05/02/2002	SOIL GRID	0.00	0.50		
HC61K1BAA	61K	05/02/2002	SOIL GRID	1.50	2.00		
HC61L1AAA	61L	05/02/2002	SOIL GRID	0.00	0.50		

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TABLE 2
SAMPLING PROGRESS
5/1/2002 - 5/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC61L1BAA	61L	05/02/2002	SOIL GRID	1.50	2.00		
HC61R1AAA	61R	05/02/2002	SOIL GRID	0.00	0.50		
HC61R1BAA	61R	05/02/2002	SOIL GRID	1.50	2.00		
HC64F1AAA	64F	05/01/2002	SOIL GRID	0.00	0.50		
HC64F1BAA	64F	05/01/2002	SOIL GRID	1.50	2.00		
HC64K1AAA	64K	05/01/2002	SOIL GRID	0.00	0.50		
HC64K1BAA	64K	05/01/2002	SOIL GRID	1.50	2.00		
HC64L1AAA	64L	05/01/2002	SOIL GRID	0.00	0.50		
HC64L1BAA	64L	05/01/2002	SOIL GRID	1.50	2.00		
HC65A1AAA	65A	05/08/2002	SOIL GRID	0.00	0.50		
HC65A1BAA	65A	05/08/2002	SOIL GRID	1.50	2.00		
HC65B1AAA	65B	05/08/2002	SOIL GRID	0.00	0.50		
HC65B1BAA	65B	05/08/2002	SOIL GRID	1.50	2.00		
HC65B1BAD	65B	05/08/2002	SOIL GRID	1.50	2.00		
HC69F1AAA	69F	05/09/2002	SOIL GRID	0.00	0.50		
HC69F1BAA	69F	05/09/2002	SOIL GRID	1.50	2.00		
HC69H1AAA	69H	05/09/2002	SOIL GRID	0.00	0.50		
HC69H1AAD	69H	05/09/2002	SOIL GRID	0.00	0.50		
HC69H1BAA	69H	05/09/2002	SOIL GRID	1.50	2.00		
HC69I1AAA	69I	05/09/2002	SOIL GRID	0.00	0.50		
HC69I1BAA	69I	05/09/2002	SOIL GRID	1.50	2.00		
HC75A1AAA	75A	05/13/2002	SOIL GRID	0.00	0.50		
HC75A1BAA	75A	05/13/2002	SOIL GRID	1.50	2.00		
HC75B1AAA	75B	05/13/2002	SOIL GRID	0.00	0.50		
HC75B1BAA	75B	05/13/2002	SOIL GRID	1.50	2.00		
HC75C1AAA	75C	05/10/2002	SOIL GRID	0.00	0.50		
HC75C1AAD	75C	05/10/2002	SOIL GRID	0.00	0.50		
HC75C1BAA	75C	05/10/2002	SOIL GRID	1.50	2.00		
HC75D1AAA	75D	05/13/2002	SOIL GRID	0.00	0.50		
HC75D1BAA	75D	05/13/2002	SOIL GRID	1.50	2.00		
HC78A1AAA	78A	05/08/2002	SOIL GRID	0.00	0.50		
HC78A1BAA	78A	05/08/2002	SOIL GRID	1.50	2.00		
HC78A1BAD	78A	05/08/2002	SOIL GRID	1.50	2.00		
HC78D1AAA	78D	05/08/2002	SOIL GRID	0.00	0.50		
HC78D1BAA	78D	05/08/2002	SOIL GRID	1.50	2.00		
HC78D1BAD	78D	05/08/2002	SOIL GRID	1.50	2.00		
HC78R1AAA	78R	05/15/2002	SOIL GRID	0.00	0.50		
HC78R1BAA	78R	05/15/2002	SOIL GRID	1.50	2.00		
HC78S1AAA	78S	05/15/2002	SOIL GRID	0.00	0.50		
HC78S1BAA	78S	05/15/2002	SOIL GRID	1.50	2.00		
HC78S1BAD	78S	05/15/2002	SOIL GRID	1.50	2.00		
HC78T1AAA	78T	05/15/2002	SOIL GRID	0.00	0.50		
HC78T1BAA	78T	05/15/2002	SOIL GRID	1.50	2.00		
HC78U1AAA	78U	05/15/2002	SOIL GRID	0.00	0.50		
HC78U1BAA	78U	05/15/2002	SOIL GRID	1.50	2.00		
HC78V1AAA	78V	05/15/2002	SOIL GRID	0.00	0.50		
HC78V1BAA	78V	05/15/2002	SOIL GRID	1.50	2.00		
HC89A1AAA	89A	05/14/2002	SOIL GRID	0.00	0.25		
HD05A11BAA	05A1	05/01/2002	SOIL GRID	0.25	0.50		

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TABLE 2
SAMPLING PROGRESS
5/1/2002 - 5/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD102C31AAA	102C3	05/09/2002	SOIL GRID	0.00	0.25		
HD102C31AAA	102C3	05/24/2002	SOIL GRID	0.00	0.25		
HD102C41AAA	102C4	05/07/2002	SOIL GRID	0.50	1.00		
HD112A1AAA	112A	05/17/2002	SOIL GRID	0.00	0.25		
HD112A1BAA	112A	05/17/2002	SOIL GRID	0.25	0.50		
HD112A1CAA	112A	05/17/2002	SOIL GRID	0.50	1.00		
HD112A3AAA	112A	05/17/2002	SOIL GRID	0.00	0.25		
HD112A3BAA	112A	05/17/2002	SOIL GRID	0.25	0.50		
HD112A3CAA	112A	05/17/2002	SOIL GRID	0.50	1.00		
HD112A5AAA	112A	05/17/2002	SOIL GRID	0.00	0.25		
HD112A5BAA	112A	05/17/2002	SOIL GRID	0.25	0.50		
HD112A5CAA	112A	05/17/2002	SOIL GRID	0.50	1.00		
HD112A7AAA	112A	05/17/2002	SOIL GRID	0.00	0.25		
HD112A7BAA	112A	05/17/2002	SOIL GRID	0.25	0.50		
HD112A7CAA	112A	05/17/2002	SOIL GRID	0.50	1.00		
HD112B1AAA	112B	05/20/2002	SOIL GRID	0.00	0.25		
HD112B1BAA	112B	05/20/2002	SOIL GRID	0.25	0.50		
HD112B1CAA	112B	05/20/2002	SOIL GRID	0.50	1.00		
HD112B3AAA	112B	05/20/2002	SOIL GRID	0.00	0.25		
HD112B3BAA	112B	05/20/2002	SOIL GRID	0.25	0.50		
HD112B3CAA	112B	05/20/2002	SOIL GRID	0.50	1.00		
HD112B5AAA	112B	05/20/2002	SOIL GRID	0.00	0.25		
HD112B5BAA	112B	05/20/2002	SOIL GRID	0.25	0.50		
HD112B5CAA	112B	05/20/2002	SOIL GRID	0.50	1.00		
HD112B7AAA	112B	05/20/2002	SOIL GRID	0.00	0.25		
HD112B7BAA	112B	05/20/2002	SOIL GRID	0.25	0.50		
HD112B7CAA	112B	05/20/2002	SOIL GRID	0.50	1.00		
HD112B7CAD	112B	05/20/2002	SOIL GRID	0.50	1.00		
HD118A1AAA	118A	05/21/2002	SOIL GRID	0.00	0.25		
HD118A3AAA	118A	05/21/2002	SOIL GRID	0.00	0.25		
HD118A5AAA	118A	05/21/2002	SOIL GRID	0.00	0.25		
HD118A7AAA	118A	05/21/2002	SOIL GRID	0.00	0.25		
HD118B1AAA	118B	05/21/2002	SOIL GRID	0.00	0.25		
HD118B3AAA	118B	05/21/2002	SOIL GRID	0.00	0.25		
HD118B5AAA	118B	05/21/2002	SOIL GRID	0.00	0.25		
HD118B7AAA	118B	05/21/2002	SOIL GRID	0.00	0.25		
HD118B7AAD	118B	05/21/2002	SOIL GRID	0.00	0.25		
HD121A1AAA	121A	05/20/2002	SOIL GRID	0.00	0.25		
HD121A1BAA	121A	05/20/2002	SOIL GRID	0.25	0.50		
HD121A1CAA	121A	05/20/2002	SOIL GRID	0.50	1.00		
HD121A3AAA	121A	05/20/2002	SOIL GRID	0.00	0.25		
HD121A3BAA	121A	05/20/2002	SOIL GRID	0.25	0.50		
HD121A3CAA	121A	05/20/2002	SOIL GRID	0.50	1.00		
HD121A5AAA	121A	05/20/2002	SOIL GRID	0.00	0.25		
HD121A5BAA	121A	05/20/2002	SOIL GRID	0.25	0.50		
HD121A5CAA	121A	05/20/2002	SOIL GRID	0.50	1.00		
HD121A7AAA	121A	05/20/2002	SOIL GRID	0.00	0.25		
HD121A7BAA	121A	05/20/2002	SOIL GRID	0.25	0.50		
HD121A7CAA	121A	05/20/2002	SOIL GRID	0.50	1.00		

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SBD = Sample Begin Depth, measured in feet bgs
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TABLE 2
SAMPLING PROGRESS
5/1/2002 - 5/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD121A7CAD	121A	05/20/2002	SOIL GRID	0.50	1.00		
HD121B1AAA	121B	05/20/2002	SOIL GRID	0.00	0.25		
HD121B1BAA	121B	05/20/2002	SOIL GRID	0.25	0.50		
HD121B1CAA	121B	05/20/2002	SOIL GRID	0.50	1.00		
HD121B3AAA	121B	05/20/2002	SOIL GRID	0.00	0.25		
HD121B3BAA	121B	05/20/2002	SOIL GRID	0.25	0.50		
HD121B3CAA	121B	05/20/2002	SOIL GRID	0.50	1.00		
HD121B5AAA	121B	05/20/2002	SOIL GRID	0.00	0.25		
HD121B5BAA	121B	05/20/2002	SOIL GRID	0.25	0.50		
HD121B5CAA	121B	05/20/2002	SOIL GRID	0.50	1.00		
HD121B7AAA	121B	05/20/2002	SOIL GRID	0.00	0.25		
HD121B7BAA	121B	05/20/2002	SOIL GRID	0.25	0.50		
HD121B7CAA	121B	05/20/2002	SOIL GRID	0.50	1.00		
HD121B7CAD	121B	05/20/2002	SOIL GRID	0.50	1.00		
HD125A1AAA	125A	05/30/2002	SOIL GRID	0.00	0.25		
HD125A1BAA	125A	05/30/2002	SOIL GRID	0.25	0.50		
HD125A1CAA	125A	05/30/2002	SOIL GRID	0.50	1.00		
HD125A3AAA	125A	05/30/2002	SOIL GRID	0.00	0.25		
HD125A3BAA	125A	05/30/2002	SOIL GRID	0.25	0.50		
HD125A3CAA	125A	05/30/2002	SOIL GRID	0.50	1.00		
HD125A5AAA	125A	05/30/2002	SOIL GRID	0.00	0.25		
HD125A5BAA	125A	05/30/2002	SOIL GRID	0.25	0.50		
HD125A5CAA	125A	05/30/2002	SOIL GRID	0.50	1.00		
HD125A7AAA	125A	05/30/2002	SOIL GRID	0.00	0.25		
HD125A7BAA	125A	05/30/2002	SOIL GRID	0.25	0.50		
HD125A7BAD	125A	05/30/2002	SOIL GRID	0.25	0.50		
HD125A7CAA	125A	05/30/2002	SOIL GRID	0.50	1.00		
HD125B1AAA	125B	05/30/2002	SOIL GRID	0.00	0.25		
HD125B1BAA	125B	05/30/2002	SOIL GRID	0.25	0.50		
HD125B1CAA	125B	05/30/2002	SOIL GRID	0.50	1.00		
HD125B3AAA	125B	05/30/2002	SOIL GRID	0.00	0.25		
HD125B3BAA	125B	05/30/2002	SOIL GRID	0.25	0.50		
HD125B3CAA	125B	05/30/2002	SOIL GRID	0.50	1.00		
HD125B5AAA	125B	05/30/2002	SOIL GRID	0.00	0.25		
HD125B5BAA	125B	05/30/2002	SOIL GRID	0.25	0.50		
HD125B5CAA	125B	05/30/2002	SOIL GRID	0.50	1.00		
HD125B7AAA	125B	05/30/2002	SOIL GRID	0.00	0.25		
HD125B7BAA	125B	05/30/2002	SOIL GRID	0.25	0.50		
HD125B7CAA	125B	05/30/2002	SOIL GRID	0.50	1.00		
HD125B7CAD	125B	05/30/2002	SOIL GRID	0.50	1.00		
HD165A3AAA	165A	05/08/2002	SOIL GRID	0.00	0.25		
HD165A3BAA	165A	05/08/2002	SOIL GRID	0.25	0.50		
HD165A3CAA	165A	05/08/2002	SOIL GRID	0.50	1.00		
HD165B3AAA	165B	05/08/2002	SOIL GRID	0.00	0.25		
HD165B3BAA	165B	05/08/2002	SOIL GRID	0.25	0.50		
HD165B3CAA	165B	05/08/2002	SOIL GRID	0.50	1.00		
HD165C3AAA	165C	05/08/2002	SOIL GRID	0.00	0.25		
HD165C3BAA	165C	05/08/2002	SOIL GRID	0.25	0.50		
HD165C3CAA	165C	05/08/2002	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
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TABLE 2
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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD165C3CAD	165C	05/08/2002	SOIL GRID	0.50	1.00		
HD165D3AAA	165D	05/08/2002	SOIL GRID	0.00	0.25		
HD165D3BAA	165D	05/08/2002	SOIL GRID	0.25	0.50		
HD165D3CAA	165D	05/08/2002	SOIL GRID	0.50	1.00		
HD165D3CAD	165D	05/08/2002	SOIL GRID	0.50	1.00		
HD165E3AAA	165E	05/08/2002	SOIL GRID	0.00	0.25		
HD165E3BAA	165E	05/08/2002	SOIL GRID	0.25	0.50		
HD165E3CAA	165E	05/08/2002	SOIL GRID	0.50	1.00		
HD165E3CAD	165E	05/08/2002	SOIL GRID	0.50	1.00		
HD177A1AAA	177A	05/22/2002	SOIL GRID	0.00	0.25		
HD177A1BAA	177A	05/22/2002	SOIL GRID	0.25	0.50		
HD177A1CAA	177A	05/22/2002	SOIL GRID	0.50	1.00		
HD177A3AAA	177A	05/22/2002	SOIL GRID	0.00	0.25		
HD177A3BAA	177A	05/22/2002	SOIL GRID	0.25	0.50		
HD177A3CAA	177A	05/22/2002	SOIL GRID	0.50	1.00		
HD177A5AAA	177A	05/22/2002	SOIL GRID	0.00	0.25		
HD177A5BAA	177A	05/22/2002	SOIL GRID	0.25	0.50		
HD177A5CAA	177A	05/22/2002	SOIL GRID	0.50	1.00		
HD177A7AAA	177A	05/22/2002	SOIL GRID	0.00	0.25		
HD177A7BAA	177A	05/22/2002	SOIL GRID	0.25	0.50		
HD177A7CAA	177A	05/22/2002	SOIL GRID	0.50	1.00		
HD177B1AAA	177B	05/22/2002	SOIL GRID	0.00	0.25		
HD177B1BAA	177B	05/22/2002	SOIL GRID	0.25	0.50		
HD177B1CAA	177B	05/22/2002	SOIL GRID	0.50	1.00		
HD177B3AAA	177B	05/22/2002	SOIL GRID	0.00	0.25		
HD177B3BAA	177B	05/22/2002	SOIL GRID	0.25	0.50		
HD177B3CAA	177B	05/22/2002	SOIL GRID	0.50	1.00		
HD177B5AAA	177B	05/22/2002	SOIL GRID	0.00	0.25		
HD177B5BAA	177B	05/22/2002	SOIL GRID	0.25	0.50		
HD177B5CAA	177B	05/22/2002	SOIL GRID	0.50	1.00		
HD177B7AAA	177B	05/22/2002	SOIL GRID	0.00	0.25		
HD177B7BAA	177B	05/22/2002	SOIL GRID	0.25	0.50		
HD177B7CAA	177B	05/22/2002	SOIL GRID	0.50	1.00		
HD177B7CAD	177B	05/22/2002	SOIL GRID	0.50	1.00		
HD177NA11AAA	177NA	05/22/2002	SOIL GRID	0.00	0.25		
HD177NA11BAA	177NA	05/22/2002	SOIL GRID	0.25	0.50		
HD177NA11CAA	177NA	05/22/2002	SOIL GRID	0.50	1.00		
HD177NA9AAA	177NA	05/22/2002	SOIL GRID	0.00	0.25		
HD177NA9BAA	177NA	05/22/2002	SOIL GRID	0.25	0.50		
HD177NA9CAA	177NA	05/22/2002	SOIL GRID	0.50	1.00		
HD177NB11AAA	177NB	05/22/2002	SOIL GRID	0.00	0.25		
HD177NB11BAA	177NB	05/22/2002	SOIL GRID	0.25	0.50		
HD177NB11CAA	177NB	05/22/2002	SOIL GRID	0.50	1.00		
HD177NB11CAD	177NB	05/22/2002	SOIL GRID	0.50	1.00		
HD177NB9AAA	177NB	05/22/2002	SOIL GRID	0.00	0.25		
HD177NB9BAA	177NB	05/22/2002	SOIL GRID	0.25	0.50		
HD177NB9CAA	177NB	05/22/2002	SOIL GRID	0.50	1.00		
HD177SA14AAA	177SA	05/22/2002	SOIL GRID	0.00	0.25		
HD177SA14BAA	177SA	05/22/2002	SOIL GRID	0.25	0.50		

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TABLE 2
SAMPLING PROGRESS
5/1/2002 - 5/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD177SA14CAA	177SA	05/22/2002	SOIL GRID	0.50	1.00		
HD177SA16AAA	177SA	05/22/2002	SOIL GRID	0.00	0.25		
HD177SA16BAA	177SA	05/22/2002	SOIL GRID	0.25	0.50		
HD177SA16CAA	177SA	05/22/2002	SOIL GRID	0.50	1.00		
HD177SA16CAD	177SA	05/22/2002	SOIL GRID	0.50	1.00		
HD177SB14AAA	177SB	05/23/2002	SOIL GRID	0.00	0.25		
HD177SB14BAA	177SB	05/23/2002	SOIL GRID	0.25	0.50		
HD177SB14CAA	177SB	05/23/2002	SOIL GRID	0.25	0.50		
HD177SB16AAA	177SB	05/23/2002	SOIL GRID	0.00	0.25		
HD177SB16BAA	177SB	05/23/2002	SOIL GRID	0.25	0.50		
HD177SB16CAA	177SB	05/23/2002	SOIL GRID	0.25	0.50		
HD178A1AAA	178A	05/23/2002	SOIL GRID	0.00	0.25		
HD178A1BAA	178A	05/23/2002	SOIL GRID	0.25	0.50		
HD178A1CAA	178A	05/23/2002	SOIL GRID	0.50	1.00		
HD178A3AAA	178A	05/23/2002	SOIL GRID	0.00	0.25		
HD178A3BAA	178A	05/23/2002	SOIL GRID	0.25	0.50		
HD178A3CAA	178A	05/23/2002	SOIL GRID	0.50	1.00		
HD178A5AAA	178A	05/23/2002	SOIL GRID	0.00	0.25		
HD178A5BAA	178A	05/23/2002	SOIL GRID	0.25	0.50		
HD178A5CAA	178A	05/23/2002	SOIL GRID	0.50	1.00		
HD178A7AAA	178A	05/23/2002	SOIL GRID	0.00	0.25		
HD178A7BAA	178A	05/23/2002	SOIL GRID	0.25	0.50		
HD178A7CAA	178A	05/23/2002	SOIL GRID	0.50	1.00		
HD178B1AAA	178B	05/23/2002	SOIL GRID	0.00	0.25		
HD178B1BAA	178B	05/23/2002	SOIL GRID	0.25	0.50		
HD178B1CAA	178B	05/23/2002	SOIL GRID	0.50	1.00		
HD178B3AAA	178B	05/23/2002	SOIL GRID	0.00	0.25		
HD178B3BAA	178B	05/23/2002	SOIL GRID	0.25	0.50		
HD178B3CAA	178B	05/23/2002	SOIL GRID	0.50	1.00		
HD178B5AAA	178B	05/23/2002	SOIL GRID	0.00	0.25		
HD178B5BAA	178B	05/23/2002	SOIL GRID	0.25	0.50		
HD178B5CAA	178B	05/23/2002	SOIL GRID	0.50	1.00		
HD178B7AAA	178B	05/23/2002	SOIL GRID	0.00	0.25		
HD178B7BAA	178B	05/23/2002	SOIL GRID	0.25	0.50		
HD178B7CAA	178B	05/23/2002	SOIL GRID	0.50	1.00		
HD178B7CAD	178B	05/23/2002	SOIL GRID	0.50	1.00		
HD178NA11AAA	178NA	05/23/2002	SOIL GRID	0.00	0.25		
HD178NA11BAA	178NA	05/23/2002	SOIL GRID	0.25	0.50		
HD178NA11CAA	178NA	05/23/2002	SOIL GRID	0.50	1.00		
HD178NA9AAA	178NA	05/23/2002	SOIL GRID	0.00	0.25		
HD178NA9BAA	178NA	05/23/2002	SOIL GRID	0.25	0.50		
HD178NA9CAA	178NA	05/23/2002	SOIL GRID	0.50	1.00		
HD178NB11AAA	178NB	05/23/2002	SOIL GRID	0.00	0.25		
HD178NB11BAA	178NB	05/23/2002	SOIL GRID	0.25	0.50		
HD178NB11CAA	178NB	05/23/2002	SOIL GRID	0.50	1.00		
HD178NB11CAD	178NB	05/23/2002	SOIL GRID	0.50	1.00		
HD178NB9AAA	178NB	05/23/2002	SOIL GRID	0.00	0.25		
HD178NB9BAA	178NB	05/23/2002	SOIL GRID	0.25	0.50		
HD178NB9CAA	178NB	05/23/2002	SOIL GRID	0.50	1.00		

Profiling methods include: Volatiles and Explosives
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TABLE 2
SAMPLING PROGRESS
5/1/2002 - 5/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD178SA14AAA	178SA	05/31/2002	SOIL GRID	0.00	0.25		
HD178SA14BAA	178SA	05/31/2002	SOIL GRID	0.25	0.50		
HD178SA14CAA	178SA	05/31/2002	SOIL GRID	0.50	1.00		
HD178SA16AAA	178SA	05/31/2002	SOIL GRID	0.00	0.25		
HD178SA16BAA	178SA	05/31/2002	SOIL GRID	0.25	0.50		
HD178SA16CAA	178SA	05/31/2002	SOIL GRID	0.50	1.00		
HD178SA16CAD	178SA	05/31/2002	SOIL GRID	0.50	1.00		
HD178SB14AAA	178SB	05/31/2002	SOIL GRID	0.00	0.25		
HD178SB14BAA	178SB	05/31/2002	SOIL GRID	0.25	0.50		
HD178SB14CAA	178SB	05/31/2002	SOIL GRID	0.50	1.00		
HD178SB16AAA	178SB	05/31/2002	SOIL GRID	0.00	0.25		
HD178SB16BAA	178SB	05/31/2002	SOIL GRID	0.25	0.50		
HD178SB16CAA	178SB	05/31/2002	SOIL GRID	0.50	1.00		
HD179A1AAA	179A	05/21/2002	SOIL GRID	0.00	0.25		
HD179A1BAA	179A	05/21/2002	SOIL GRID	0.25	0.50		
HD179A1CAA	179A	05/21/2002	SOIL GRID	0.50	1.00		
HD179A3AAA	179A	05/21/2002	SOIL GRID	0.00	0.25		
HD179A3BAA	179A	05/21/2002	SOIL GRID	0.25	0.50		
HD179A3CAA	179A	05/21/2002	SOIL GRID	0.50	1.00		
HD179A5AAA	179A	05/21/2002	SOIL GRID	0.00	0.25		
HD179A5BAA	179A	05/21/2002	SOIL GRID	0.25	0.50		
HD179A5CAA	179A	05/21/2002	SOIL GRID	0.50	1.00		
HD179A7AAA	179A	05/21/2002	SOIL GRID	0.00	0.25		
HD179A7BAA	179A	05/21/2002	SOIL GRID	0.25	0.50		
HD179A7CAA	179A	05/21/2002	SOIL GRID	0.50	1.00		
HD179B1AAA	179B	05/21/2002	SOIL GRID	0.00	0.25		
HD179B1BAA	179B	05/21/2002	SOIL GRID	0.25	0.50		
HD179B1CAA	179B	05/21/2002	SOIL GRID	0.50	1.00		
HD179B3AAA	179B	05/21/2002	SOIL GRID	0.00	0.25		
HD179B3BAA	179B	05/21/2002	SOIL GRID	0.25	0.50		
HD179B3CAA	179B	05/21/2002	SOIL GRID	0.50	1.00		
HD179B5AAA	179B	05/21/2002	SOIL GRID	0.00	0.25		
HD179B5BAA	179B	05/21/2002	SOIL GRID	0.25	0.50		
HD179B5CAA	179B	05/21/2002	SOIL GRID	0.50	1.00		
HD179B7AAA	179B	05/21/2002	SOIL GRID	0.00	0.25		
HD179B7BAA	179B	05/21/2002	SOIL GRID	0.25	0.50		
HD179B7CAA	179B	05/21/2002	SOIL GRID	0.50	1.00		
HD179B7CAD	179B	05/21/2002	SOIL GRID	0.50	1.00		
HD180A1AAA	180A	05/15/2002	SOIL GRID	0.00	0.25		
HD180A1BAA	180A	05/15/2002	SOIL GRID	0.25	0.50		
HD180A1CAA	180A	05/15/2002	SOIL GRID	0.50	1.00		
HD180A3AAA	180A	05/15/2002	SOIL GRID	0.00	0.25		
HD180A3BAA	180A	05/15/2002	SOIL GRID	0.25	0.50		
HD180A3CAA	180A	05/15/2002	SOIL GRID	0.50	1.00		
HD180A5AAA	180A	05/15/2002	SOIL GRID	0.00	0.25		
HD180A5BAA	180A	05/15/2002	SOIL GRID	0.25	0.50		
HD180A5CAA	180A	05/15/2002	SOIL GRID	0.50	1.00		
HD180A7AAA	180A	05/15/2002	SOIL GRID	0.00	0.25		
HD180A7BAA	180A	05/15/2002	SOIL GRID	0.25	0.50		

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
5/1/2002 - 5/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD180A7CAA	180A	05/15/2002	SOIL GRID	0.50	1.00		
HD180B1AAA	180B	05/16/2002	SOIL GRID	0.00	0.25		
HD180B1BAA	180B	05/16/2002	SOIL GRID	0.25	0.50		
HD180B1CAA	180B	05/16/2002	SOIL GRID	0.50	1.00		
HD180B3AAA	180B	05/16/2002	SOIL GRID	0.00	0.25		
HD180B3BAA	180B	05/16/2002	SOIL GRID	0.25	0.50		
HD180B3CAA	180B	05/16/2002	SOIL GRID	0.50	1.00		
HD180B5AAA	180B	05/16/2002	SOIL GRID	0.00	0.25		
HD180B5BAA	180B	05/16/2002	SOIL GRID	0.25	0.50		
HD180B5CAA	180B	05/16/2002	SOIL GRID	0.50	1.00		
HD180B7AAA	180B	05/16/2002	SOIL GRID	0.00	0.25		
HD180B7BAA	180B	05/16/2002	SOIL GRID	0.25	0.50		
HD180B7CAA	180B	05/16/2002	SOIL GRID	0.50	1.00		
HD180B7CAD	180B	05/16/2002	SOIL GRID	0.50	1.00		
HD181A1AAA	181A	05/29/2002	SOIL GRID	0.00	0.25		
HD181A1BAA	181A	05/29/2002	SOIL GRID	0.25	0.50		
HD181A1CAA	181A	05/29/2002	SOIL GRID	0.50	1.00		
HD181A3AAA	181A	05/29/2002	SOIL GRID	0.00	0.25		
HD181A3BAA	181A	05/29/2002	SOIL GRID	0.25	0.50		
HD181A3CAA	181A	05/29/2002	SOIL GRID	0.50	1.00		
HD181A5AAA	181A	05/29/2002	SOIL GRID	0.00	0.25		
HD181A5BAA	181A	05/29/2002	SOIL GRID	0.25	0.50		
HD181A5CAA	181A	05/29/2002	SOIL GRID	0.50	1.00		
HD181A7AAA	181A	05/29/2002	SOIL GRID	0.00	0.25		
HD181A7BAA	181A	05/29/2002	SOIL GRID	0.25	0.50		
HD181A7CAA	181A	05/29/2002	SOIL GRID	0.50	1.00		
HD181B1AAA	181B	05/29/2002	SOIL GRID	0.00	0.25		
HD181B1BAA	181B	05/29/2002	SOIL GRID	0.25	0.50		
HD181B1CAA	181B	05/29/2002	SOIL GRID	0.50	1.00		
HD181B3AAA	181B	05/29/2002	SOIL GRID	0.00	0.25		
HD181B3BAA	181B	05/29/2002	SOIL GRID	0.25	0.50		
HD181B3CAA	181B	05/29/2002	SOIL GRID	0.50	1.00		
HD181B5AAA	181B	05/29/2002	SOIL GRID	0.00	0.25		
HD181B5BAA	181B	05/29/2002	SOIL GRID	0.25	0.50		
HD181B5CAA	181B	05/29/2002	SOIL GRID	0.50	1.00		
HD181B7AAA	181B	05/29/2002	SOIL GRID	0.00	0.25		
HD181B7BAA	181B	05/29/2002	SOIL GRID	0.25	0.50		
HD181B7CAA	181B	05/29/2002	SOIL GRID	0.50	1.00		
HD181B7CAD	181B	05/29/2002	SOIL GRID	0.50	1.00		
HD182A1AAA	182A	05/14/2002	SOIL GRID	0.00	0.25		
HD182A1BAA	182A	05/14/2002	SOIL GRID	0.25	0.50		
HD182A1CAA	182A	05/14/2002	SOIL GRID	0.50	1.00		
HD182A3AAA	182A	05/14/2002	SOIL GRID	0.00	0.25		
HD182A3BAA	182A	05/14/2002	SOIL GRID	0.25	0.50		
HD182A3CAA	182A	05/14/2002	SOIL GRID	0.50	1.00		
HD182A5AAA	182A	05/14/2002	SOIL GRID	0.00	0.25		
HD182A5BAA	182A	05/14/2002	SOIL GRID	0.25	0.50		
HD182A5CAA	182A	05/14/2002	SOIL GRID	0.50	1.00		
HD182A7AAA	182A	05/14/2002	SOIL GRID	0.00	0.25		

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

TABLE 2
SAMPLING PROGRESS
5/1/2002 - 5/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD182A7BAA	182A	05/14/2002	SOIL GRID	0.25	0.50		
HD182A7CAA	182A	05/14/2002	SOIL GRID	0.50	1.00		
HD182B1AAA	182B	05/14/2002	SOIL GRID	0.00	0.25		
HD182B1BAA	182B	05/14/2002	SOIL GRID	0.25	0.50		
HD182B1CAA	182B	05/14/2002	SOIL GRID	0.50	1.00		
HD182B3AAA	182B	05/14/2002	SOIL GRID	0.00	0.25		
HD182B3BAA	182B	05/14/2002	SOIL GRID	0.25	0.50		
HD182B3CAA	182B	05/14/2002	SOIL GRID	0.50	1.00		
HD182B5AAA	182B	05/14/2002	SOIL GRID	0.00	0.25		
HD182B5BAA	182B	05/14/2002	SOIL GRID	0.25	0.50		
HD182B5CAA	182B	05/14/2002	SOIL GRID	0.50	1.00		
HD182B7AAA	182B	05/14/2002	SOIL GRID	0.00	0.25		
HD182B7BAA	182B	05/14/2002	SOIL GRID	0.25	0.50		
HD182B7CAA	182B	05/14/2002	SOIL GRID	0.50	1.00		
HD183A1AAA	183A	05/16/2002	SOIL GRID	0.00	0.25		
HD183A1BAA	183A	05/16/2002	SOIL GRID	0.25	0.50		
HD183A1CAA	183A	05/16/2002	SOIL GRID	0.50	1.00		
HD183A3AAA	183A	05/16/2002	SOIL GRID	0.00	0.25		
HD183A3BAA	183A	05/16/2002	SOIL GRID	0.25	0.50		
HD183A3CAA	183A	05/16/2002	SOIL GRID	0.50	1.00		
HD183A5AAA	183A	05/16/2002	SOIL GRID	0.00	0.25		
HD183A5BAA	183A	05/16/2002	SOIL GRID	0.25	0.50		
HD183A5CAA	183A	05/16/2002	SOIL GRID	0.50	1.00		
HD183A7AAA	183A	05/16/2002	SOIL GRID	0.00	0.25		
HD183A7BAA	183A	05/16/2002	SOIL GRID	0.25	0.50		
HD183A7CAA	183A	05/16/2002	SOIL GRID	0.50	1.00		
HD183B1AAA	183B	05/16/2002	SOIL GRID	0.00	0.25		
HD183B1BAA	183B	05/16/2002	SOIL GRID	0.25	0.50		
HD183B1CAA	183B	05/16/2002	SOIL GRID	0.50	1.00		
HD183B3AAA	183B	05/16/2002	SOIL GRID	0.00	0.25		
HD183B3BAA	183B	05/16/2002	SOIL GRID	0.25	0.50		
HD183B3CAA	183B	05/16/2002	SOIL GRID	0.50	1.00		
HD183B5AAA	183B	05/16/2002	SOIL GRID	0.00	0.25		
HD183B5BAA	183B	05/16/2002	SOIL GRID	0.25	0.50		
HD183B5CAA	183B	05/16/2002	SOIL GRID	0.50	1.00		
HD183B7AAA	183B	05/16/2002	SOIL GRID	0.00	0.25		
HD183B7BAA	183B	05/16/2002	SOIL GRID	0.25	0.50		
HD183B7CAA	183B	05/16/2002	SOIL GRID	0.50	1.00		
HD183B7CAD	183B	05/16/2002	SOIL GRID	0.50	1.00		
HD184A1AAA	184A	05/16/2002	SOIL GRID	0.00	0.25		
HD184A1BAA	184A	05/16/2002	SOIL GRID	0.20	0.50		
HD184A1CAA	184A	05/17/2002	SOIL GRID	0.50	1.00		
HD184A3AAA	184A	05/16/2002	SOIL GRID	0.00	0.25		
HD184A3BAA	184A	05/16/2002	SOIL GRID	0.20	0.50		
HD184A3CAA	184A	05/17/2002	SOIL GRID	0.50	1.00		
HD184A5AAA	184A	05/16/2002	SOIL GRID	0.00	0.25		
HD184A5BAA	184A	05/16/2002	SOIL GRID	0.20	0.50		
HD184A5CAA	184A	05/17/2002	SOIL GRID	0.50	1.00		
HD184A7AAA	184A	05/16/2002	SOIL GRID	0.00	0.25		

Profiling methods include: Volatiles and Explosives
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
Other Sample Types methods are variable
SBD = Sample Begin Depth, measured in feet bgs
SED = Sample End Depth, measured in feet bgs
BWTS = Depth below water table, start depth, measured in feet
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TABLE 2
SAMPLING PROGRESS
5/1/2002 - 5/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD184A7BAA	184A	05/16/2002	SOIL GRID	0.20	0.50		
HD184A7CAA	184A	05/17/2002	SOIL GRID	0.50	1.00		
HD184B1AAA	184B	05/17/2002	SOIL GRID	0.00	0.25		
HD184B1BAA	184B	05/17/2002	SOIL GRID	0.25	0.50		
HD184B1CAA	184B	05/17/2002	SOIL GRID	0.50	1.00		
HD184B3AAA	184B	05/17/2002	SOIL GRID	0.00	0.25		
HD184B3BAA	184B	05/17/2002	SOIL GRID	0.25	0.50		
HD184B3CAA	184B	05/17/2002	SOIL GRID	0.50	1.00		
HD184B5AAA	184B	05/17/2002	SOIL GRID	0.00	0.25		
HD184B5BAA	184B	05/17/2002	SOIL GRID	0.25	0.50		
HD184B5CAA	184B	05/17/2002	SOIL GRID	0.50	1.00		
HD184B7AAA	184B	05/17/2002	SOIL GRID	0.00	0.25		
HD184B7BAA	184B	05/17/2002	SOIL GRID	0.25	0.50		
HD184B7CAA	184B	05/17/2002	SOIL GRID	0.50	1.00		
HD184B7CAD	184B	05/17/2002	SOIL GRID	0.50	1.00		
HD185A1AAA	185A	05/15/2002	SOIL GRID	0.00	0.25		
HD185A1BAA	185A	05/15/2002	SOIL GRID	0.25	0.50		
HD185A1CAA	185A	05/15/2002	SOIL GRID	0.50	1.00		
HD185A3AAA	185A	05/15/2002	SOIL GRID	0.00	0.25		
HD185A3BAA	185A	05/15/2002	SOIL GRID	0.25	0.50		
HD185A3CAA	185A	05/15/2002	SOIL GRID	0.50	1.00		
HD185A5AAA	185A	05/15/2002	SOIL GRID	0.00	0.25		
HD185A5BAA	185A	05/15/2002	SOIL GRID	0.25	0.50		
HD185A5CAA	185A	05/15/2002	SOIL GRID	0.50	1.00		
HD185A7AAA	185A	05/15/2002	SOIL GRID	0.00	0.25		
HD185A7BAA	185A	05/15/2002	SOIL GRID	0.25	0.50		
HD185A7CAA	185A	05/15/2002	SOIL GRID	0.50	1.00		
HD185B1AAA	185B	05/15/2002	SOIL GRID	0.00	0.25		
HD185B1BAA	185B	05/15/2002	SOIL GRID	0.25	0.50		
HD185B1CAA	185B	05/15/2002	SOIL GRID	0.50	1.00		
HD185B3AAA	185B	05/15/2002	SOIL GRID	0.00	0.25		
HD185B3BAA	185B	05/15/2002	SOIL GRID	0.25	0.50		
HD185B3CAA	185B	05/15/2002	SOIL GRID	0.50	1.00		
HD185B5AAA	185B	05/15/2002	SOIL GRID	0.00	0.25		
HD185B5BAA	185B	05/15/2002	SOIL GRID	0.25	0.50		
HD185B5CAA	185B	05/15/2002	SOIL GRID	0.50	1.00		
HD185B7AAA	185B	05/15/2002	SOIL GRID	0.00	0.25		
HD185B7BAA	185B	05/15/2002	SOIL GRID	0.25	0.50		
HD185B7CAA	185B	05/15/2002	SOIL GRID	0.50	1.00		
HD185B7CAD	185B	05/15/2002	SOIL GRID	0.50	1.00		
HD50C1AAA	50C	05/16/2002	SOIL GRID	0.00	0.50		
HD50C3AAA	50C	05/16/2002	SOIL GRID	0.00	0.50		
HD50C3AAD	50C	05/16/2002	SOIL GRID	0.00	0.50		
HD50C5AAA	50C	05/16/2002	SOIL GRID	0.00	0.50		
HD70B1AAA	70B	05/16/2002	SOIL GRID	0.00	0.50		
HD70B3AAA	70B	05/16/2002	SOIL GRID	0.00	0.50		
HD70B5AAA	70B	05/16/2002	SOIL GRID	0.00	0.50		
J2.F.T2M.XC1.1.0	Target 2M Excavation	05/06/2002	SOIL GRID	0.00	5.83		
J2.F.T2M.XC1.2.0	Target 2M Excavation	05/06/2002	SOIL GRID	5.58	5.83		

Profiling methods include: Volatiles and Explosives
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Other Sample Types methods are variable
SBD = Sample Begin Depth, measured in feet bgs
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BWTS = Depth below water table, start depth, measured in feet
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TABLE 2
SAMPLING PROGRESS
5/1/2002 - 5/31/2002

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
J2.F.T2M.XC1.3.0	Target 2M Excavation	05/06/2002	SOIL GRID	1.00	3.00		
J2.F.T2T.XC1.1.0	Excavation 1	05/28/2002	SOIL GRID	0.00	7.00		
J2.F.T2T.XC1.2.0	Excavation 1	05/28/2002	SOIL GRID	6.75	7.00		
J2.F.T2T.XC1.3.0	Excavation 1	05/28/2002	SOIL GRID	1.75	2.00		
J2.F.T32.XC1.1.0	N/A	04/29/2002	SOIL GRID	0.00	3.00		
J2.F.T32.XC1.2.0	N/A	04/29/2002	SOIL GRID	2.75	3.00		
J2.F.T4.XC1.1.0	Excavation 1	05/28/2002	SOIL GRID	0.00	6.75		
J2.F.T4.XC1.2.0	Excavation 1	05/28/2002	SOIL GRID	6.50	6.75		
J2.F.T6A.XC1.1.0	Target 6A Excavation	05/08/2002	SOIL GRID	0.00	10.00		
J2.F.T6A.XC1.2.0	Target 6A Excavation	05/08/2002	SOIL GRID	10.00	10.25		
J2.F.T6C.XC1.1.0	Target 6C Excavation	05/13/2002	SOIL GRID	0.00	7.25		
J2.F.T6C.XC1.2.0	Target 6C Excavation	05/13/2002	SOIL GRID	7.00	7.25		
LKSNK0005AAA	LKSNK005	05/22/2002	SURFACEWATER				
LKSNK0007AAA	LKSNK007	05/22/2002	SURFACEWATER				
TK102C31AAA	102C3	05/09/2002	WATER				

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 MAY 2002

Friday, May 31, 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
ECMWSNP02	ECMWSNP02D	09/13/1999	504	1,2-DIBROMOETHANE (ETHYL	0.11		UG/L	79.90	84.90	0.05	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-1	7.70		UG/L	6.50	11.50	2.00	X
MW-1	W01SSA	09/30/1997	8330	HEXAHYDRO-1,3,5-TRINITRO-1	2.50		UG/L	0.00	10.00	2.00	X
MW-1	W01SSD	09/30/1997	8330	HEXAHYDRO-1,3,5-TRINITRO-1	2.40		UG/L	0.00	10.00	2.00	X
MW-1	W01MMA	09/29/1997	8330	HEXAHYDRO-1,3,5-TRINITRO-1	4.60		UG/L	44.00	49.00	2.00	X
MW-25	W25SSA	10/16/1997	8330	HEXAHYDRO-1,3,5-TRINITRO-1	2.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	03/05/1998	8330N	2,4,6-TRINITROTOLUENE	10.00	J	UG/L	0.00	10.00	2.00	X
MW-19	W19S2A	07/20/1998	8330N	2,4,6-TRINITROTOLUENE	16.00		UG/L	0.00	10.00	2.00	X
MW-19	W19S2D	07/20/1998	8330N	2,4,6-TRINITROTOLUENE	16.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	02/12/1999	8330N	2,4,6-TRINITROTOLUENE	7.20	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	09/10/1999	8330N	2,4,6-TRINITROTOLUENE	2.60	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	05/12/2000	8330N	2,4,6-TRINITROTOLUENE	3.70	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	05/23/2000	8330N	2,4,6-TRINITROTOLUENE	3.90	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	08/08/2000	8330N	2,4,6-TRINITROTOLUENE	2.00	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	12/08/2000	8330N	2,4,6-TRINITROTOLUENE	2.30	J	UG/L	0.00	10.00	2.00	X
MW-196	W196SSA	02/07/2002	8330N	2,4,6-TRINITROTOLUENE	12.00		UG/L	0.00	5.00	2.00	X
MW-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
MW-45	W45SSA	08/23/2001	8330N	2,6-DINITROTOLUENE	8.30	J	UG/L	0.00	10.00	5.00	X
58MW0001	58MW0001	05/29/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.80		UG/L	3.60	8.60	2.00	X
58MW0001	58MW0001	08/29/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.50		UG/L	4.78	9.78	2.00	X
58MW0001	58MW0001-D	08/29/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.40		UG/L	4.78	9.78	2.00	X
58MW0002	WC2XXA	02/26/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	19.00		UG/L	4.00	9.00	2.00	X
58MW0002	WC2XXA	01/14/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	20.00		UG/L	4.00	9.00	2.00	X
58MW0002	WC2XXA	10/08/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	8.80		UG/L	4.00	9.00	2.00	X
58MW0002	58MW0002	05/23/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	13.00		UG/L	4.00	9.00	2.00	X
58MW0002	58MW0002	09/19/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	15.00		UG/L	4.00	9.00	2.00	X
58MW0009E	WC9EXA	01/26/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	17.00		UG/L	6.50	11.50	2.00	X

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 MAY 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
58MW0009E	WC9EXA	09/28/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	18.00		UG/L	6.50	11.50	2.00	X
58MW0009E	WC9EXD	09/28/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	18.00		UG/L	6.50	11.50	2.00	X
58MW0009E	58MW0009E	05/23/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	8.40		UG/L	6.50	11.50	2.00	X
58MW0009E	58MW0009E	08/29/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	12.00		UG/L	6.50	11.50	2.00	X
58MW0011D	58MW0011D	05/24/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	7.30		UG/L	49.50	54.50	2.00	X
58MW0011D	58MW0011D	09/26/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.50		UG/L	49.50	54.50	2.00	X
58MW0016B	58MW0016B	08/30/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.30		UG/L	28.50	38.50	2.00	X
58MW0016C	58MW0016C	08/30/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.80		UG/L	0.00	10.00	2.00	X
90MW0022	WF22XA	01/26/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.80		UG/L	72.79	77.79	2.00	X
90MW0022	WF22XA	02/16/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.40		UG/L	72.79	77.79	2.00	X
90MW0022	WF22XA	09/30/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.20		UG/L	72.79	77.79	2.00	X
90MW0054	90MW0054	12/08/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.10		UG/L	91.83	96.83	2.00	X
90WT0013	WF13XA	01/16/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.20	J	UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	02/22/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.80		UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	09/07/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.50		UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	05/31/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.10	J	UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	07/31/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.80	J	UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	11/18/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.20		UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	12/12/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.10	J	UG/L	0.00	10.00	2.00	X
MW-1	W01SSD	12/12/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.40		UG/L	0.00	10.00	2.00	X
MW-1	W01M2A	03/01/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.20		UG/L	44.00	49.00	2.00	X
MW-1	W01M2A	05/10/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.90		UG/L	44.00	49.00	2.00	X
MW-1	W01M2A	07/31/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.40	J	UG/L	44.00	49.00	2.00	X
MW-1	W01M2A	11/18/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	8.10		UG/L	44.00	49.00	2.00	X
MW-1	W01M2D	11/18/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	8.00		UG/L	44.00	49.00	2.00	X
MW-1	W01M2A	05/01/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	7.80		UG/L	44.00	49.00	2.00	X
MW-100	W100M1A	06/06/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.30		UG/L	45.00	55.00	2.00	X
MW-100	W100M1D	06/06/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.30		UG/L	45.00	55.00	2.00	X
MW-100	W100M1A	10/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.90		UG/L	45.00	55.00	2.00	X
MW-100	W100M1A	01/27/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.90		UG/L	45.00	55.00	2.00	X
MW-100	W100M1A	10/23/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.90		UG/L	45.00	55.00	2.00	X
MW-100	W100M1D	10/23/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.90		UG/L	45.00	55.00	2.00	X
MW-101	W101M1A	06/06/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.50		UG/L	27.00	37.00	2.00	X

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

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-101	W101M1A	10/23/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.30		UG/L	27.00	37.00	2.00	X
MW-105	W105M1A	06/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.90		UG/L	78.00	88.00	2.00	X
MW-105	W105M1A	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.90		UG/L	78.00	88.00	2.00	X
MW-105	W105M1A	01/27/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.30		UG/L	78.00	88.00	2.00	X
MW-105	W105M1A	10/22/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.10	J	UG/L	78.00	88.00	2.00	X
MW-107	W107M2A	06/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.00		UG/L	5.00	15.00	2.00	X
MW-107	W107M2A	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.10		UG/L	5.00	15.00	2.00	X
MW-107	W107M2A	10/22/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.40		UG/L	5.00	15.00	2.00	X
MW-111	W111M3A	10/10/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.20		UG/L	33.00	43.00	2.00	X
MW-113	W113M2A	09/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	9.20		UG/L	48.00	58.00	2.00	X
MW-113	W113M2A	01/15/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	11.00		UG/L	48.00	58.00	2.00	X
MW-113	W113M2A	04/30/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	15.00		UG/L	48.00	58.00	2.00	X
MW-114	W114M2A	10/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	140.00		UG/L	39.00	49.00	2.00	X
MW-114	W114M2D	10/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	140.00		UG/L	39.00	49.00	2.00	X
MW-114	W114M2A	03/14/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	120.00	J	UG/L	39.00	49.00	2.00	X
MW-114	W114M2A	06/19/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	140.00		UG/L	39.00	49.00	2.00	X
MW-114	W114M1A	03/14/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.00	J	UG/L	96.00	106.00	2.00	X
MW-132	W132SSA	11/09/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.50	J	UG/L	0.00	10.00	2.00	X
MW-132	W132SSA	02/16/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.40	J	UG/L	0.00	10.00	2.00	X
MW-132	W132SSA	12/12/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.80		UG/L	0.00	10.00	2.00	X
MW-147	W147M2A	02/23/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.00		UG/L	77.00	87.00	2.00	X
MW-147	W147M2A	10/24/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.90		UG/L	77.00	87.00	2.00	X
MW-147	W147M1A	02/23/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.70		UG/L	94.00	104.00	2.00	X
MW-147	W147M1A	06/19/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.20		UG/L	94.00	104.00	2.00	X
MW-153	W153M1A	03/23/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	9.20		UG/L	108.00	118.00	2.00	X
MW-153	W153M1A	07/24/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	8.80		UG/L	108.00	118.00	2.00	X
MW-153	W153M1A	10/24/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	7.80		UG/L	108.00	118.00	2.00	X
MW-160	W160SSA	01/23/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.20	J	UG/L	5.00	15.00	2.00	X
MW-163	W163SSA	06/14/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.70		UG/L	0.00	10.00	2.00	X
MW-163	W163SSA	10/10/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.80		UG/L	0.00	10.00	2.00	X
MW-164	W164M2A	05/25/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	12.00		UG/L	119.00	129.00	2.00	X
MW-164	W164M2A	08/21/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	8.00		UG/L	119.00	129.00	2.00	X
MW-164	W164M2A	01/17/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.60		UG/L	119.00	129.00	2.00	X

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-165	W165M2A	05/08/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	60.00		UG/L	46.00	56.00	2.00	X
MW-165	W165M2A	08/16/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	50.00		UG/L	46.00	56.00	2.00	X
MW-166	W166M3A	06/01/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.30		UG/L	19.00	29.00	2.00	X
MW-166	W166M3A	10/04/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.90		UG/L	19.00	29.00	2.00	X
MW-166	W166M3A	01/17/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.10		UG/L	19.00	29.00	2.00	X
MW-166	W166M1A	05/31/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.70		UG/L	112.00	117.00	2.00	X
MW-166	W166M1A	10/04/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.40		UG/L	112.00	117.00	2.00	X
MW-171	W171M2A	05/31/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.10		UG/L	83.00	88.00	2.00	X
MW-184	W184M1A	01/24/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	23.00		UG/L	58.20	68.20	2.00	X
MW-19	W19SSA	03/05/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	190.00		UG/L	0.00	10.00	2.00	X
MW-19	W19S2A	07/20/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	260.00		UG/L	0.00	10.00	2.00	X
MW-19	W19S2D	07/20/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	260.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	02/12/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	250.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	09/10/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	240.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	05/12/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	150.00	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	05/23/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	160.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	08/08/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	290.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	12/08/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	200.00		UG/L	0.00	10.00	2.00	X
MW-191	W191M2A	01/25/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.10	J	UG/L	0.00	0.00	2.00	X
MW-198	W198M4A	02/21/2002	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	12.00		UG/L	0.00	0.00	2.00	X
MW-2	W02M2A	01/20/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	13.00		UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	02/03/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.80		UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	09/03/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.80		UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	05/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.30	J	UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	08/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.10		UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	11/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.10		UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	05/03/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.10		UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	08/21/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.50		UG/L	33.00	38.00	2.00	X
MW-2	W02M1A	08/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.10		UG/L	75.00	80.00	2.00	X
MW-23	W23M1A	11/07/1997	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.30	J	UG/L	103.00	113.00	2.00	X
MW-23	W23M1A	03/18/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.40		UG/L	103.00	113.00	2.00	X
MW-23	W23M1D	03/18/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.70		UG/L	103.00	113.00	2.00	X
MW-23	W23M1A	09/13/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.10		UG/L	103.00	113.00	2.00	X

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

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

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VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH MAY 2002

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MW-38	W38M3A	05/06/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.50		UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	08/18/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.60		UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	11/10/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.00		UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	05/16/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.90	J	UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	08/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.60		UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	11/20/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.40		UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	04/30/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.30	J	UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	08/14/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.00		UG/L	52.00	62.00	2.00	X
MW-40	W40M1A	09/21/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.80		UG/L	13.00	23.00	2.00	X
MW-40	W40M1D	09/21/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.60		UG/L	13.00	23.00	2.00	X
MW-40	W40M1A	12/30/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.00	J	UG/L	13.00	23.00	2.00	X
MW-40	W40M1A	04/14/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.00	J	UG/L	13.00	23.00	2.00	X
MW-40	W40M1A	09/01/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.40	J	UG/L	13.00	23.00	2.00	X
MW-40	W40M1A	11/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.50		UG/L	13.00	23.00	2.00	X
MW-40	W40M1A	06/02/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.10		UG/L	13.00	23.00	2.00	X
MW-40	W40M1A	08/16/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.90		UG/L	13.00	23.00	2.00	X
MW-58	W58SSA	11/23/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.70	J	UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	02/15/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.00		UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	05/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	7.40	J	UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	09/05/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.10		UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	12/20/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.10		UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	06/14/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.30		UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	08/22/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.40		UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	12/12/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.80		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	07/09/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	50.00	J	UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	09/16/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	63.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	11/02/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	57.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	06/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	44.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	09/05/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	29.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	11/14/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	28.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSD	11/14/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	29.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	06/14/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	22.00		UG/L	0.00	10.00	2.00	X
MW-76	W76SSA	01/20/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	11.00		UG/L	18.00	28.00	2.00	X

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-76	W76SSA	05/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	7.50	J	UG/L	18.00	28.00	2.00	X
MW-76	W76SSA	08/01/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.10		UG/L	18.00	28.00	2.00	X
MW-76	W76SSA	05/07/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.10		UG/L	18.00	28.00	2.00	X
MW-76	W76M2A	01/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	31.00		UG/L	38.00	48.00	2.00	X
MW-76	W76M2D	01/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	29.00		UG/L	38.00	48.00	2.00	X
MW-76	W76M2A	05/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	37.00	J	UG/L	38.00	48.00	2.00	X
MW-76	W76M2A	08/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	31.00		UG/L	38.00	48.00	2.00	X
MW-76	W76M2A	12/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	46.00		UG/L	38.00	48.00	2.00	X
MW-76	W76M2A	05/07/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	56.00		UG/L	38.00	48.00	2.00	X
MW-76	W76M1A	12/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.30		UG/L	58.00	68.00	2.00	X
MW-76	W76M1A	05/07/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	28.00		UG/L	58.00	68.00	2.00	X
MW-77	W77M2A	01/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	150.00		UG/L	38.00	48.00	2.00	X
MW-77	W77M2A	05/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	100.00	J	UG/L	38.00	48.00	2.00	X
MW-77	W77M2A	08/01/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	97.00	J	UG/L	38.00	48.00	2.00	X
MW-77	W77M2A	12/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	93.00		UG/L	38.00	48.00	2.00	X
MW-77	W77M2A	05/10/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	39.00		UG/L	38.00	48.00	2.00	X
MW-85	W85M1A	05/22/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	29.00		UG/L	22.00	32.00	2.00	X
MW-85	W85M1A	02/10/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	24.00		UG/L	22.00	32.00	2.00	X
MW-85	W85M1A	06/16/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	27.00		UG/L	22.00	32.00	2.00	X
MW-85	W85M1A	09/26/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	13.00		UG/L	22.00	32.00	2.00	X
MW-85	W85M1A	12/15/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	19.00		UG/L	22.00	32.00	2.00	X
MW-86	W86SSA	04/28/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.50	J	UG/L	1.00	11.00	2.00	X
MW-86	W86M2A	09/27/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.00		UG/L	16.00	26.00	2.00	X
MW-87	W87M1A	04/28/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.50	J	UG/L	62.00	72.00	2.00	X
MW-87	W87M1A	09/14/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.00		UG/L	62.00	72.00	2.00	X
MW-87	W87M1A	01/10/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.60		UG/L	62.00	72.00	2.00	X
MW-87	W87M1A	09/27/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.00		UG/L	62.00	72.00	2.00	X
MW-88	W88M2A	05/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	7.00		UG/L	72.00	82.00	2.00	X
MW-88	W88M2A	09/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	7.70		UG/L	72.00	82.00	2.00	X
MW-88	W88M2A	01/10/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.80		UG/L	72.00	82.00	2.00	X
MW-88	W88M2A	09/28/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.40		UG/L	72.00	82.00	2.00	X
MW-88	W88M2A	12/04/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.50		UG/L	72.00	82.00	2.00	X
MW-89	W89M2A	05/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	8.30		UG/L	72.00	82.00	2.00	X

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-89	W89M2A	09/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	8.30		UG/L	72.00	82.00	2.00	X
MW-89	W89M2A	01/11/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	7.50		UG/L	72.00	82.00	2.00	X
MW-89	W89M2A	10/03/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.80		UG/L	72.00	82.00	2.00	X
MW-89	W89M2D	10/03/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.90		UG/L	72.00	82.00	2.00	X
MW-89	W89M2A	12/03/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.90		UG/L	72.00	82.00	2.00	X
MW-89	W89M1A	09/28/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.10		UG/L	92.00	102.00	2.00	X
MW-89	W89M1A	12/04/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.40		UG/L	92.00	102.00	2.00	X
MW-90	W90SSA	05/19/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.40	J	UG/L	0.00	10.00	2.00	X
MW-90	W90M1A	10/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.40		UG/L	27.00	37.00	2.00	X
MW-91	W91SSA	05/19/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	12.00		UG/L	0.00	10.00	2.00	X
MW-91	W91SSA	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	13.00		UG/L	0.00	10.00	2.00	X
MW-91	W91SSA	01/20/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	12.00		UG/L	0.00	10.00	2.00	X
MW-91	W91SSA	10/09/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	14.00		UG/L	0.00	10.00	2.00	X
MW-91	W91M1A	05/22/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	18.00		UG/L	45.00	55.00	2.00	X
MW-91	W91M1A	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	11.00		UG/L	45.00	55.00	2.00	X
MW-91	W91M1D	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	11.00		UG/L	45.00	55.00	2.00	X
MW-91	W91M1A	01/20/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	12.00		UG/L	45.00	55.00	2.00	X
MW-91	W91M1A	10/03/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	13.00	J	UG/L	45.00	55.00	2.00	X
MW-93	W93M2A	05/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.20		UG/L	16.00	26.00	2.00	X
MW-93	W93M2A	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.20		UG/L	16.00	26.00	2.00	X
MW-93	W93M2A	01/20/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	4.10	J	UG/L	16.00	26.00	2.00	X
MW-93	W93M2A	10/03/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	9.90		UG/L	16.00	26.00	2.00	X
MW-93	W93M1A	05/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.20	J	UG/L	56.00	66.00	2.00	X
MW-93	W93M1A	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.50		UG/L	56.00	66.00	2.00	X
MW-93	W93M1A	01/22/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.40	J	UG/L	56.00	66.00	2.00	X
MW-93	W93M1D	01/22/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.40		UG/L	56.00	66.00	2.00	X
MW-93	W93M1A	10/03/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.20		UG/L	56.00	66.00	2.00	X
MW-95	W95M1A	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.20		UG/L	78.00	88.00	2.00	X
MW-95	W95M1A	10/01/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.20		UG/L	78.00	88.00	2.00	X
MW-95	W95M1A	12/15/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.20		UG/L	78.00	88.00	2.00	X
MW-98	W98M1A	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	2.10		UG/L	26.00	36.00	2.00	X
MW-99	W99M1A	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.90		UG/L	60.00	70.00	2.00	X
MW-99	W99M1D	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	6.90		UG/L	60.00	70.00	2.00	X

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1997 THROUGH MAY 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-99	W99M1A	09/29/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	5.00		UG/L	60.00	70.00	2.00	X
MW-99	W99M1A	01/13/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO-1	3.20		UG/L	60.00	70.00	2.00	X
MW-31	W31SSA	08/24/2001	8330NX	2,4,6-TRINITROTOLUENE	5.40		UG/L	13.00	18.00	2.00	X
58MW0002	58MW0002	12/14/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	15.00		UG/L	4.00	9.00	2.00	X
58MW0018B	58MW0018B	12/13/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	2.20		UG/L	34.55	44.55	2.00	X
MW-1	W01SSA	08/16/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	4.30		UG/L	0.00	10.00	2.00	X
MW-1	W01M2A	08/15/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	11.00		UG/L	44.00	49.00	2.00	X
MW-19	W19SSA	06/18/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	200.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	06/18/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	210.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	08/24/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	120.00		UG/L	0.00	10.00	2.00	X
MW-198	W198M3A	02/15/2002	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	15.00		UG/L	0.00	0.00	2.00	X
MW-23	W23M1A	07/30/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	5.30		UG/L	103.00	113.00	2.00	X
MW-23	W23M1A	12/06/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	5.30		UG/L	103.00	113.00	2.00	X
MW-31	W31SSA	08/24/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	88.00		UG/L	13.00	18.00	2.00	X
MW-76	W76SSA	08/10/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	4.50		UG/L	18.00	28.00	2.00	X
MW-76	W76M2A	08/13/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	51.00		UG/L	38.00	48.00	2.00	X
MW-76	W76M2D	08/13/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	48.00		UG/L	38.00	48.00	2.00	X
MW-76	W76M1A	08/13/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	90.00		UG/L	58.00	68.00	2.00	X
MW-77	W77M2A	08/10/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1	29.00		UG/L	38.00	48.00	2.00	X
MW-1	W01SSA	12/12/2000	CHPPM	HEXAHYDRO-1,3,5-TRINITRO-1	12.00	J	UG/L	0.00	10.00	2.00	X
MW-1	W01SSD	12/12/2000	CHPPM	HEXAHYDRO-1,3,5-TRINITRO-1	11.00		UG/L	0.00	10.00	2.00	X
MW-16	W16SSA	12/08/2000	CHPPM	HEXAHYDRO-1,3,5-TRINITRO-1	2.50	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	12/08/2000	CHPPM	HEXAHYDRO-1,3,5-TRINITRO-1	300.00	J	UG/L	0.00	10.00	2.00	X
ASPWELL	ASPWELL	07/20/1999	E200.8	LEAD	53.00		UG/L	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
90MW0022	90MW0022	01/16/2002	E314.0	PERCHLORATE	1.63	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
90MW0054	90MW0054	12/13/2001	E314.0	PERCHLORATE	32.10		UG/L	91.83	96.83	1.50	X
97-5	97-5D	02/12/2002	E314.0	PERCHLORATE	3.16		UG/L	76.00	86.00	1.50	X
MW-100	W100M1A	10/23/2001	E314.0	PERCHLORATE	1.67	J	UG/L	45.00	55.00	1.50	X

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-101	W101M1A	01/20/2001	E314.0	PERCHLORATE	3.00	J	UG/L	27.00	37.00	1.50	X
MW-101	W101M1A	10/23/2001	E314.0	PERCHLORATE	1.75	J	UG/L	27.00	37.00	1.50	X
MW-101	W101M1A	11/27/2001	E314.0	PERCHLORATE	1.72	J	UG/L	27.00	37.00	1.50	X
MW-105	W105M1A	11/26/2001	E314.0	PERCHLORATE	1.98	J	UG/L	78.00	88.00	1.50	X
MW-114	W114M2A	12/29/2000	E314.0	PERCHLORATE	300.00		UG/L	39.00	49.00	1.50	X
MW-114	W114M2A	03/14/2001	E314.0	PERCHLORATE	260.00		UG/L	39.00	49.00	1.50	X
MW-114	W114M2A	06/19/2001	E314.0	PERCHLORATE	207.00		UG/L	39.00	49.00	1.50	X
MW-114	W114M2A	01/10/2002	E314.0	PERCHLORATE	127.00		UG/L	39.00	49.00	1.50	X
MW-114	W114M1A	12/28/2000	E314.0	PERCHLORATE	11.00		UG/L	96.00	106.00	1.50	X
MW-114	W114M1A	03/14/2001	E314.0	PERCHLORATE	13.00		UG/L	96.00	106.00	1.50	X
MW-114	W114M1A	06/18/2001	E314.0	PERCHLORATE	10.00		UG/L	96.00	106.00	1.50	X
MW-114	W114M1A	12/21/2001	E314.0	PERCHLORATE	22.10		UG/L	96.00	106.00	1.50	X
MW-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	W129M2A	12/21/2001	E314.0	PERCHLORATE	6.93	J	UG/L	46.00	56.00	1.50	X
MW-129	W129M1A	01/02/2001	E314.0	PERCHLORATE	10.00		UG/L	66.00	76.00	1.50	X
MW-129	W129M1A	03/14/2001	E314.0	PERCHLORATE	9.00		UG/L	66.00	76.00	1.50	X
MW-129	W129M1A	06/19/2001	E314.0	PERCHLORATE	6.00		UG/L	66.00	76.00	1.50	X
MW-129	W129M1A	12/21/2001	E314.0	PERCHLORATE	5.92	J	UG/L	66.00	76.00	1.50	X
MW-130	W130SSA	02/14/2001	E314.0	PERCHLORATE	3.00	J	UG/L	0.00	10.00	1.50	X
MW-130	W130SSA	06/14/2001	E314.0	PERCHLORATE	3.00	J	UG/L	0.00	10.00	1.50	X
MW-130	W130SSD	06/14/2001	E314.0	PERCHLORATE	3.00	J	UG/L	0.00	10.00	1.50	X
MW-130	W130SSA	12/13/2001	E314.0	PERCHLORATE	4.21		UG/L	0.00	10.00	1.50	X
MW-130	W130SSD	12/13/2001	E314.0	PERCHLORATE	4.10		UG/L	0.00	10.00	1.50	X
MW-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

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-139	W139M2A	06/20/2001	E314.0	PERCHLORATE	3.00	J	UG/L	70.00	80.00	1.50	X
MW-139	W139M2A	04/17/2002	E314.0	PERCHLORATE	2.77		UG/L	70.00	80.00	1.50	X
MW-139	W139M1A	04/17/2002	E314.0	PERCHLORATE	1.86		UG/L	110.00	120.00	1.50	X
MW-158	W158SSA	06/12/2001	E314.0	PERCHLORATE	2.00	J	UG/L	2.00	12.00	1.50	X
MW-158	W158M2A	01/16/2002	E314.0	PERCHLORATE	1.61	J	UG/L	37.00	47.00	1.50	X
MW-162	W162M2A	01/18/2002	E314.0	PERCHLORATE	1.55	J	UG/L	49.29	59.29	1.50	X
MW-163	W163SSA	06/14/2001	E314.0	PERCHLORATE	67.00		UG/L	0.00	10.00	1.50	X
MW-163	W163SSA	10/10/2001	E314.0	PERCHLORATE	39.60		UG/L	0.00	10.00	1.50	X
MW-163	W163SSA	02/05/2002	E314.0	PERCHLORATE	17.90		UG/L	0.00	10.00	1.50	X
MW-163	W163SSA	03/07/2002	E314.0	PERCHLORATE	33.10		UG/L	0.00	10.00	1.50	X
MW-165	W165M2A	05/08/2001	E314.0	PERCHLORATE	122.00	J	UG/L	46.00	56.00	1.50	X
MW-165	W165M2A	08/16/2001	E314.0	PERCHLORATE	102.00		UG/L	46.00	56.00	1.50	X
MW-165	W165M2A	01/10/2002	E314.0	PERCHLORATE	81.20		UG/L	46.00	56.00	1.50	X
MW-166	W166M3A	10/04/2001	E314.0	PERCHLORATE	1.50	J	UG/L	19.00	29.00	1.50	X
MW-166	W166M3A	01/17/2002	E314.0	PERCHLORATE	1.82	J	UG/L	19.00	29.00	1.50	X
MW-172	W172M2A	06/21/2001	E314.0	PERCHLORATE	3.00	J	UG/L	104.00	114.00	1.50	X
MW-172	W172M2A	09/21/2001	E314.0	PERCHLORATE	3.94	J	UG/L	104.00	114.00	1.50	X
MW-172	W172M2A	02/08/2002	E314.0	PERCHLORATE	5.45		UG/L	104.00	114.00	1.50	X
MW-19	W19SSA	08/08/2000	E314.0	PERCHLORATE	5.00	J	UG/L	0.00	10.00	1.50	X
MW-19	W19SSA	12/08/2000	E314.0	PERCHLORATE	12.00		UG/L	0.00	10.00	1.50	X
MW-19	W19SSA	06/18/2001	E314.0	PERCHLORATE	41.00		UG/L	0.00	10.00	1.50	X
MW-19	W19SSA	08/24/2001	E314.0	PERCHLORATE	8.49		UG/L	0.00	10.00	1.50	X
MW-19	W19SSA	12/27/2001	E314.0	PERCHLORATE	18.60	J	UG/L	0.00	10.00	1.50	X
MW-193	W193M1A	02/20/2002	E314.0	PERCHLORATE	7.02		UG/L	0.00	0.00	1.50	X
MW-193	W193M1D	02/20/2002	E314.0	PERCHLORATE	7.30		UG/L	0.00	0.00	1.50	X
MW-197	W197M3A	02/12/2002	E314.0	PERCHLORATE	34.10		UG/L	0.00	0.00	1.50	X
MW-198	W198M3A	02/15/2002	E314.0	PERCHLORATE	40.90		UG/L	0.00	0.00	1.50	X
MW-198	W198M4A	02/21/2002	E314.0	PERCHLORATE	311.00		UG/L	0.00	0.00	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	W31SSA	01/04/2002	E314.0	PERCHLORATE	12.50		UG/L	13.00	18.00	1.50	X

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-31	W31M1A	08/09/2000	E314.0	PERCHLORATE	50.00	J	UG/L	28.00	38.00	1.50	X
MW-31	W31MMA	05/23/2001	E314.0	PERCHLORATE	19.00		UG/L	28.00	38.00	1.50	X
MW-31	W31MMA	01/04/2002	E314.0	PERCHLORATE	1.66	J	UG/L	28.00	38.00	1.50	X
MW-33	W33DDA	12/26/2001	E314.0	PERCHLORATE	1.54	J	UG/L	85.00	90.00	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	W34M2A	12/26/2001	E314.0	PERCHLORATE	5.85	J	UG/L	53.00	63.00	1.50	X
MW-34	W34M1A	12/18/2000	E314.0	PERCHLORATE	109.00		UG/L	73.00	83.00	1.50	X
MW-34	W34M1A	05/05/2001	E314.0	PERCHLORATE	46.00		UG/L	73.00	83.00	1.50	X
MW-34	W34M1A	07/31/2001	E314.0	PERCHLORATE	30.80		UG/L	73.00	83.00	1.50	X
MW-34	W34M1D	07/31/2001	E314.0	PERCHLORATE	31.40		UG/L	73.00	83.00	1.50	X
MW-34	W34M1A	12/26/2001	E314.0	PERCHLORATE	17.70		UG/L	73.00	83.00	1.50	X
MW-35	W35M1A	05/04/2001	E314.0	PERCHLORATE	4.00	J	UG/L	68.00	78.00	1.50	X
MW-35	W35M1A	08/03/2001	E314.0	PERCHLORATE	5.40		UG/L	68.00	78.00	1.50	X
MW-35	W35M1A	12/21/2001	E314.0	PERCHLORATE	6.34	J	UG/L	68.00	78.00	1.50	X
MW-36	W36M2A	01/08/2002	E314.0	PERCHLORATE	1.86	J	UG/L	54.00	64.00	1.50	X
MW-36	W36M2D	01/08/2002	E314.0	PERCHLORATE	2.16		UG/L	54.00	64.00	1.50	X
MW-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-73	W73SSD	12/19/2000	E314.0	PERCHLORATE	6.00		UG/L	0.00	10.00	1.50	X
MW-73	W73SSA	06/14/2001	E314.0	PERCHLORATE	10.00		UG/L	0.00	10.00	1.50	X
MW-73	W73SSA	01/11/2002	E314.0	PERCHLORATE	3.30		UG/L	0.00	10.00	1.50	X
MW-75	W75M2A	05/09/2001	E314.0	PERCHLORATE	9.00	J	UG/L	34.00	44.00	1.50	X
MW-75	W75M2D	05/09/2001	E314.0	PERCHLORATE	9.00	J	UG/L	34.00	44.00	1.50	X
MW-75	W75M2A	08/09/2001	E314.0	PERCHLORATE	6.24		UG/L	34.00	44.00	1.50	X
MW-75	W75M2A	01/07/2002	E314.0	PERCHLORATE	4.08		UG/L	34.00	44.00	1.50	X
MW-76	W76SSA	12/07/2000	E314.0	PERCHLORATE	5.00		UG/L	18.00	28.00	1.50	X
MW-76	W76SSA	05/07/2001	E314.0	PERCHLORATE	7.00		UG/L	18.00	28.00	1.50	X
MW-76	W76SSA	08/10/2001	E314.0	PERCHLORATE	13.30		UG/L	18.00	28.00	1.50	X
MW-76	W76SSA	12/28/2001	E314.0	PERCHLORATE	41.20		UG/L	18.00	28.00	1.50	X
MW-76	W76M2A	12/06/2000	E314.0	PERCHLORATE	11.00		UG/L	38.00	48.00	1.50	X

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1997 THROUGH MAY 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-76	W76M2A	05/07/2001	E314.0	PERCHLORATE	17.00		UG/L	38.00	48.00	1.50	X
MW-76	W76M2A	08/13/2001	E314.0	PERCHLORATE	22.10		UG/L	38.00	48.00	1.50	X
MW-76	W76M2D	08/13/2001	E314.0	PERCHLORATE	22.50		UG/L	38.00	48.00	1.50	X
MW-76	W76M2A	01/07/2002	E314.0	PERCHLORATE	126.00		UG/L	38.00	48.00	1.50	X
MW-76	W76M1A	05/07/2001	E314.0	PERCHLORATE	8.00		UG/L	58.00	68.00	1.50	X
MW-76	W76M1A	08/13/2001	E314.0	PERCHLORATE	16.00		UG/L	58.00	68.00	1.50	X
MW-76	W76M1A	12/28/2001	E314.0	PERCHLORATE	30.60		UG/L	58.00	68.00	1.50	X
MW-77	W77M2A	12/06/2000	E314.0	PERCHLORATE	28.00		UG/L	38.00	48.00	1.50	X
MW-77	W77M2A	05/10/2001	E314.0	PERCHLORATE	16.00	J	UG/L	38.00	48.00	1.50	X
MW-77	W77M2A	08/10/2001	E314.0	PERCHLORATE	13.90		UG/L	38.00	48.00	1.50	X
MW-77	W77M2A	12/26/2001	E314.0	PERCHLORATE	12.30		UG/L	38.00	48.00	1.50	X
MW-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-78	W78M2A	12/28/2001	E314.0	PERCHLORATE	4.43		UG/L	38.00	48.00	1.50	X
MW-80	W80M1A	08/20/2001	E314.0	PERCHLORATE	1.70	J	UG/L	86.00	96.00	1.50	X
MW-80	W80M1A	10/10/2001	E314.0	PERCHLORATE	1.50	J	UG/L	86.00	96.00	1.50	X
MW-80	W80M1A	12/20/2001	E314.0	PERCHLORATE	1.63	J	UG/L	86.00	96.00	1.50	X
MW-80	W80M1A	04/04/2002	E314.0	PERCHLORATE	2.26	J	UG/L	86.00	96.00	1.50	X
MW-91	W91SSA	01/20/2001	E314.0	PERCHLORATE	5.00	J	UG/L	0.00	10.00	1.50	X
MW-91	W91SSA	10/09/2001	E314.0	PERCHLORATE	3.22	J	UG/L	0.00	10.00	1.50	X
MW-91	W91SSA	12/20/2001	E314.0	PERCHLORATE	3.83	J	UG/L	0.00	10.00	1.50	X
MW-91	W91M1A	10/03/2001	E314.0	PERCHLORATE	1.50	J	UG/L	45.00	55.00	1.50	X
MW-91	W91M1A	11/29/2001	E314.0	PERCHLORATE	1.62	J	UG/L	45.00	55.00	1.50	X
MW-93	W93M2A	01/20/2001	E314.0	PERCHLORATE	2.00	J	UG/L	16.00	26.00	1.50	X
MW-93	W93M1A	01/20/2001	E314.0	PERCHLORATE	3.00	J	UG/L	56.00	66.00	1.50	X
MW-93	W93M1D	01/20/2001	E314.0	PERCHLORATE	2.00	J	UG/L	56.00	66.00	1.50	X
MW-93	W93M1A	10/03/2001	E314.0	PERCHLORATE	1.80	J	UG/L	56.00	66.00	1.50	X
MW-99	W99M1A	11/28/2001	E314.0	PERCHLORATE	1.51	J	UG/L	60.00	70.00	1.50	X
OW-1	WOW-1A	11/15/2001	E314.0	PERCHLORATE	2.92		UG/L	0.70	10.70	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

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VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH MAY 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
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
LRWS7-1	WL71XL	11/21/1997	IM40	ZINC	3,750.00		UG/L	186.00	201.00	2,000.00	X
MW-1	W01SSA	09/07/1999	IM40MB	ANTIMONY	6.70	J	UG/L	0.00	10.00	6.00	X
MW-187	W187DDX	01/23/2002	IM40MB	ANTIMONY	6.00	J	UG/L	0.00	0.00	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

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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 MAY 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
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-45	W45SSA	08/23/2001	IM40MB	LEAD	42.20		UG/L	0.00	10.00	15.00	X
MW-45	W45SSA	12/14/2001	IM40MB	LEAD	42.80		UG/L	0.00	10.00	15.00	X
MW-7	W07M1A	09/07/1999	IM40MB	LEAD	40.20		UG/L	135.00	140.00	15.00	X
MW-7	W07M1D	09/07/1999	IM40MB	LEAD	18.30		UG/L	135.00	140.00	15.00	X
MW-2	W02SSA	02/23/1998	IM40MB	MOLYBDENUM	72.10		UG/L	0.00	10.00	40.00	X
MW-2	W02SSL	02/23/1998	IM40MB	MOLYBDENUM	63.30		UG/L	0.00	10.00	40.00	X
MW-46	W46M2A	03/30/1999	IM40MB	MOLYBDENUM	48.90		UG/L	56.00	66.00	40.00	X
MW-46	W46M2L	03/30/1999	IM40MB	MOLYBDENUM	51.00		UG/L	56.00	66.00	40.00	X
MW-47	W47M3A	03/29/1999	IM40MB	MOLYBDENUM	43.10		UG/L	21.00	31.00	40.00	X
MW-47	W47M3L	03/29/1999	IM40MB	MOLYBDENUM	40.50		UG/L	21.00	31.00	40.00	X
MW-52	W52M3A	04/07/1999	IM40MB	MOLYBDENUM	72.60		UG/L	59.00	64.00	40.00	X
MW-52	W52M3L	04/07/1999	IM40MB	MOLYBDENUM	67.60		UG/L	59.00	64.00	40.00	X
MW-52	W52DDA	04/02/1999	IM40MB	MOLYBDENUM	51.10		UG/L	218.00	228.00	40.00	X
MW-52	W52DDL	04/02/1999	IM40MB	MOLYBDENUM	48.90		UG/L	218.00	228.00	40.00	X
MW-53	W53M1A	05/03/1999	IM40MB	MOLYBDENUM	122.00		UG/L	99.00	109.00	40.00	X
MW-53	W53M1L	05/03/1999	IM40MB	MOLYBDENUM	132.00		UG/L	99.00	109.00	40.00	X
MW-53	W53M1A	08/30/1999	IM40MB	MOLYBDENUM	55.20		UG/L	99.00	109.00	40.00	X
MW-53	W53M1L	08/30/1999	IM40MB	MOLYBDENUM	54.10		UG/L	99.00	109.00	40.00	X
MW-53	W53M1A	11/05/1999	IM40MB	MOLYBDENUM	41.20		UG/L	99.00	109.00	40.00	X
MW-54	W54SSA	04/30/1999	IM40MB	MOLYBDENUM	56.70		UG/L	0.00	10.00	40.00	X
MW-54	W54SSL	04/30/1999	IM40MB	MOLYBDENUM	66.20		UG/L	0.00	10.00	40.00	X
MW-54	W54SSA	08/27/1999	IM40MB	MOLYBDENUM	61.40		UG/L	0.00	10.00	40.00	X
MW-54	W54M2A	08/27/1999	IM40MB	MOLYBDENUM	43.70		UG/L	59.00	69.00	40.00	X
MW-54	W54M2L	08/27/1999	IM40MB	MOLYBDENUM	43.20		UG/L	59.00	69.00	40.00	X
15MW0002	15MW0002	04/08/1999	IM40MB	SODIUM	37,600.00		UG/L	0.00	10.00	20,000.00	X
90WT0010	90WT0010	06/05/2000	IM40MB	SODIUM	23,600.00		UG/L	2.00	12.00	20,000.00	X
90WT0010	90WT0010-L	06/05/2000	IM40MB	SODIUM	24,200.00		UG/L	2.00	12.00	20,000.00	X
90WT0015	90WT0015	04/23/1999	IM40MB	SODIUM	34,300.00		UG/L	0.00	10.00	20,000.00	X
ASPWELL	ASPWELL	09/27/2001	IM40MB	SODIUM	22,600.00		UG/L			20,000.00	X
ASPWELL	ASPWELL	12/19/2001	IM40MB	SODIUM	28,500.00		UG/L			20,000.00	X

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VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH MAY 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
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	0.00	10.00	20,000.00	X
MW-145	W145SSA	06/20/2001	IM40MB	SODIUM	73,600.00		UG/L	0.00	10.00	20,000.00	X
MW-148	W148SSA	10/18/2001	IM40MB	SODIUM	23,500.00		UG/L	0.00	10.00	20,000.00	X
MW-187	W187DDA	01/23/2002	IM40MB	SODIUM	25,300.00		UG/L	0.00	0.00	20,000.00	X
MW-187	W187DDX	01/23/2002	IM40MB	SODIUM	25,200.00		UG/L	0.00	0.00	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
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

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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	W19SSA	08/24/2001	IM40MB	THALLIUM	4.20	J	UG/L	0.00	10.00	2.00	X
MW-19	W19DDL	02/11/1999	IM40MB	THALLIUM	3.10	J	UG/L	254.00	259.00	2.00	X
MW-2	W02DDD	08/02/2000	IM40MB	THALLIUM	4.90	J	UG/L	218.00	223.00	2.00	X
MW-21	W21M2A	11/01/1999	IM40MB	THALLIUM	4.00	J	UG/L	58.00	68.00	2.00	X
MW-23	W23SSA	09/14/1999	IM40MB	THALLIUM	4.70	J	UG/L	0.00	10.00	2.00	X
MW-25	W25SSA	09/14/1999	IM40MB	THALLIUM	5.30	J	UG/L	0.00	10.00	2.00	X
MW-3	W03DDA	12/20/2000	IM40MB	THALLIUM	3.30		UG/L	219.00	224.00	2.00	X
MW-35	W35SSA	12/18/2000	IM40MB	THALLIUM	2.90	J	UG/L	0.00	10.00	2.00	X
MW-37	W37M2A	12/29/1999	IM40MB	THALLIUM	4.90	J	UG/L	26.00	36.00	2.00	X
MW-38	W38M4A	08/18/1999	IM40MB	THALLIUM	2.80	J	UG/L	14.00	24.00	2.00	X
MW-38	W38M2A	05/11/1999	IM40MB	THALLIUM	4.90	J	UG/L	69.00	79.00	2.00	X
MW-38	W38DDA	08/22/2001	IM40MB	THALLIUM	3.00	J	UG/L	124.00	134.00	2.00	X
MW-39	W39M1A	12/21/2000	IM40MB	THALLIUM	4.00		UG/L	84.00	94.00	2.00	X
MW-41	W41M2A	04/02/1999	IM40MB	THALLIUM	2.50	J	UG/L	67.00	77.00	2.00	X
MW-42	W42M2A	11/19/1999	IM40MB	THALLIUM	4.00	J	UG/L	118.00	128.00	2.00	X
MW-44	W44SSA	08/24/2001	IM40MB	THALLIUM	3.00	J	UG/L	0.00	10.00	2.00	X
MW-45	W45SSA	05/26/1999	IM40MB	THALLIUM	3.00	J	UG/L	0.00	10.00	2.00	X
MW-45	W45SSA	08/31/2000	IM40MB	THALLIUM	4.40	J	UG/L	0.00	10.00	2.00	X
MW-46	W46M1A	05/16/2000	IM40MB	THALLIUM	5.30	J	UG/L	103.00	113.00	2.00	X
MW-46	W46DDA	11/02/1999	IM40MB	THALLIUM	5.10	J	UG/L	136.00	146.00	2.00	X
MW-47	W47M3A	08/25/1999	IM40MB	THALLIUM	3.20	J	UG/L	21.00	31.00	2.00	X
MW-47	W47M3A	05/31/2000	IM40MB	THALLIUM	5.00	J	UG/L	21.00	31.00	2.00	X

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1997 THROUGH MAY 2002

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MW-47	W47M2A	03/26/1999	IM40MB	THALLIUM	3.20	J	UG/L	38.00	48.00	2.00	X
MW-47	W47M2A	08/25/1999	IM40MB	THALLIUM	4.00	J	UG/L	38.00	48.00	2.00	X
MW-47	W47M2A	05/30/2000	IM40MB	THALLIUM	4.50	J	UG/L	38.00	48.00	2.00	X
MW-47	W47M1A	08/24/1999	IM40MB	THALLIUM	2.60	J	UG/L	75.00	85.00	2.00	X
MW-48	W48M3A	02/28/2000	IM40MB	THALLIUM	4.20	J	UG/L	31.00	41.00	2.00	X
MW-48	W48DAA	06/26/2000	IM40MB	THALLIUM	4.70	J	UG/L	121.00	131.00	2.00	X
MW-49	W49SSA	11/19/1999	IM40MB	THALLIUM	4.70	J	UG/L	0.00	10.00	2.00	X
MW-49	W49M3D	06/27/2000	IM40MB	THALLIUM	4.30	J	UG/L	31.00	41.00	2.00	X
MW-50	W50M1A	05/15/2000	IM40MB	THALLIUM	6.20	J	UG/L	89.00	99.00	2.00	X
MW-51	W51M3A	08/25/1999	IM40MB	THALLIUM	4.30	J	UG/L	28.00	38.00	2.00	X
MW-52	W52SSA	08/26/1999	IM40MB	THALLIUM	3.60	J	UG/L	0.00	10.00	2.00	X
MW-52	W52SSA	11/18/1999	IM40MB	THALLIUM	4.30	J	UG/L	0.00	10.00	2.00	X
MW-52	W52SSA	05/23/2000	IM40MB	THALLIUM	4.70	J	UG/L	0.00	10.00	2.00	X
MW-52	W52M3L	04/07/1999	IM40MB	THALLIUM	3.60	J	UG/L	59.00	64.00	2.00	X
MW-52	W52DDA	04/02/1999	IM40MB	THALLIUM	2.80	J	UG/L	218.00	228.00	2.00	X
MW-52	W52DDL	04/02/1999	IM40MB	THALLIUM	2.60	J	UG/L	218.00	228.00	2.00	X
MW-52	W52DDA	08/30/1999	IM40MB	THALLIUM	3.80	J	UG/L	218.00	228.00	2.00	X
MW-53	W53M1A	11/05/1999	IM40MB	THALLIUM	3.40	J	UG/L	99.00	109.00	2.00	X
MW-54	W54SSA	11/08/1999	IM40MB	THALLIUM	7.40	J	UG/L	0.00	10.00	2.00	X
MW-54	W54SSA	06/06/2000	IM40MB	THALLIUM	4.60	J	UG/L	0.00	10.00	2.00	X
MW-54	W54SSA	11/15/2000	IM40MB	THALLIUM	3.10	J	UG/L	0.00	10.00	2.00	X
MW-54	W54M1A	08/30/1999	IM40MB	THALLIUM	2.80	J	UG/L	79.00	89.00	2.00	X
MW-54	W54M1A	11/05/1999	IM40MB	THALLIUM	3.90	J	UG/L	79.00	89.00	2.00	X
MW-55	W55M1A	08/31/1999	IM40MB	THALLIUM	2.50	J	UG/L	89.00	99.00	2.00	X
MW-56	W56SSA	09/05/2000	IM40MB	THALLIUM	4.00	J	UG/L	1.00	11.00	2.00	X
MW-56	W56M3A	09/05/2000	IM40MB	THALLIUM	6.10	J	UG/L	31.00	41.00	2.00	X
MW-56	W56M3D	09/05/2000	IM40MB	THALLIUM	4.40	J	UG/L	31.00	41.00	2.00	X
MW-57	W57M2A	03/22/2000	IM40MB	THALLIUM	4.10	J	UG/L	62.00	72.00	2.00	X
MW-58	W58SSA	05/11/2000	IM40MB	THALLIUM	7.30	J	UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	12/20/2000	IM40MB	THALLIUM	2.00	J	UG/L	0.00	10.00	2.00	X
MW-61	W61SSA	08/22/2001	IM40MB	THALLIUM	3.70	J	UG/L	0.00	10.00	2.00	X
MW-64	W64M1A	02/07/2000	IM40MB	THALLIUM	4.10	J	UG/L	38.00	48.00	2.00	X
MW-7	W07M2L	02/05/1998	IM40MB	THALLIUM	6.60	J	UG/L	65.00	70.00	2.00	X

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-7	W07M2A	02/24/1999	IM40MB	THALLIUM	4.40	J	UG/L	65.00	70.00	2.00	X
MW-7	W07MMA	02/23/1999	IM40MB	THALLIUM	4.10	J	UG/L	135.00	140.00	2.00	X
MW-7	W07M1A	09/07/1999	IM40MB	THALLIUM	26.20		UG/L	135.00	140.00	2.00	X
MW-7	W07M1D	09/07/1999	IM40MB	THALLIUM	12.70		UG/L	135.00	140.00	2.00	X
MW-72	W72SSA	05/27/1999	IM40MB	THALLIUM	4.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	12/19/2000	IM40MB	THALLIUM	4.30		UG/L	0.00	10.00	2.00	X
MW-73	W73SSD	12/19/2000	IM40MB	THALLIUM	2.00	J	UG/L	0.00	10.00	2.00	X
MW-83	W83SSA	01/13/2000	IM40MB	THALLIUM	3.60	J	UG/L	0.00	10.00	2.00	X
MW-84	W84SSA	10/21/1999	IM40MB	THALLIUM	3.20	J	UG/L	17.00	27.00	2.00	X
MW-84	W84M3A	08/27/2001	IM40MB	THALLIUM	5.00	J	UG/L	42.00	52.00	2.00	X
MW-84	W84DDA	08/23/2001	IM40MB	THALLIUM	4.00	J	UG/L	153.00	163.00	2.00	X
MW-94	W94M2A	01/11/2001	IM40MB	THALLIUM	2.00	J	UG/L	16.00	26.00	2.00	X
MW-94	W94M2A	10/02/2001	IM40MB	THALLIUM	2.30	J	UG/L	16.00	26.00	2.00	X
PPAWSMW-1	PPAWSMW-1	06/22/1999	IM40MB	THALLIUM	3.10	J	UG/L	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) PHTHALA	12.00		UG/L	1.00	11.00	6.00	X
11MW0003	WF143A	02/25/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	9.00		UG/L	0.00	0.00	6.00	X
11MW0003	WF143A	09/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	24.00		UG/L	0.00	0.00	6.00	X
15MW0004	15MW0004	04/09/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	6.00		UG/L	0.00	10.00	6.00	X
15MW0008	15MW0008D	04/12/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	25.00	J	UG/L	0.00	0.00	6.00	X
28MW0106	WL28XA	02/19/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	18.00	J	UG/L	0.00	10.00	6.00	X
28MW0106	WL28XA	03/23/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	26.00		UG/L	0.00	10.00	6.00	X
58MW0002	WC2XXA	02/26/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	36.00		UG/L	4.00	9.00	6.00	X
58MW0005E	WC5EXA	09/27/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	8.00		UG/L	0.00	10.00	6.00	X

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
58MW0006E	WC6EXA	10/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	59.00		UG/L	0.00	10.00	6.00	X
58MW0006E	WC6EXD	10/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	57.00		UG/L	0.00	10.00	6.00	X
58MW0006E	WC6EXA	01/29/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	6.00		UG/L	0.00	10.00	6.00	X
58MW0007C	WC7CXA	09/28/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	13.00		UG/L	24.00	29.00	6.00	X
90MW0054	WF12XA	10/04/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	13.00	J	UG/L	91.83	96.83	6.00	X
90WT0003	WF03XA	09/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	58.00		UG/L	0.00	10.00	6.00	X
90WT0005	WF05XA	01/13/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	47.00		UG/L	0.00	10.00	6.00	X
90WT0013	WF13XA	01/16/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	34.00		UG/L	0.00	10.00	6.00	X
90WT0013	WF13XA	01/14/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	16.00		UG/L	0.00	10.00	6.00	X
95-14	W9514A	09/28/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	22.00		UG/L	90.00	120.00	6.00	X
97-1	W9701A	11/19/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	54.00	J	UG/L	62.00	72.00	6.00	X
97-1	W9701D	11/19/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	28.00	J	UG/L	62.00	72.00	6.00	X
97-2	W9702A	11/20/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	7.00		UG/L	53.00	63.00	6.00	X
97-3	W9703A	11/21/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	73.00	J	UG/L	36.00	46.00	6.00	X
97-5	W9705A	11/20/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	15.00		UG/L	76.00	86.00	6.00	X
BHW215083	WG083A	11/26/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	13.00		UG/L	16.95	26.95	6.00	X
LRWS1-4	WL14XA	10/06/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	78.00	J	UG/L	107.00	117.00	6.00	X
LRWS2-3	WL23XA	11/21/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	20.00	J	UG/L	68.00	83.00	6.00	X
LRWS2-6	WL26XA	10/20/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	21.00		UG/L	75.00	90.00	6.00	X
LRWS2-6	WL26XA	10/04/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	9.00	J	UG/L	75.00	90.00	6.00	X
LRWS4-1	WL41XA	11/24/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	100.00		UG/L	66.00	91.00	6.00	X
LRWS5-1	WL51XA	11/25/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	7.00		UG/L	66.00	91.00	6.00	X
MW-10	W10SSA	09/16/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	39.00		UG/L	0.00	10.00	6.00	X
MW-11	W11SSA	11/06/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	33.00	J	UG/L	0.00	10.00	6.00	X
MW-11	W11SSD	11/06/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	23.00	J	UG/L	0.00	10.00	6.00	X
MW-12	W12SSA	11/06/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	28.00		UG/L	0.00	10.00	6.00	X
MW-14	W14SSA	11/04/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	14.00		UG/L	0.00	10.00	6.00	X
MW-16	W16SSA	11/17/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	28.00		UG/L	0.00	10.00	6.00	X
MW-16	W16DDA	11/17/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	43.00		UG/L	223.00	228.00	6.00	X
MW-17	W17SSD	11/10/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	120.00	J	UG/L	0.00	10.00	6.00	X
MW-17	W17DDA	11/11/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	42.00		UG/L	196.00	206.00	6.00	X
MW-18	W18SSA	10/10/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	36.00		UG/L	0.00	10.00	6.00	X
MW-18	W18DDA	09/10/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	11.00		UG/L	222.00	232.00	6.00	X

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-19	W19DDA	03/04/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	7.00		UG/L	254.00	259.00	6.00	X
MW-2	W02M2A	01/20/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	24.00		UG/L	33.00	38.00	6.00	X
MW-2	W02M1A	01/21/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	10.00	J	UG/L	75.00	80.00	6.00	X
MW-2	W02DDA	02/02/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	9.00		UG/L	218.00	223.00	6.00	X
MW-20	W20SSA	11/07/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	280.00		UG/L	0.00	10.00	6.00	X
MW-21	W21M2A	04/01/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	8.00		UG/L	58.00	68.00	6.00	X
MW-22	W22SSA	11/24/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	96.00		UG/L	0.00	10.00	6.00	X
MW-22	W22SSA	09/20/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	18.00		UG/L	0.00	10.00	6.00	X
MW-23	W23SSA	10/27/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	24.00		UG/L	0.00	10.00	6.00	X
MW-23	W23M3A	11/13/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	10.00		UG/L	34.00	39.00	6.00	X
MW-23	W23M3D	11/13/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	13.00		UG/L	34.00	39.00	6.00	X
MW-24	W24SSA	11/14/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	8.00		UG/L	0.00	10.00	6.00	X
MW-27	W27SSA	09/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	9.00		UG/L	0.00	10.00	6.00	X
MW-28	W28SSA	11/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	11.00		UG/L	0.00	10.00	6.00	X
MW-28	W28SSA	09/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	150.00	J	UG/L	0.00	10.00	6.00	X
MW-29	W29SSA	11/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	16.00		UG/L	0.00	10.00	6.00	X
MW-29	W29SSA	09/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	20.00		UG/L	0.00	10.00	6.00	X
MW-36	W36M2A	08/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	8.00		UG/L	54.00	64.00	6.00	X
MW-38	W38M3A	05/06/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	15.00		UG/L	52.00	62.00	6.00	X
MW-4	W04SSA	11/04/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	30.00		UG/L	0.00	10.00	6.00	X
MW-41	W41M2A	11/12/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	7.00		UG/L	67.00	77.00	6.00	X
MW-43	W43M1A	05/26/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	6.00		UG/L	90.00	100.00	6.00	X
MW-44	W44M1A	09/20/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	14.00		UG/L	53.00	63.00	6.00	X
MW-45	W45M1A	05/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	37.00		UG/L	98.00	108.00	6.00	X
MW-46	W46M1A	11/01/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	6.00	J	UG/L	103.00	113.00	6.00	X
MW-46	W46DDA	11/02/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	14.00	J	UG/L	136.00	146.00	6.00	X
MW-47	W47M1A	08/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	14.00		UG/L	75.00	85.00	6.00	X
MW-47	W47DDA	08/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	16.00		UG/L	100.00	110.00	6.00	X
MW-49	W49SSA	03/01/2000	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	290.00		UG/L	0.00	10.00	6.00	X
MW-5	W05DDA	02/13/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	9.00	J	UG/L	223.00	228.00	6.00	X
MW-52	W52M3A	08/27/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	7.00	J	UG/L	59.00	64.00	6.00	X
MW-53	W53M1A	08/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	31.00		UG/L	99.00	109.00	6.00	X
MW-53	W53DDA	02/18/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	18.00		UG/L	158.00	168.00	6.00	X

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1997 THROUGH MAY 2002

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MW-55	W55DDA	05/13/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	8.00		UG/L	119.00	129.00	6.00	X
MW-57	W57SSA	12/21/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	3,300.00	J	UG/L	0.00	10.00	6.00	X
MW-57	W57M2A	06/30/2000	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	7.00		UG/L	62.00	72.00	6.00	X
MW-57	W57DDA	12/13/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	95.00		UG/L	127.00	137.00	6.00	X
MW-7	W07SSA	10/31/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	10.00		UG/L	0.00	10.00	6.00	X
MW-70	W70M1A	10/27/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	10.00		UG/L	129.00	139.00	6.00	X
MW-84	W84DDA	03/03/2000	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	30.00		UG/L	153.00	163.00	6.00	X
RW-1	WRW1XA	02/18/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	59.00		UG/L	0.00	9.00	6.00	X
RW-1	WRW1XD	10/06/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHALA	11.00	J	UG/L	0.00	9.00	6.00	X
90MW0003	WF03MA	10/07/1999	OC21V	1,2-DICHLOROETHANE	5.00		UG/L	52.11	57.11	5.00	X
MW-187	W187DDA	01/23/2002	OC21V	BENZENE	1,000.00		UG/L	0.00	0.00	5.00	X
MW-187	W187DDA	02/11/2002	OC21V	BENZENE	1,300.00		UG/L	0.00	0.00	5.00	X
MW-187	W187DDA	01/23/2002	OC21V	CHLOROMETHANE	75.00	J	UG/L	0.00	0.00	3.00	X
MW-187	W187DDA	02/11/2002	OC21V	CHLOROMETHANE	47.00	J	UG/L	0.00	0.00	3.00	X
03MW0007A	03MW0007A	04/13/1999	OC21V	TETRACHLOROETHYLENE(PC	6.00		UG/L	21.00	26.00	5.00	X
03MW0014A	03MW0014A	04/13/1999	OC21V	TETRACHLOROETHYLENE(PC	8.00		UG/L	38.00	43.00	5.00	X
03MW0020	03MW0020	04/14/1999	OC21V	TETRACHLOROETHYLENE(PC	12.00		UG/L	36.00	41.00	5.00	X
MW-45	W45SSA	11/16/1999	OC21V	TOLUENE	1,000.00		UG/L	0.00	10.00	1,000.00	X
MW-45	W45SSA	05/29/2000	OC21V	TOLUENE	1,100.00		UG/L	0.00	10.00	1,000.00	X
MW-45	W45SSA	12/27/2000	OC21V	TOLUENE	1,300.00		UG/L	0.00	10.00	1,000.00	X
MW-45	W45SSA	12/14/2001	OC21V	TOLUENE	1,300.00		UG/L	0.00	10.00	1,000.00	X
27MW0017B	27MW0017B	04/30/1999	OC21V	VINYL CHLORIDE	2.00		UG/L	21.00	26.00	2.00	X
PPAWSMW-1	PPAWSMW-1	06/22/1999	OL21P	DIELDRIN	3.00		UG/L	10.00	20.00	0.50	X
MW-142	W142M2A	01/29/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	11.00		UG/L	100.00	110.00	6.00	X
MW-142	W142M1A	01/29/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	20.00		UG/L	185.00	195.00	6.00	X
MW-146	W146M1A	02/23/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	8.40		UG/L	75.00	80.00	6.00	X
MW-146	W146M1A	06/19/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	8.20		UG/L	75.00	80.00	6.00	X
MW-157	W157DDA	05/03/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	8.10		UG/L	199.00	209.00	6.00	X
MW-158	W158M2A	10/15/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	34.00	J	UG/L	37.00	47.00	6.00	X
MW-168	W168M2A	06/05/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	9.00		UG/L	116.00	126.00	6.00	X
MW-168	W168M1A	06/04/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	6.70		UG/L	174.00	184.00	6.00	X
MW-188	W188M1A	01/30/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	9.40		UG/L	0.00	0.00	6.00	X
MW-196	W196M1A	02/06/2002	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	10.00	J	UG/L	12.00	17.00	6.00	X

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 MAY 2002

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-28	W28M1A	01/12/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	9.70		UG/L	173.00	183.00	6.00	X
MW-55	W55DDA	07/31/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	6.40		UG/L	119.00	129.00	6.00	X
MW-82	W82DDA	08/22/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHALA	24.00		UG/L	97.00	107.00	6.00	X
MW-187	W187DDA	01/23/2002	VPHMA	BENZENE	760.00	J	UG/L	0.00	0.00	5.00	X
MW-187	W187DDA	02/11/2002	VPHMA	BENZENE	1,300.00		UG/L	0.00	0.00	5.00	X
MW-187	W187DDA	02/11/2002	VPHMA	TERT-BUTYL METHYL ETHER	30.00		UG/L	0.00	0.00	20.00	X

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

TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 4/15/02 - 05/31/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
4036000-01G	4036000-01G	05/01/2002	GROUNDWATER					OC21V	CHLOROFORM	
4036000-01G	4036000-01G	05/08/2002	GROUNDWATER					OC21V	CHLOROFORM	
4036000-01G	4036000-01G	05/15/2002	GROUNDWATER					OC21V	CHLOROFORM	
4036000-01G	4036000-01G	05/22/2002	GROUNDWATER					OC21V	1,2,4-TRICHLOROBENZENE	
4036000-01G	4036000-01G	05/22/2002	GROUNDWATER					OC21V	CHLOROFORM	
4036000-01G	4036000-01G	05/22/2002	GROUNDWATER					OC21V	CHLOROFORM	
4036000-01G	4036000-01G	05/29/2002	GROUNDWATER					OC21V	CHLOROFORM	
4036000-01G	4036000-01G	05/29/2002	GROUNDWATER					OC21V	CHLOROMETHANE	
4036000-03G	4036000-03G	05/01/2002	GROUNDWATER					OC21V	CHLOROFORM	
4036000-03G	4036000-03G	05/08/2002	GROUNDWATER					OC21V	CHLOROFORM	
4036000-03G	4036000-03G	05/15/2002	GROUNDWATER					OC21V	CHLOROFORM	
4036000-03G	4036000-03G	05/29/2002	GROUNDWATER					OC21V	CHLOROFORM	
4036000-03G	4036000-03G	05/29/2002	GROUNDWATER					OC21V	CHLOROMETHANE	
4036000-03GD	4036000-03G	05/22/2002	GROUNDWATER					OC21V	CHLOROFORM	
4036000-04G	4036000-04G	05/01/2002	GROUNDWATER					OC21V	CHLOROFORM	
4036000-04G	4036000-04G	05/08/2002	GROUNDWATER					OC21V	CHLOROFORM	
4036000-04G	4036000-04G	05/15/2002	GROUNDWATER					OC21V	CHLOROFORM	
4036000-04G	4036000-04G	05/22/2002	GROUNDWATER					OC21V	CHLOROFORM	
4036000-04G	4036000-04G	05/22/2002	GROUNDWATER					OC21V	TETRACHLOROETHYLENE(PCE)	
4036000-04G	4036000-04G	05/29/2002	GROUNDWATER					OC21V	CHLOROFORM	
4036000-06G	4036000-06G	05/01/2002	GROUNDWATER					OC21V	CHLOROFORM	
4036000-06G	4036000-06G	05/08/2002	GROUNDWATER					OC21V	CHLOROFORM	
4036000-06G	4036000-06G	05/15/2002	GROUNDWATER					OC21V	CHLOROFORM	
4036000-06G	4036000-06G	05/22/2002	GROUNDWATER					OC21V	CHLOROFORM	
4036000-06G	4036000-06G	05/29/2002	GROUNDWATER					OC21V	CHLOROFORM	
4036000-06G	4036000-06G	05/29/2002	GROUNDWATER					OC21V	CHLOROMETHANE	
4036000-06GD	4036000-06G	05/08/2002	GROUNDWATER					OC21V	CHLOROFORM	
4036000-06GD	4036000-06G	05/15/2002	GROUNDWATER					OC21V	CHLOROFORM	
90MW0005	90MW0005	05/25/2002	GROUNDWATER	184.00	189.00	73.00	78.00	8330N	1,3,5-TRINITROBENZENE	NO
90MW0005	90MW0005	05/25/2002	GROUNDWATER	184.00	189.00	73.00	78.00	8330N	2-NITROTOLUENE	NO
90MW0005	90MW0005	05/25/2002	GROUNDWATER	184.00	189.00	73.00	78.00	8330N	NITROGLYCERIN	NO

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(UNVALIDATED)
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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
90MW0005	90MW0005	05/25/2002	GROUNDWATER	184.00	189.00	73.00	78.00	8330N	PICRIC ACID	NO
90MW0019	90MW0019	05/10/2002	GROUNDWATER	161.00	166.00	69.65	74.65	8330N	2,6-DINITROTOLUENE	NO
90MW0019	90MW0019	05/10/2002	GROUNDWATER	161.00	166.00	69.65	74.65	8330N	2-NITROTOLUENE	NO
90MW0019	90MW0019	05/10/2002	GROUNDWATER	161.00	166.00	69.65	74.65	8330N	4-NITROTOLUENE	NO
90MW0034	90MW0034	05/24/2002	GROUNDWATER	93.00	98.00	28.57	33.57	8330N	1,3,5-TRINITROBENZENE	NO
90MW0034	90MW0034	05/24/2002	GROUNDWATER	93.00	98.00	28.57	33.57	8330N	2,6-DINITROTOLUENE	YES*
90MW0034	90MW0034	05/24/2002	GROUNDWATER	93.00	98.00	28.57	33.57	8330N	2-NITROTOLUENE	NO
90MW0034	90MW0034	05/24/2002	GROUNDWATER	93.00	98.00	28.57	33.57	8330N	3-NITROTOLUENE	NO*
90MW0034	90MW0034	05/24/2002	GROUNDWATER	93.00	98.00	28.57	33.57	8330N	NITROGLYCERIN	NO
90MW0034	90MW0034	05/24/2002	GROUNDWATER	93.00	98.00	28.57	33.57	8330N	PICRIC ACID	NO
90MW0034D	90MW0034	05/24/2002	GROUNDWATER	93.00	98.00	28.57	33.57	8330N	1,3,5-TRINITROBENZENE	NO
90MW0034D	90MW0034	05/24/2002	GROUNDWATER	93.00	98.00	28.57	33.57	8330N	2-NITROTOLUENE	NO
90MW0034D	90MW0034	05/24/2002	GROUNDWATER	93.00	98.00	28.57	33.57	8330N	3-NITROTOLUENE	NO*
90MW0034D	90MW0034	05/24/2002	GROUNDWATER	93.00	98.00	28.57	33.57	8330N	NITROGLYCERIN	NO
90MW0034D	90MW0034	05/24/2002	GROUNDWATER	93.00	98.00	28.57	33.57	8330N	PICRIC ACID	NO
90MW0061	90MW0061	05/24/2002	GROUNDWATER	150.00	155.00	58.65	63.65	8330N	2-NITROTOLUENE	NO
90MW0061	90MW0061	05/24/2002	GROUNDWATER	150.00	155.00	58.65	63.65	8330N	3-NITROTOLUENE	NO
90MW0061	90MW0061	05/24/2002	GROUNDWATER	150.00	155.00	58.65	63.65	8330N	NITROGLYCERIN	NO
90MW0061	90MW0061	05/24/2002	GROUNDWATER	150.00	155.00	58.65	63.65	8330N	PICRIC ACID	NO
97-1	97-1	05/02/2002	GROUNDWATER	83.00	93.00	62.00	72.00	OC21V	CHLOROFORM	
97-2	97-2	05/03/2002	GROUNDWATER	75.00	85.00	53.00	63.00	OC21V	CHLOROFORM	
97-2BA	97-2B	05/08/2002	GROUNDWATER		121.00		75.40	OC21V	CHLOROFORM	
97-2CA	97-2C	05/08/2002	GROUNDWATER		132.00		68.00	OC21V	CHLOROFORM	
97-2CD	97-2C	05/08/2002	GROUNDWATER		132.00		68.00	OC21V	CHLOROFORM	
97-2DA	97-2D	05/08/2002	GROUNDWATER		115.40		82.90	OC21V	CHLOROFORM	
97-2EA	97-2E	05/08/2002	GROUNDWATER		94.50		49.80	OC21V	CHLOROFORM	
97-2FA	97-2F	05/08/2002	GROUNDWATER		120.00		76.70	OC21V	CHLOROFORM	
97-2GA	97-2G	05/08/2002	GROUNDWATER		126.80		73.70	OC21V	CHLOROFORM	
97-3	97-3	05/02/2002	GROUNDWATER	75.00	85.00	36.00	46.00	OC21V	CHLOROFORM	
97-3	97-3	05/02/2002	GROUNDWATER	75.00	85.00	36.00	46.00	OC21V	TRICHLOROETHYLENE (TCE)	
97-5	97-5	05/02/2002	GROUNDWATER	84.00	94.00	76.00	86.00	OC21V	CHLOROFORM	

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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
CTPW1INF0	CTPW1INF0	04/16/2002	GROUNDWATER					E314.0	PERCHLORATE	
CTPW1INF0D	CTPW1INF0	04/16/2002	GROUNDWATER					E314.0	PERCHLORATE	
CTPW1INF26	CTPW1INF26	04/17/2002	GROUNDWATER					E314.0	PERCHLORATE	
CTPW1INF72	CTPW1INF72	04/19/2002	GROUNDWATER					8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
CTPW1INF72	CTPW1INF72	04/19/2002	GROUNDWATER					8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
CTPW1INF72	CTPW1INF72	04/19/2002	GROUNDWATER					E314.0	PERCHLORATE	
M-1BAA	M-1	05/11/2002	GROUNDWATER		45.00		2.15	OC21V	CHLOROFORM	
M-1CAA	M-1	05/11/2002	GROUNDWATER		55.00		12.15	OC21V	CHLOROFORM	
M-1DAA	M-1	05/11/2002	GROUNDWATER		65.00		22.15	OC21V	CHLOROFORM	
M-2BAA	M-2	05/04/2002	GROUNDWATER		65.00		1.50	OC21V	CHLOROFORM	
M-2CAA	M-2	05/04/2002	GROUNDWATER		75.00		11.50	OC21V	CHLOROFORM	
M-2DAA	M-2	05/04/2002	GROUNDWATER		85.00		21.50	OC21V	CHLOROFORM	
M-3BAA	M-3	05/03/2002	GROUNDWATER		65.00		6.80	OC21V	1,4-DICHLOROBENZENE	
M-3BAA	M-3	05/03/2002	GROUNDWATER		65.00		6.80	OC21V	CHLOROFORM	
M-3CAA	M-3	05/03/2002	GROUNDWATER		75.00		16.80	OC21V	CHLOROFORM	
M-3DAA	M-3	05/03/2002	GROUNDWATER		85.00		26.80	OC21V	1,4-DICHLOROBENZENE	
M-3DAA	M-3	05/03/2002	GROUNDWATER		85.00		26.80	OC21V	CHLOROFORM	
M-4BAA	M-4	05/05/2002	GROUNDWATER		69.00		8.20	OC21V	CHLOROFORM	
M-4BAD	M-4	05/05/2002	GROUNDWATER		69.00		8.20	OC21V	CHLOROFORM	
M-4CAA	M-4	05/05/2002	GROUNDWATER		79.00		18.20	OC21V	CHLOROFORM	
M-4DAA	M-4	05/05/2002	GROUNDWATER		89.00		28.20	OC21V	CHLOROFORM	
M-5BAA	M-5	05/05/2002	GROUNDWATER		65.00		6.48	OC21V	CHLOROFORM	
M-5CAA	M-5	05/05/2002	GROUNDWATER		75.00		16.48	OC21V	CHLOROFORM	
M-5DAA	M-5	05/05/2002	GROUNDWATER		85.00		26.48	OC21V	CHLOROFORM	
M-6BAA	M-6	05/12/2002	GROUNDWATER		59.00		7.17	OC21V	CHLOROFORM	
M-6CAA	M-6	05/12/2002	GROUNDWATER		69.00		17.17	OC21V	CHLOROFORM	
M-6DAA	M-6	05/12/2002	GROUNDWATER		76.00		24.17	OC21V	CHLOROFORM	
M-7BAA	M-7	05/06/2002	GROUNDWATER		59.00		2.90	OC21V	CHLOROFORM	
M-7CAA	M-7	05/06/2002	GROUNDWATER		65.00		8.90	OC21V	CHLOROFORM	
M-7DAA	M-7	05/06/2002	GROUNDWATER		75.00		18.90	OC21V	CHLOROFORM	
MW00-4A	00-4	05/06/2002	GROUNDWATER	64.00	70.00	38.00	44.00	OC21V	CHLOROFORM	

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OW00-1DA	00-1D	05/22/2002	GROUNDWATER	175.00	185.00	48.30	54.30	OC21V	CHLOROFORM	
OW00-1DA	00-1D	05/22/2002	GROUNDWATER	175.00	185.00	48.30	54.30	OC21V	TRICHLOROETHYLENE (TCE)	
SPRING1A	SPRING1	05/09/2002	GROUNDWATER					OC21V	CHLOROFORM	
TW00-4DAA	00-4D	05/11/2002	GROUNDWATER	75.00	75.00	45.00	45.00	E314.0	PERCHLORATE	
TW00-4DAA	00-4D	05/11/2002	GROUNDWATER	75.00	75.00	45.00	45.00	OC21V	CHLOROFORM	
TW00-4DBA	00-4D	05/11/2002	GROUNDWATER	85.00	85.00	55.00	55.00	OC21V	1,2,4-TRICHLOROBENZENE	
TW00-4DBA	00-4D	05/11/2002	GROUNDWATER	85.00	85.00	55.00	55.00	OC21V	CHLOROFORM	
TW00-5A	00-5	05/07/2002	GROUNDWATER	50.00	56.00	15.50	21.50	OC21V	CHLOROFORM	
TW00-6A	00-6	05/07/2002	GROUNDWATER	36.00	42.00	9.60	6.60	OC21V	CHLOROFORM	
TW00-7A	00-7	05/07/2002	GROUNDWATER	57.00	63.00	25.50	31.50	OC21V	CHLOROFORM	
TW01-1A	01-1	05/13/2002	GROUNDWATER	62.00	67.00	55.21	60.21	OC21V	CHLOROFORM	
TW01-1D	01-1	05/13/2002	GROUNDWATER	62.00	67.00	55.21	60.21	OC21V	CHLOROFORM	
TW01-2A	01-2	05/13/2002	GROUNDWATER	50.00	56.00	24.50	30.50	OC21V	CHLOROFORM	
TW1-88AA	01-88	05/12/2002	GROUNDWATER					E314.0	PERCHLORATE	
TW1-88AA	01-88	05/12/2002	GROUNDWATER					OC21V	ACETONE	
TW1-88AA	01-88	05/12/2002	GROUNDWATER					OC21V	CHLOROFORM	
TW1-88AA	01-88	05/12/2002	GROUNDWATER					OC21V	TOLUENE	
TW1-88BA	01-88	05/12/2002	GROUNDWATER					OC21V	ACETONE	
TW1-88BA	01-88	05/12/2002	GROUNDWATER					OC21V	CHLOROFORM	
TW1-88BA	01-88	05/12/2002	GROUNDWATER					OC21V	TOLUENE	
W02-01M1A	02-01	05/12/2002	GROUNDWATER	95.00	105.00	42.90	52.90	OC21V	CHLOROFORM	
W02-01M2A	02-01	05/12/2002	GROUNDWATER	83.00	93.00	30.90	40.90	OC21V	CHLOROFORM	
W02-03M1A	02-03	05/16/2002	GROUNDWATER	130.00	140.00	86.10	96.10	OC21V	1,4-DICHLOROBENZENE	
W02-03M1A	02-03	05/16/2002	GROUNDWATER	130.00	140.00	86.10	96.10	OC21V	CHLOROFORM	
W02-03M2A	02-03	05/16/2002	GROUNDWATER	92.00	102.00	48.15	58.15	OC21V	1,4-DICHLOROBENZENE	
W02-03M2A	02-03	05/16/2002	GROUNDWATER	92.00	102.00	48.15	58.15	OC21V	CHLOROFORM	
W02-03M3A	02-03	05/16/2002	GROUNDWATER	75.00	85.00	31.05	41.05	OC21V	1,4-DICHLOROBENZENE	
W02-03M3A	02-03	05/16/2002	GROUNDWATER	75.00	85.00	31.05	41.05	OC21V	CHLOROFORM	
W02-03M3D	02-03	05/16/2002	GROUNDWATER	75.00	85.00	31.05	41.05	OC21V	1,4-DICHLOROBENZENE	
W02-03M3D	02-03	05/16/2002	GROUNDWATER	75.00	85.00	31.05	41.05	OC21V	CHLOROFORM	
W02-04M1A	02-04	04/29/2002	GROUNDWATER	123.00	133.00	73.97	83.97	E314.0	PERCHLORATE	

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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
W02-04M1A	02-04	05/29/2002	GROUNDWATER	123.00	133.00	73.97	83.97	OC21V	CHLOROFORM	
W02-04M1A	02-04	05/29/2002	GROUNDWATER	123.00	133.00	73.97	83.97	OC21V	TRICHLOROETHYLENE (TCE)	
W02-04M2A	02-04	05/29/2002	GROUNDWATER	98.00	108.00	48.93	58.93	OC21V	CHLOROFORM	
W02-04M2A	02-04	05/29/2002	GROUNDWATER	98.00	108.00	48.93	58.93	OC21V	TRICHLOROETHYLENE (TCE)	
W02-07M1A	02-07	05/28/2002	GROUNDWATER	135.00	145.00	101.14	111.14	OC21V	CHLOROFORM	
W02-07M2A	02-07	05/28/2002	GROUNDWATER	107.00	117.00	72.86	82.86	OC21V	CHLOROFORM	
W02-07M3A	02-07	05/28/2002	GROUNDWATER	47.00	57.00	13.00	23.00	OC21V	CHLOROFORM	
W02-08M2A	02-08	05/08/2002	GROUNDWATER	82.00	87.00	60.65	65.65	OC21V	CHLOROFORM	
W02-08M3A	02-08	05/09/2002	GROUNDWATER	62.00	67.00	40.58	45.58	E314.0	PERCHLORATE	
W02-08M3A	02-08	05/09/2002	GROUNDWATER	62.00	67.00	40.58	45.58	OC21V	CHLOROFORM	
W02-08M3D	02-08	05/09/2002	GROUNDWATER	62.00	67.00	40.58	45.58	E314.0	PERCHLORATE	
W02-08M3D	02-08	05/09/2002	GROUNDWATER	62.00	67.00	40.58	45.58	OC21V	CHLOROFORM	
W02-09M1A	02-09	05/28/2002	GROUNDWATER	74.00	84.00	65.26	75.26	OC21V	CHLOROFORM	
W02-09M2A	02-09	04/26/2002	GROUNDWATER	59.00	69.00	50.30	60.30	OC21V	CHLOROFORM	
W02-09M2A	02-09	05/28/2002	GROUNDWATER	59.00	69.00	50.30	60.30	OC21V	CHLOROFORM	
W02-09SSA	02-09	04/26/2002	GROUNDWATER	7.00	17.00	0.00	10.00	OC21V	CHLOROFORM	
W02-09SSA	02-09	05/28/2002	GROUNDWATER	7.00	17.00	0.00	10.00	OC21V	CHLOROFORM	
W02-09SSD	02-09	05/28/2002	GROUNDWATER	7.00	17.00	0.00	10.00	OC21V	CHLOROFORM	
W02-12M2A	02-12	05/29/2002	GROUNDWATER	94.00	104.00	43.21	53.21	OC21V	CHLOROFORM	
W02-12M3A	02-12	05/29/2002	GROUNDWATER	79.00	89.00	28.22	38.22	OC21V	CHLOROFORM	
W02-13M1A	02-13	05/11/2002	GROUNDWATER	98.00	108.00	58.33	68.33	OC21V	CHLOROFORM	
W02-13M1A	02-13	05/16/2002	GROUNDWATER	98.00	108.00	58.33	68.33	OC21V	CHLOROFORM	
W02-13M1A	02-13	05/28/2002	GROUNDWATER	98.00	108.00	58.33	68.33	OC21V	CHLOROFORM	
W02-13M1A	02-13	05/28/2002	GROUNDWATER	98.00	108.00	58.33	68.33	OC21V	CHLOROMETHANE	
W02-13M2A	02-13	04/27/2002	GROUNDWATER	83.00	93.00	44.20	54.20	E314.0	PERCHLORATE	
W02-13M2A	02-13	05/11/2002	GROUNDWATER	83.00	93.00	44.20	54.20	OC21V	CHLOROFORM	
W02-13M2A	02-13	05/16/2002	GROUNDWATER	83.00	93.00	44.20	54.20	OC21V	CHLOROFORM	
W02-13M2A	02-13	05/28/2002	GROUNDWATER	83.00	93.00	44.20	54.20	OC21V	CHLOROFORM	
W02-13M3A	02-13	05/11/2002	GROUNDWATER	68.00	78.00	28.30	38.30	OC21V	CHLOROFORM	
W02-13M3A	02-13	05/16/2002	GROUNDWATER	68.00	78.00	28.30	38.30	OC21V	CHLOROFORM	
W02-13M3D	02-13	05/11/2002	GROUNDWATER	68.00	78.00	28.00	38.00	OC21V	CHLOROFORM	

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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
W02-13M3D	02-13	05/16/2002	GROUNDWATER	68.00	78.00	28.00	38.00	OC21V	CHLOROFORM	
W02M2A	MW-2	05/01/2002	GROUNDWATER	170.00	175.00	33.00	38.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W02M2A	MW-2	05/01/2002	GROUNDWATER	170.00	175.00	33.00	38.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W108M4A	MW-108	05/02/2002	GROUNDWATER	240.00	250.00	76.00	86.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W108M4A	MW-108	05/02/2002	GROUNDWATER	240.00	250.00	76.00	86.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W112M1A	MW-112	05/13/2002	GROUNDWATER	195.00	205.00	56.00	66.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W112M2A	MW-112	05/13/2002	GROUNDWATER	165.00	175.00	26.00	36.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W135M2A	MW-135	05/07/2002	GROUNDWATER	280.00	290.00	94.00	104.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W141M2A	MW-141	05/15/2002	GROUNDWATER	162.00	172.00	34.00	44.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W147M1A	MW-147	04/29/2002	GROUNDWATER	167.00	177.00	94.00	104.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W147M1A	MW-147	04/29/2002	GROUNDWATER	167.00	177.00	94.00	104.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W147M2A	MW-147	04/29/2002	GROUNDWATER	150.00	160.00	77.00	87.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W147M2A	MW-147	04/29/2002	GROUNDWATER	150.00	160.00	77.00	87.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W147M2D	MW-147	04/29/2002	GROUNDWATER	150.00	160.00	77.00	87.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W147M2D	MW-147	04/29/2002	GROUNDWATER	150.00	160.00	77.00	87.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W38M3A	MW-38	05/13/2002	GROUNDWATER	170.00	180.00	52.00	62.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W34M2A	MW-34	04/24/2002	GROUNDWATER	131.00	141.00	53.00	63.00	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W38M3A	MW-38	05/13/2002	GROUNDWATER	170.00	180.00	52.00	62.00	E314.0	PERCHLORATE	
W38M4A	MW-38	05/13/2002	GROUNDWATER	132.00	142.00	14.00	24.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W39M2A	MW-39	05/15/2002	GROUNDWATER	175.00	185.00	39.00	49.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W39M2A	MW-39	05/15/2002	GROUNDWATER	175.00	185.00	39.00	49.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W43M2A	MW-43	05/15/2002	GROUNDWATER	200.00	210.00	67.00	77.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W76M1A	MW-76	04/24/2002	GROUNDWATER	125.00	135.00	58.00	68.00	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W76M1A	MW-76	04/24/2002	GROUNDWATER	125.00	135.00	58.00	68.00	8330NX	HEXAHYDRO-1-MONONITROSO-3	YES
W76M1A	MW-76	04/24/2002	GROUNDWATER	125.00	135.00	58.00	68.00	8330NX	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W76M2A	MW-76	04/24/2002	GROUNDWATER	105.00	115.00	38.00	48.00	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W76M2A	MW-76	04/24/2002	GROUNDWATER	105.00	115.00	38.00	48.00	8330NX	HEXAHYDRO-1,3,5-TRINITROSO-1	YES
W76M2A	MW-76	04/24/2002	GROUNDWATER	105.00	115.00	38.00	48.00	8330NX	HEXAHYDRO-1,3-DINITROSO-5-M	YES
W76M2A	MW-76	04/24/2002	GROUNDWATER	105.00	115.00	38.00	48.00	8330NX	HEXAHYDRO-1-MONONITROSO-3	YES
W76M2A	MW-76	04/24/2002	GROUNDWATER	105.00	115.00	38.00	48.00	8330NX	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W76SSA	MW-76	04/24/2002	GROUNDWATER	85.00	95.00	18.00	28.00	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES

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W76SSA	MW-76	04/24/2002	GROUNDWATER	85.00	95.00	18.00	28.00	8330NX	HEXAHYDRO-1-MONONITROSO-3	YES
W76SSA	MW-76	04/24/2002	GROUNDWATER	85.00	95.00	18.00	28.00	8330NX	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W77M2A	MW-77	04/24/2002	GROUNDWATER	120.00	130.00	38.00	48.00	8330NX	4-AMINO-2,6-DINITROTOLUENE	YES
W77M2A	MW-77	04/24/2002	GROUNDWATER	120.00	130.00	38.00	48.00	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W77M2A	MW-77	04/24/2002	GROUNDWATER	120.00	130.00	38.00	48.00	8330NX	HEXAHYDRO-1-MONONITROSO-3	YES
W77M2A	MW-77	04/24/2002	GROUNDWATER	120.00	130.00	38.00	48.00	8330NX	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W78M2A	MW-78	04/25/2002	GROUNDWATER	115.00	125.00	38.00	48.00	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W80M1A	MW-80	05/02/2002	GROUNDWATER	130.00	140.00	86.00	96.00	E314.0	PERCHLORATE	
W80M1A	MW-80	05/02/2002	GROUNDWATER	130.00	140.00	86.00	96.00	OC21V	CHLOROFORM	
W80M2A	MW-80	05/03/2002	GROUNDWATER	100.00	110.00	56.00	66.00	E314.0	PERCHLORATE	
W80M2A	MW-80	05/03/2002	GROUNDWATER	100.00	110.00	56.00	66.00	OC21V	CHLOROFORM	
W80M3A	MW-80	05/02/2002	GROUNDWATER	70.00	80.00	26.00	36.00	OC21V	1,4-DICHLOROBENZENE	
W80M3A	MW-80	05/02/2002	GROUNDWATER	70.00	80.00	26.00	36.00	OC21V	CHLOROFORM	
W81DDA	MW-81	05/06/2002	GROUNDWATER	184.00	194.00	156.00	166.00	OC21V	CHLOROFORM	
W81M1A	MW-81	05/06/2002	GROUNDWATER	128.00	138.00	100.00	110.00	OC21V	CHLOROFORM	
W81M1D	MW-81	05/06/2002	GROUNDWATER	128.00	138.00	100.00	110.00	OC21V	CHLOROFORM	
W81M2A	MW-81	05/03/2002	GROUNDWATER	83.00	93.00	55.00	65.00	OC21V	CHLOROFORM	
W81M3A	MW-81	05/06/2002	GROUNDWATER	53.00	58.00	25.00	30.00	OC21V	CHLOROFORM	
W81SSA	MW-81	05/03/2002	GROUNDWATER	25.00	35.00	0.00	10.00	OC21V	CHLOROFORM	
W82DDA	MW-82	05/06/2002	GROUNDWATER	97.00	107.00	97.00	107.00	OC21V	CHLOROFORM	
W82M1A	MW-82	05/06/2002	GROUNDWATER	104.00	114.00	76.00	86.00	OC21V	CHLOROFORM	
W82M2A	MW-82	05/06/2002	GROUNDWATER	78.00	88.00	50.00	60.00	OC21V	CHLOROFORM	
W82M3A	MW-82	05/06/2002	GROUNDWATER	54.00	64.00	26.00	36.00	OC21V	CHLOROFORM	
W82SSA	MW-82	05/06/2002	GROUNDWATER	25.00	35.00	0.00	10.00	OC21V	CHLOROFORM	
W86M2A	MW-86	05/16/2002	GROUNDWATER	158.00	168.00	16.00	26.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W87M1A	MW-87	05/17/2002	GROUNDWATER	194.00	204.00	62.00	72.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W87M1A	MW-87	05/17/2002	GROUNDWATER	194.00	204.00	62.00	72.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W87M2A	MW-87	05/17/2002	GROUNDWATER	169.00	179.00	37.00	47.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W88M2A	MW-88	05/17/2002	GROUNDWATER	213.00	223.00	72.00	82.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W88M2A	MW-88	05/17/2002	GROUNDWATER	213.00	223.00	72.00	82.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W89M1A	MW-89	05/17/2002	GROUNDWATER	234.00	244.00	92.00	102.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES

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W89M2A	MW-89	05/17/2002	GROUNDWATER	214.00	224.00	72.00	82.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W89M2A	MW-89	05/17/2002	GROUNDWATER	214.00	224.00	72.00	82.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W89M3A	MW-89	05/17/2002	GROUNDWATER	174.00	184.00	32.00	42.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W91M1A	MW-91	05/20/2002	GROUNDWATER	170.00	180.00	45.00	55.00	E314.0	PERCHLORATE	
W91M1D	MW-91	05/20/2002	GROUNDWATER	170.00	180.00	45.00	55.00	E314.0	PERCHLORATE	
W91SSA	MW-91	05/20/2002	GROUNDWATER	124.00	134.00	0.00	10.00	E314.0	PERCHLORATE	
W94M1A	MW-94	05/17/2002	GROUNDWATER	165.00	175.00	36.00	46.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W94M2A	MW-94	05/17/2002	GROUNDWATER	140.00	150.00	16.00	26.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
WS-4ADA	WS-4A	05/14/2002	GROUNDWATER	218.00	228.00	148.50	158.50	OC21V	CHLOROFORM	
WS-4ASA	WS-4A	05/14/2002	GROUNDWATER	155.00	165.00	85.50	95.50	OC21V	CHLOROFORM	
G214DHA	MW-214	04/29/2002	PROFILE	170.00	170.00	82.40	82.40	E314.0	PERCHLORATE	
G215DAA	MW-215	05/06/2002	PROFILE	120.00	120.00	13.85	13.85	8330N	NITROGLYCERIN	NO
G215DAA	MW-215	05/06/2002	PROFILE	120.00	120.00	13.85	13.85	8330N	PICRIC ACID	NO
G215DAA	MW-215	05/06/2002	PROFILE	120.00	120.00	13.85	13.85	OC21V	ACETONE	
G215DAA	MW-215	05/06/2002	PROFILE	120.00	120.00	13.85	13.85	OC21V	CHLOROETHANE	
G215DAA	MW-215	05/06/2002	PROFILE	120.00	120.00	13.85	13.85	OC21V	CHLOROFORM	
G215DAA	MW-215	05/06/2002	PROFILE	120.00	120.00	13.85	13.85	OC21V	METHYL ETHYL KETONE (2-BUTA	
G215DBA	MW-215	05/06/2002	PROFILE	130.00	130.00	23.85	23.85	8330N	4-NITROTOLUENE	NO
G215DBA	MW-215	05/06/2002	PROFILE	130.00	130.00	23.85	23.85	8330N	NITROGLYCERIN	NO
G215DBA	MW-215	05/06/2002	PROFILE	130.00	130.00	23.85	23.85	8330N	PICRIC ACID	NO
G215DBA	MW-215	05/06/2002	PROFILE	130.00	130.00	23.85	23.85	OC21V	ACETONE	
G215DBA	MW-215	05/06/2002	PROFILE	130.00	130.00	23.85	23.85	OC21V	CHLOROETHANE	
G215DBA	MW-215	05/06/2002	PROFILE	130.00	130.00	23.85	23.85	OC21V	CHLOROFORM	
G215DBA	MW-215	05/06/2002	PROFILE	130.00	130.00	23.85	23.85	OC21V	CHLOROMETHANE	
G215DBA	MW-215	05/06/2002	PROFILE	130.00	130.00	23.85	23.85	OC21V	METHYL ETHYL KETONE (2-BUTA	
G215DCA	MW-215	05/06/2002	PROFILE	140.00	140.00	33.85	33.85	8330N	2-NITROTOLUENE	NO
G215DCA	MW-215	05/06/2002	PROFILE	140.00	140.00	33.85	33.85	8330N	3-NITROTOLUENE	NO
G215DCA	MW-215	05/06/2002	PROFILE	140.00	140.00	33.85	33.85	8330N	4-NITROTOLUENE	NO
G215DCA	MW-215	05/06/2002	PROFILE	140.00	140.00	33.85	33.85	8330N	NITROGLYCERIN	NO
G215DCA	MW-215	05/06/2002	PROFILE	140.00	140.00	33.85	33.85	8330N	PICRIC ACID	NO
G215DCA	MW-215	05/06/2002	PROFILE	140.00	140.00	33.85	33.85	OC21V	ACETONE	

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TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 4/15/02 - 05/31/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G215DCA	MW-215	05/06/2002	PROFILE	140.00	140.00	33.85	33.85	OC21V	CHLOROETHANE	
G215DCA	MW-215	05/06/2002	PROFILE	140.00	140.00	33.85	33.85	OC21V	CHLOROFORM	
G215DCA	MW-215	05/06/2002	PROFILE	140.00	140.00	33.85	33.85	OC21V	CHLOROMETHANE	
G215DCA	MW-215	05/06/2002	PROFILE	140.00	140.00	33.85	33.85	OC21V	METHYL ETHYL KETONE (2-BUTA	
G215DDA	MW-215	05/06/2002	PROFILE	150.00	150.00	43.85	43.85	8330N	NITROGLYCERIN	NO
G215DDA	MW-215	05/06/2002	PROFILE	150.00	150.00	43.85	43.85	OC21V	2-HEXANONE	
G215DDA	MW-215	05/06/2002	PROFILE	150.00	150.00	43.85	43.85	OC21V	ACETONE	
G215DDA	MW-215	05/06/2002	PROFILE	150.00	150.00	43.85	43.85	OC21V	CHLOROFORM	
G215DDA	MW-215	05/06/2002	PROFILE	150.00	150.00	43.85	43.85	OC21V	METHYL ETHYL KETONE (2-BUTA	
G215DEA	MW-215	05/06/2002	PROFILE	160.00	160.00	53.85	53.85	8330N	2-NITROTOLUENE	NO
G215DEA	MW-215	05/06/2002	PROFILE	160.00	160.00	53.85	53.85	8330N	3-NITROTOLUENE	NO
G215DEA	MW-215	05/06/2002	PROFILE	160.00	160.00	53.85	53.85	8330N	4-NITROTOLUENE	NO
G215DEA	MW-215	05/06/2002	PROFILE	160.00	160.00	53.85	53.85	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G215DEA	MW-215	05/06/2002	PROFILE	160.00	160.00	53.85	53.85	8330N	NITROGLYCERIN	NO
G215DEA	MW-215	05/06/2002	PROFILE	160.00	160.00	53.85	53.85	8330N	PICRIC ACID	NO
G215DEA	MW-215	05/06/2002	PROFILE	160.00	160.00	53.85	53.85	OC21V	2-HEXANONE	
G215DEA	MW-215	05/06/2002	PROFILE	160.00	160.00	53.85	53.85	OC21V	ACETONE	
G215DEA	MW-215	05/06/2002	PROFILE	160.00	160.00	53.85	53.85	OC21V	CARBON DISULFIDE	
G215DEA	MW-215	05/06/2002	PROFILE	160.00	160.00	53.85	53.85	OC21V	CHLOROETHANE	
G215DEA	MW-215	05/06/2002	PROFILE	160.00	160.00	53.85	53.85	OC21V	CHLOROFORM	
G215DEA	MW-215	05/06/2002	PROFILE	160.00	160.00	53.85	53.85	OC21V	CHLOROMETHANE	
G215DEA	MW-215	05/06/2002	PROFILE	160.00	160.00	53.85	53.85	OC21V	METHYL ETHYL KETONE (2-BUTA	
G215DEA	MW-215	05/06/2002	PROFILE	160.00	160.00	53.85	53.85	OC21V	METHYL ISOBUTYL KETONE (4-M	
G215DED	MW-215	05/06/2002	PROFILE	160.00	160.00	53.85	53.85	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G215DED	MW-215	05/06/2002	PROFILE	160.00	160.00	53.85	53.85	8330N	NITROGLYCERIN	NO
G215DED	MW-215	05/06/2002	PROFILE	160.00	160.00	53.85	53.85	OC21V	2-HEXANONE	
G215DED	MW-215	05/06/2002	PROFILE	160.00	160.00	53.85	53.85	OC21V	ACETONE	
G215DED	MW-215	05/06/2002	PROFILE	160.00	160.00	53.85	53.85	OC21V	CARBON DISULFIDE	
G215DED	MW-215	05/06/2002	PROFILE	160.00	160.00	53.85	53.85	OC21V	CHLOROETHANE	
G215DED	MW-215	05/06/2002	PROFILE	160.00	160.00	53.85	53.85	OC21V	CHLOROFORM	
G215DED	MW-215	05/06/2002	PROFILE	160.00	160.00	53.85	53.85	OC21V	CHLOROMETHANE	

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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G215DED	MW-215	05/06/2002	PROFILE	160.00	160.00	53.85	53.85	OC21V	METHYL ETHYL KETONE (2-BUTA	
G215DED	MW-215	05/06/2002	PROFILE	160.00	160.00	53.85	53.85	OC21V	METHYL ISOBUTYL KETONE (4-M	
G215DFA	MW-215	05/06/2002	PROFILE	170.00	170.00	63.85	63.85	8330N	NITROGLYCERIN	NO
G215DFA	MW-215	05/06/2002	PROFILE	170.00	170.00	63.85	63.85	OC21V	2-HEXANONE	
G215DFA	MW-215	05/06/2002	PROFILE	170.00	170.00	63.85	63.85	OC21V	ACETONE	
G215DFA	MW-215	05/06/2002	PROFILE	170.00	170.00	63.85	63.85	OC21V	CHLOROETHANE	
G215DFA	MW-215	05/06/2002	PROFILE	170.00	170.00	63.85	63.85	OC21V	CHLOROFORM	
G215DFA	MW-215	05/06/2002	PROFILE	170.00	170.00	63.85	63.85	OC21V	METHYL ETHYL KETONE (2-BUTA	
G215DGA	MW-215	05/06/2002	PROFILE	180.00	180.00	73.85	73.85	8330N	NITROGLYCERIN	NO
G215DGA	MW-215	05/06/2002	PROFILE	180.00	180.00	73.85	73.85	OC21V	ACETONE	
G215DGA	MW-215	05/06/2002	PROFILE	180.00	180.00	73.85	73.85	OC21V	METHYL ETHYL KETONE (2-BUTA	
G215DHA	MW-215	05/06/2002	PROFILE	190.00	190.00	83.85	83.85	OC21V	ACETONE	
G215DHA	MW-215	05/06/2002	PROFILE	190.00	190.00	83.85	83.85	OC21V	CHLOROFORM	
G215DHA	MW-215	05/06/2002	PROFILE	190.00	190.00	83.85	83.85	OC21V	METHYL ETHYL KETONE (2-BUTA	
G215DIA	MW-215	05/06/2002	PROFILE	200.00	200.00	93.85	93.85	E314.0	PERCHLORATE	
G215DIA	MW-215	05/06/2002	PROFILE	200.00	200.00	93.85	93.85	OC21V	ACETONE	
G215DIA	MW-215	05/06/2002	PROFILE	200.00	200.00	93.85	93.85	OC21V	METHYL ETHYL KETONE (2-BUTA	
G215DJA	MW-215	05/06/2002	PROFILE	210.00	210.00	103.85	103.85	8330N	3-NITROTOLUENE	NO
G215DJA	MW-215	05/06/2002	PROFILE	210.00	210.00	103.85	103.85	8330N	4-NITROTOLUENE	NO
G215DJA	MW-215	05/06/2002	PROFILE	210.00	210.00	103.85	103.85	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES*
G215DJA	MW-215	05/06/2002	PROFILE	210.00	210.00	103.85	103.85	8330N	NITROBENZENE	NO
G215DJA	MW-215	05/06/2002	PROFILE	210.00	210.00	103.85	103.85	8330N	NITROGLYCERIN	NO
G215DJA	MW-215	05/06/2002	PROFILE	210.00	210.00	103.85	103.85	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES*
G215DJA	MW-215	05/06/2002	PROFILE	210.00	210.00	103.85	103.85	8330N	PICRIC ACID	NO
G215DJA	MW-215	05/06/2002	PROFILE	210.00	210.00	103.85	103.85	E314.0	PERCHLORATE	
G215DJA	MW-215	05/06/2002	PROFILE	210.00	210.00	103.85	103.85	OC21V	ACETONE	
G215DJA	MW-215	05/06/2002	PROFILE	210.00	210.00	103.85	103.85	OC21V	BENZENE	
G215DJA	MW-215	05/06/2002	PROFILE	210.00	210.00	103.85	103.85	OC21V	CHLOROFORM	
G215DJA	MW-215	05/06/2002	PROFILE	210.00	210.00	103.85	103.85	OC21V	CHLOROMETHANE	
G215DJA	MW-215	05/06/2002	PROFILE	210.00	210.00	103.85	103.85	OC21V	METHYL ETHYL KETONE (2-BUTA	
G215DJA	MW-215	05/06/2002	PROFILE	210.00	210.00	103.85	103.85	OC21V	TOLUENE	

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G215DKA	MW-215	05/07/2002	PROFILE	220.00	220.00	113.85	113.85	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G215DKA	MW-215	05/07/2002	PROFILE	220.00	220.00	113.85	113.85	8330N	NITROGLYCERIN	NO
G215DKA	MW-215	05/07/2002	PROFILE	220.00	220.00	113.85	113.85	OC21V	ACETONE	
G215DKA	MW-215	05/07/2002	PROFILE	220.00	220.00	113.85	113.85	OC21V	METHYL ETHYL KETONE (2-BUTA	
G215DMA	MW-215	05/08/2002	PROFILE	240.00	240.00	133.85	133.85	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G215DMA	MW-215	05/08/2002	PROFILE	240.00	240.00	133.85	133.85	8330N	NITROGLYCERIN	NO
G215DMA	MW-215	05/08/2002	PROFILE	240.00	240.00	133.85	133.85	OC21V	ACETONE	
G215DMA	MW-215	05/08/2002	PROFILE	240.00	240.00	133.85	133.85	OC21V	CHLOROFORM	
G215DMA	MW-215	05/08/2002	PROFILE	240.00	240.00	133.85	133.85	OC21V	METHYL ETHYL KETONE (2-BUTA	
G215DNA	MW-215	05/08/2002	PROFILE	250.00	250.00	143.85	143.85	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G215DNA	MW-215	05/08/2002	PROFILE	250.00	250.00	143.85	143.85	8330N	NITROGLYCERIN	NO
G215DNA	MW-215	05/08/2002	PROFILE	250.00	250.00	143.85	143.85	OC21V	ACETONE	
G215DNA	MW-215	05/08/2002	PROFILE	250.00	250.00	143.85	143.85	OC21V	CHLOROFORM	
G215DNA	MW-215	05/08/2002	PROFILE	250.00	250.00	143.85	143.85	OC21V	METHYL ETHYL KETONE (2-BUTA	
G215DOA	MW-215	05/08/2002	PROFILE	260.00	260.00	153.85	153.85	8330N	NITROGLYCERIN	NO
G215DOA	MW-215	05/08/2002	PROFILE	260.00	260.00	153.85	153.85	OC21V	ACETONE	
G215DOA	MW-215	05/08/2002	PROFILE	260.00	260.00	153.85	153.85	OC21V	CHLOROFORM	
G215DPA	MW-215	05/08/2002	PROFILE	270.00	270.00	163.85	163.85	8330N	NITROGLYCERIN	NO
G215DPA	MW-215	05/08/2002	PROFILE	270.00	270.00	163.85	163.85	OC21V	ACETONE	
G215DPA	MW-215	05/08/2002	PROFILE	270.00	270.00	163.85	163.85	OC21V	CHLOROFORM	
G216DAA	MW-216	05/06/2002	PROFILE	210.00	210.00	1.70	1.70	8330N	2,6-DINITROTOLUENE	YES*
G216DAA	MW-216	05/06/2002	PROFILE	210.00	210.00	1.70	1.70	8330N	2-NITROTOLUENE	NO
G216DAA	MW-216	05/06/2002	PROFILE	210.00	210.00	1.70	1.70	8330N	3-NITROTOLUENE	NO
G216DAA	MW-216	05/06/2002	PROFILE	210.00	210.00	1.70	1.70	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G216DAA	MW-216	05/06/2002	PROFILE	210.00	210.00	1.70	1.70	8330N	4-NITROTOLUENE	NO
G216DAA	MW-216	05/06/2002	PROFILE	210.00	210.00	1.70	1.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES*
G216DAA	MW-216	05/06/2002	PROFILE	210.00	210.00	1.70	1.70	8330N	NITROGLYCERIN	NO
G216DAA	MW-216	05/06/2002	PROFILE	210.00	210.00	1.70	1.70	8330N	PICRIC ACID	NO
G216DAA	MW-216	05/06/2002	PROFILE	210.00	210.00	1.70	1.70	OC21V	2-HEXANONE	
G216DAA	MW-216	05/06/2002	PROFILE	210.00	210.00	1.70	1.70	OC21V	ACETONE	
G216DAA	MW-216	05/06/2002	PROFILE	210.00	210.00	1.70	1.70	OC21V	BENZENE	

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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G216DAA	MW-216	05/06/2002	PROFILE	210.00	210.00	1.70	1.70	OC21V	CHLOROETHANE	
G216DAA	MW-216	05/06/2002	PROFILE	210.00	210.00	1.70	1.70	OC21V	CHLOROFORM	
G216DAA	MW-216	05/06/2002	PROFILE	210.00	210.00	1.70	1.70	OC21V	METHYL ETHYL KETONE (2-BUTA	
G216DAA	MW-216	05/06/2002	PROFILE	210.00	210.00	1.70	1.70	OC21V	TOLUENE	
G216DBA	MW-216	05/06/2002	PROFILE	220.00	220.00	11.70	11.70	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G216DBA	MW-216	05/06/2002	PROFILE	220.00	220.00	11.70	11.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES*
G216DBA	MW-216	05/06/2002	PROFILE	220.00	220.00	11.70	11.70	8330N	PICRIC ACID	NO
G216DBA	MW-216	05/06/2002	PROFILE	220.00	220.00	11.70	11.70	OC21V	2-HEXANONE	
G216DBA	MW-216	05/06/2002	PROFILE	220.00	220.00	11.70	11.70	OC21V	ACETONE	
G216DBA	MW-216	05/06/2002	PROFILE	220.00	220.00	11.70	11.70	OC21V	METHYL ETHYL KETONE (2-BUTA	
G216DBA	MW-216	05/06/2002	PROFILE	220.00	220.00	11.70	11.70	OC21V	METHYL ISOBUTYL KETONE (4-M	
G216DCA	MW-216	05/07/2002	PROFILE	230.00	230.00	21.70	21.70	8330N	2,6-DINITROTOLUENE	YES*
G216DCA	MW-216	05/07/2002	PROFILE	230.00	230.00	21.70	21.70	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G216DCA	MW-216	05/07/2002	PROFILE	230.00	230.00	21.70	21.70	8330N	2-NITROTOLUENE	NO
G216DCA	MW-216	05/07/2002	PROFILE	230.00	230.00	21.70	21.70	8330N	3-NITROTOLUENE	NO
G216DCA	MW-216	05/07/2002	PROFILE	230.00	230.00	21.70	21.70	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G216DCA	MW-216	05/07/2002	PROFILE	230.00	230.00	21.70	21.70	8330N	4-NITROTOLUENE	NO
G216DCA	MW-216	05/07/2002	PROFILE	230.00	230.00	21.70	21.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G216DCA	MW-216	05/07/2002	PROFILE	230.00	230.00	21.70	21.70	8330N	NITROBENZENE	NO
G216DCA	MW-216	05/07/2002	PROFILE	230.00	230.00	21.70	21.70	8330N	NITROGLYCERIN	NO
G216DCA	MW-216	05/07/2002	PROFILE	230.00	230.00	21.70	21.70	8330N	PICRIC ACID	NO
G216DCA	MW-216	05/07/2002	PROFILE	230.00	230.00	21.70	21.70	OC21V	ACETONE	
G216DCA	MW-216	05/07/2002	PROFILE	230.00	230.00	21.70	21.70	OC21V	BENZENE	
G216DCA	MW-216	05/07/2002	PROFILE	230.00	230.00	21.70	21.70	OC21V	METHYL ETHYL KETONE (2-BUTA	
G216DCA	MW-216	05/07/2002	PROFILE	230.00	230.00	21.70	21.70	OC21V	TOLUENE	
G216DDA	MW-216	05/07/2002	PROFILE	240.00	240.00	31.70	31.70	8330N	2,6-DINITROTOLUENE	YES*
G216DDA	MW-216	05/07/2002	PROFILE	240.00	240.00	31.70	31.70	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G216DDA	MW-216	05/07/2002	PROFILE	240.00	240.00	31.70	31.70	8330N	2-NITROTOLUENE	NO
G216DDA	MW-216	05/07/2002	PROFILE	240.00	240.00	31.70	31.70	8330N	3-NITROTOLUENE	NO
G216DDA	MW-216	05/07/2002	PROFILE	240.00	240.00	31.70	31.70	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G216DDA	MW-216	05/07/2002	PROFILE	240.00	240.00	31.70	31.70	8330N	4-NITROTOLUENE	NO

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G216DDA	MW-216	05/07/2002	PROFILE	240.00	240.00	31.70	31.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO*
G216DDA	MW-216	05/07/2002	PROFILE	240.00	240.00	31.70	31.70	8330N	NITROBENZENE	NO
G216DDA	MW-216	05/07/2002	PROFILE	240.00	240.00	31.70	31.70	8330N	NITROGLYCERIN	NO
G216DDA	MW-216	05/07/2002	PROFILE	240.00	240.00	31.70	31.70	8330N	PICRIC ACID	NO
G216DDA	MW-216	05/07/2002	PROFILE	240.00	240.00	31.70	31.70	OC21V	ACETONE	
G216DDA	MW-216	05/07/2002	PROFILE	240.00	240.00	31.70	31.70	OC21V	BENZENE	
G216DDA	MW-216	05/07/2002	PROFILE	240.00	240.00	31.70	31.70	OC21V	TOLUENE	
G216DFA	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	1,3,5-TRINITROBENZENE	NO
G216DFA	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	1,3-DINITROBENZENE	NO
G216DFA	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	2,4,6-TRINITROTOLUENE	NO
G216DFA	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	2,6-DINITROTOLUENE	YES*
G216DFA	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G216DFA	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	2-NITROTOLUENE	NO
G216DFA	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	3-NITROTOLUENE	NO
G216DFA	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G216DFA	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	4-NITROTOLUENE	NO
G216DFA	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G216DFA	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	NITROGLYCERIN	NO
G216DFA	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	PICRIC ACID	NO
G216DFA	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	OC21V	ACETONE	
G216DFA	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	OC21V	BENZENE	
G216DFA	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	OC21V	CHLOROFORM	
G216DFA	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	OC21V	METHYL ETHYL KETONE (2-BUTA	
G216DFA	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	OC21V	TOLUENE	
G216DFD	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	1,3,5-TRINITROBENZENE	NO
G216DFD	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	1,3-DINITROBENZENE	NO
G216DFD	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	2,4,6-TRINITROTOLUENE	NO
G216DFD	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G216DFD	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	2,6-DINITROTOLUENE	YES*
G216DFD	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G216DFD	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	2-NITROTOLUENE	NO

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SAMPLES COLLECTED 4/15/02 - 05/31/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G216DFD	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	3-NITROTOLUENE	NO
G216DFD	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G216DFD	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	4-NITROTOLUENE	NO
G216DFD	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G216DFD	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	NITROBENZENE	NO
G216DFD	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	NITROGLYCERIN	NO
G216DFD	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	8330N	PICRIC ACID	NO
G216DFD	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	OC21V	ACETONE	
G216DFD	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	OC21V	BENZENE	
G216DFD	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	OC21V	CHLOROFORM	
G216DFD	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	OC21V	METHYL ETHYL KETONE (2-BUTA	
G216DFD	MW-216	05/08/2002	PROFILE	260.00	260.00	51.70	51.70	OC21V	TOLUENE	
G216DGA	MW-216	05/08/2002	PROFILE	270.00	270.00	61.70	61.70	8330N	1,3-DINITROBENZENE	NO
G216DGA	MW-216	05/08/2002	PROFILE	270.00	270.00	61.70	61.70	8330N	2-NITROTOLUENE	NO
G216DGA	MW-216	05/08/2002	PROFILE	270.00	270.00	61.70	61.70	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G216DGA	MW-216	05/08/2002	PROFILE	270.00	270.00	61.70	61.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G216DGA	MW-216	05/08/2002	PROFILE	270.00	270.00	61.70	61.70	8330N	NITROGLYCERIN	NO
G216DGA	MW-216	05/08/2002	PROFILE	270.00	270.00	61.70	61.70	8330N	PICRIC ACID	NO
G216DGA	MW-216	05/08/2002	PROFILE	270.00	270.00	61.70	61.70	OC21V	ACETONE	
G216DGA	MW-216	05/08/2002	PROFILE	270.00	270.00	61.70	61.70	OC21V	CHLOROFORM	
G216DGA	MW-216	05/08/2002	PROFILE	270.00	270.00	61.70	61.70	OC21V	METHYL ETHYL KETONE (2-BUTA	
G216DGA	MW-216	05/08/2002	PROFILE	270.00	270.00	61.70	61.70	OC21V	TOLUENE	
G216DHA	MW-216	05/08/2002	PROFILE	280.00	280.00	71.70	71.70	8330N	PICRIC ACID	NO
G216DHA	MW-216	05/08/2002	PROFILE	280.00	280.00	71.70	71.70	OC21V	ACETONE	
G216DHA	MW-216	05/08/2002	PROFILE	280.00	280.00	71.70	71.70	OC21V	METHYL ETHYL KETONE (2-BUTA	
G216DHA	MW-216	05/08/2002	PROFILE	280.00	280.00	71.70	71.70	OC21V	TOLUENE	
G216DIA	MW-216	05/08/2002	PROFILE	290.00	290.00	81.70	81.70	8330N	NITROGLYCERIN	NO
G216DIA	MW-216	05/08/2002	PROFILE	290.00	290.00	81.70	81.70	8330N	PICRIC ACID	NO
G216DIA	MW-216	05/08/2002	PROFILE	290.00	290.00	81.70	81.70	OC21V	ACETONE	
G216DIA	MW-216	05/08/2002	PROFILE	290.00	290.00	81.70	81.70	OC21V	METHYL ETHYL KETONE (2-BUTA	
G216DIA	MW-216	05/08/2002	PROFILE	290.00	290.00	81.70	81.70	OC21V	TOLUENE	

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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G216DJA	MW-216	05/08/2002	PROFILE	300.00	300.00	91.70	91.70	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G216DJA	MW-216	05/08/2002	PROFILE	300.00	300.00	91.70	91.70	8330N	2-NITROTOLUENE	NO
G216DJA	MW-216	05/08/2002	PROFILE	300.00	300.00	91.70	91.70	8330N	3-NITROTOLUENE	NO
G216DJA	MW-216	05/08/2002	PROFILE	300.00	300.00	91.70	91.70	8330N	4-NITROTOLUENE	NO
G216DJA	MW-216	05/08/2002	PROFILE	300.00	300.00	91.70	91.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G216DJA	MW-216	05/08/2002	PROFILE	300.00	300.00	91.70	91.70	8330N	NITROGLYCERIN	NO
G216DJA	MW-216	05/08/2002	PROFILE	300.00	300.00	91.70	91.70	8330N	PICRIC ACID	NO
G216DJA	MW-216	05/08/2002	PROFILE	300.00	300.00	91.70	91.70	OC21V	ACETONE	
G216DJA	MW-216	05/08/2002	PROFILE	300.00	300.00	91.70	91.70	OC21V	METHYL ETHYL KETONE (2-BUTA	
G216DKA	MW-216	05/08/2002	PROFILE	310.00	310.00	101.70	101.70	OC21V	ACETONE	
G216DLA	MW-216	05/08/2002	PROFILE	320.00	320.00	111.70	111.70	OC21V	ACETONE	
G216DLA	MW-216	05/08/2002	PROFILE	320.00	320.00	111.70	111.70	OC21V	METHYL ETHYL KETONE (2-BUTA	
G216DMA	MW-216	05/08/2002	PROFILE	330.00	330.00	121.70	121.70	OC21V	ACETONE	
G216DNA	MW-216	05/09/2002	PROFILE	340.00	340.00	131.70	131.70	OC21V	ACETONE	
G216DNA	MW-216	05/09/2002	PROFILE	340.00	340.00	131.70	131.70	OC21V	METHYL ETHYL KETONE (2-BUTA	
G216DOA	MW-216	05/09/2002	PROFILE	350.00	350.00	141.70	141.70	8330N	NITROGLYCERIN	NO
G216DOA	MW-216	05/09/2002	PROFILE	350.00	350.00	141.70	141.70	8330N	PICRIC ACID	NO
G216DOA	MW-216	05/09/2002	PROFILE	350.00	350.00	141.70	141.70	OC21V	ACETONE	
G216DOA	MW-216	05/09/2002	PROFILE	350.00	350.00	141.70	141.70	OC21V	METHYL ETHYL KETONE (2-BUTA	
G216DPA	MW-216	05/09/2002	PROFILE	360.00	360.00	151.70	151.70	8330N	2,6-DINITROTOLUENE	YES
G216DPA	MW-216	05/09/2002	PROFILE	360.00	360.00	151.70	151.70	8330N	2-NITROTOLUENE	NO
G216DPA	MW-216	05/09/2002	PROFILE	360.00	360.00	151.70	151.70	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G216DPA	MW-216	05/09/2002	PROFILE	360.00	360.00	151.70	151.70	8330N	4-NITROTOLUENE	NO
G216DPA	MW-216	05/09/2002	PROFILE	360.00	360.00	151.70	151.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G216DPA	MW-216	05/09/2002	PROFILE	360.00	360.00	151.70	151.70	8330N	NITROGLYCERIN	NO
G216DPA	MW-216	05/09/2002	PROFILE	360.00	360.00	151.70	151.70	8330N	PICRIC ACID	NO
G216DPA	MW-216	05/09/2002	PROFILE	360.00	360.00	151.70	151.70	OC21V	ACETONE	
G216DPA	MW-216	05/09/2002	PROFILE	360.00	360.00	151.70	151.70	OC21V	CHLOROETHANE	
G216DPA	MW-216	05/09/2002	PROFILE	360.00	360.00	151.70	151.70	OC21V	CHLOROMETHANE	
G216DPA	MW-216	05/09/2002	PROFILE	360.00	360.00	151.70	151.70	OC21V	METHYL ETHYL KETONE (2-BUTA	
G216DPA	MW-216	05/09/2002	PROFILE	360.00	360.00	151.70	151.70	OC21V	METHYL ISOBUTYL KETONE (4-M	

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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G216DQA	MW-216	05/09/2002	PROFILE	370.00	370.00	161.70	161.70	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G216DQA	MW-216	05/09/2002	PROFILE	370.00	370.00	161.70	161.70	8330N	2,6-DINITROTOLUENE	NO
G216DQA	MW-216	05/09/2002	PROFILE	370.00	370.00	161.70	161.70	8330N	2-NITROTOLUENE	NO
G216DQA	MW-216	05/09/2002	PROFILE	370.00	370.00	161.70	161.70	8330N	3-NITROTOLUENE	NO
G216DQA	MW-216	05/09/2002	PROFILE	370.00	370.00	161.70	161.70	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G216DQA	MW-216	05/09/2002	PROFILE	370.00	370.00	161.70	161.70	8330N	4-NITROTOLUENE	NO
G216DQA	MW-216	05/09/2002	PROFILE	370.00	370.00	161.70	161.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G216DQA	MW-216	05/09/2002	PROFILE	370.00	370.00	161.70	161.70	8330N	NITROGLYCERIN	NO
G216DQA	MW-216	05/09/2002	PROFILE	370.00	370.00	161.70	161.70	8330N	PICRIC ACID	NO
G216DQA	MW-216	05/09/2002	PROFILE	370.00	370.00	161.70	161.70	OC21V	ACETONE	
G216DQA	MW-216	05/09/2002	PROFILE	370.00	370.00	161.70	161.70	OC21V	BENZENE	
G216DQA	MW-216	05/09/2002	PROFILE	370.00	370.00	161.70	161.70	OC21V	METHYL ETHYL KETONE (2-BUTA	
G216DQA	MW-216	05/09/2002	PROFILE	370.00	370.00	161.70	161.70	OC21V	METHYL ISOBUTYL KETONE (4-M	
G217DBA	MW-217	05/14/2002	PROFILE	20.00	20.00	14.20	14.20	8330N	2,4,6-TRINITROTOLUENE	NO
G217DBA	MW-217	05/14/2002	PROFILE	20.00	20.00	14.20	14.20	8330N	2,6-DINITROTOLUENE	NO
G217DBA	MW-217	05/14/2002	PROFILE	20.00	20.00	14.20	14.20	8330N	PICRIC ACID	NO
G217DBA	MW-217	05/14/2002	PROFILE	20.00	20.00	14.20	14.20	OC21V	BENZENE	
G217DBA	MW-217	05/14/2002	PROFILE	20.00	20.00	14.20	14.20	OC21V	CHLOROFORM	
G217DBA	MW-217	05/14/2002	PROFILE	20.00	20.00	14.20	14.20	OC21V	TOLUENE	
G217DCA	MW-217	05/14/2002	PROFILE	30.00	30.00	24.20	24.20	OC21V	BENZENE	
G217DCA	MW-217	05/14/2002	PROFILE	30.00	30.00	24.20	24.20	OC21V	CHLOROFORM	
G217DDA	MW-217	05/14/2002	PROFILE	40.00	40.00	34.20	34.20	OC21V	BENZENE	
G217DDA	MW-217	05/14/2002	PROFILE	40.00	40.00	34.20	34.20	OC21V	CHLOROFORM	
G217DDA	MW-217	05/14/2002	PROFILE	40.00	40.00	34.20	34.20	OC21V	TOLUENE	
G217DEA	MW-217	05/14/2002	PROFILE	50.00	50.00	44.20	44.20	OC21V	BENZENE	
G217DEA	MW-217	05/14/2002	PROFILE	50.00	50.00	44.20	44.20	OC21V	CHLOROFORM	
G217DEA	MW-217	05/14/2002	PROFILE	50.00	50.00	44.20	44.20	OC21V	TOLUENE	
G217DFA	MW-217	05/14/2002	PROFILE	60.00	60.00	54.20	54.20	OC21V	BENZENE	
G217DFA	MW-217	05/14/2002	PROFILE	60.00	60.00	54.20	54.20	OC21V	CHLOROFORM	
G217DFA	MW-217	05/14/2002	PROFILE	60.00	60.00	54.20	54.20	OC21V	TOLUENE	
G217DGA	MW-217	05/14/2002	PROFILE	70.00	70.00	64.20	64.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES

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G217DGA	MW-217	05/14/2002	PROFILE	70.00	70.00	64.20	64.20	OC21V	CHLOROFORM	
G217DHA	MW-217	05/14/2002	PROFILE	80.00	80.00	74.20	74.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G217DHA	MW-217	05/14/2002	PROFILE	80.00	80.00	74.20	74.20	OC21V	CHLOROFORM	
G217DIA	MW-217	05/14/2002	PROFILE	90.00	90.00	84.20	84.20	OC21V	CHLOROFORM	
G217DIA	MW-217	05/14/2002	PROFILE	90.00	90.00	84.20	84.20	OC21V	TOLUENE	
G217DJA	MW-217	05/14/2002	PROFILE	100.00	100.00	94.20	94.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G217DJA	MW-217	05/14/2002	PROFILE	100.00	100.00	94.20	94.20	OC21V	CHLOROFORM	
G217DKA	MW-217	05/14/2002	PROFILE	110.00	110.00	104.20	104.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G217DKA	MW-217	05/14/2002	PROFILE	110.00	110.00	104.20	104.20	OC21V	BENZENE	
G217DKA	MW-217	05/14/2002	PROFILE	110.00	110.00	104.20	104.20	OC21V	CHLOROFORM	
G217DKA	MW-217	05/14/2002	PROFILE	110.00	110.00	104.20	104.20	OC21V	TOLUENE	
G217DLA	MW-217	05/14/2002	PROFILE	120.00	120.00	114.20	114.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G217DLA	MW-217	05/14/2002	PROFILE	120.00	120.00	114.20	114.20	OC21V	CHLOROFORM	
G217DMA	MW-217	05/14/2002	PROFILE	130.00	130.00	124.20	124.20	OC21V	CHLOROFORM	
G217DNA	MW-217	05/15/2002	PROFILE	140.00	140.00	134.20	134.20	E314.0	PERCHLORATE	
G217DOA	MW-217	05/15/2002	PROFILE	150.00	150.00	144.20	144.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G217DOA	MW-217	05/15/2002	PROFILE	150.00	150.00	144.20	144.20	OC21V	CHLOROFORM	
G217DOD	MW-217	05/15/2002	PROFILE	150.00	150.00	144.20	144.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G217DOD	MW-217	05/15/2002	PROFILE	150.00	150.00	144.20	144.20	OC21V	CHLOROFORM	
G217DPA	MW-217	05/15/2002	PROFILE	160.00	160.00	154.20	154.20	OC21V	1,2-DICHLOROPROPANE	
G217DPA	MW-217	05/15/2002	PROFILE	160.00	160.00	154.20	154.20	OC21V	ACETONE	
G217DPA	MW-217	05/15/2002	PROFILE	160.00	160.00	154.20	154.20	OC21V	CHLOROFORM	
G218DBA	MW-218	05/09/2002	PROFILE	20.00	20.00	13.83	13.83	OC21V	CHLOROFORM	
G218DCA	MW-218	05/09/2002	PROFILE	30.00	30.00	23.83	23.83	OC21V	CHLOROFORM	
G218DDA	MW-218	05/09/2002	PROFILE	40.00	40.00	33.83	33.83	OC21V	CHLOROFORM	
G218DEA	MW-218	05/09/2002	PROFILE	50.00	50.00	43.83	43.83	OC21V	CHLOROFORM	
G218DFA	MW-218	05/09/2002	PROFILE	60.00	60.00	53.83	53.83	OC21V	CHLOROFORM	
G218DGA	MW-218	05/09/2002	PROFILE	70.00	70.00	63.83	63.83	OC21V	CHLOROFORM	
G218DHA	MW-218	05/09/2002	PROFILE	80.00	80.00	73.83	73.83	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G218DHA	MW-218	05/09/2002	PROFILE	80.00	80.00	73.83	73.83	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G218DHA	MW-218	05/09/2002	PROFILE	80.00	80.00	73.83	73.83	OC21V	CHLOROFORM	

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TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
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SAMPLES COLLECTED 4/15/02 - 05/31/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G218DHD	MW-218	05/09/2002	PROFILE	80.00	80.00	73.83	73.83	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G218DHD	MW-218	05/09/2002	PROFILE	80.00	80.00	73.83	73.83	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G218DHD	MW-218	05/09/2002	PROFILE	80.00	80.00	73.83	73.83	OC21V	CHLOROFORM	
G218DIA	MW-218	05/10/2002	PROFILE	90.00	90.00	83.83	83.83	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G218DIA	MW-218	05/10/2002	PROFILE	90.00	90.00	83.83	83.83	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G218DIA	MW-218	05/10/2002	PROFILE	90.00	90.00	83.83	83.83	OC21V	CHLOROFORM	
G218DJA	MW-218	05/10/2002	PROFILE	100.00	100.00	93.83	93.83	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G218DJA	MW-218	05/10/2002	PROFILE	100.00	100.00	93.83	93.83	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G218DJA	MW-218	05/10/2002	PROFILE	100.00	100.00	93.83	93.83	OC21V	CHLOROFORM	
G218DKA	MW-218	05/10/2002	PROFILE	110.00	110.00	103.83	103.83	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G218DKA	MW-218	05/10/2002	PROFILE	110.00	110.00	103.83	103.83	OC21V	CHLOROFORM	
G218DLA	MW-218	05/10/2002	PROFILE	120.00	120.00	113.83	113.83	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G218DMA	MW-218	05/10/2002	PROFILE	130.00	130.00	123.83	123.83	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G218DMA	MW-218	05/10/2002	PROFILE	130.00	130.00	123.83	123.83	E314.0	PERCHLORATE	
G218DNA	MW-218	05/10/2002	PROFILE	140.00	140.00	133.83	133.83	OC21V	CHLOROFORM	
G218DOA	MW-218	05/10/2002	PROFILE	150.00	150.00	143.83	143.83	OC21V	CHLOROFORM	
G218DPA	MW-218	05/13/2002	PROFILE	160.00	160.00	153.83	153.83	OC21V	BENZENE	
G218DPA	MW-218	05/13/2002	PROFILE	160.00	160.00	153.83	153.83	OC21V	CHLOROFORM	
G218DPA	MW-218	05/13/2002	PROFILE	160.00	160.00	153.83	153.83	OC21V	TOLUENE	
G218DPA	MW-218	05/13/2002	PROFILE	160.00	160.00	153.83	153.83	OC21V	XYLENES, TOTAL	
G218DQA	MW-218	05/13/2002	PROFILE	170.00	170.00	163.83	163.83	OC21V	CHLOROFORM	
G218DRA	MW-218	05/13/2002	PROFILE	180.00	180.00	173.83	173.83	OC21V	CHLOROFORM	
G219DAA	MW-219	05/29/2002	PROFILE	195.00	195.00	8.00	8.00	8330N	2,4,6-TRINITROTOLUENE	NO
G219DAA	MW-219	05/29/2002	PROFILE	195.00	195.00	8.00	8.00	8330N	2,6-DINITROTOLUENE	YES*
G219DAA	MW-219	05/29/2002	PROFILE	195.00	195.00	8.00	8.00	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G219DAA	MW-219	05/29/2002	PROFILE	195.00	195.00	8.00	8.00	8330N	NITROGLYCERIN	NO
G219DAA	MW-219	05/29/2002	PROFILE	195.00	195.00	8.00	8.00	OC21V	2-HEXANONE	
G219DAA	MW-219	05/29/2002	PROFILE	195.00	195.00	8.00	8.00	OC21V	ACETONE	
G219DAA	MW-219	05/29/2002	PROFILE	195.00	195.00	8.00	8.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G219DAA	MW-219	05/29/2002	PROFILE	195.00	195.00	8.00	8.00	OC21V	METHYL ISOBUTYL KETONE (4-M	
G219DBA	MW-219	05/30/2002	PROFILE	200.00	200.00	13.00	13.00	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES*

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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G219DBA	MW-219	05/30/2002	PROFILE	200.00	200.00	13.00	13.00	8330N	2,6-DINITROTOLUENE	NO
G219DBA	MW-219	05/30/2002	PROFILE	200.00	200.00	13.00	13.00	8330N	2-NITROTOLUENE	NO
G219DBA	MW-219	05/30/2002	PROFILE	200.00	200.00	13.00	13.00	8330N	3-NITROTOLUENE	NO
G219DBA	MW-219	05/30/2002	PROFILE	200.00	200.00	13.00	13.00	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G219DBA	MW-219	05/30/2002	PROFILE	200.00	200.00	13.00	13.00	8330N	4-NITROTOLUENE	NO
G219DBA	MW-219	05/30/2002	PROFILE	200.00	200.00	13.00	13.00	8330N	NITROGLYCERIN	NO
G219DBA	MW-219	05/30/2002	PROFILE	200.00	200.00	13.00	13.00	8330N	PICRIC ACID	NO
G219DCA	MW-219	05/30/2002	PROFILE	210.00	210.00	23.00	23.00	8330N	2,6-DINITROTOLUENE	YES*
G219DCA	MW-219	05/30/2002	PROFILE	210.00	210.00	23.00	23.00	8330N	2-NITROTOLUENE	NO
G219DCA	MW-219	05/30/2002	PROFILE	210.00	210.00	23.00	23.00	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G219DCA	MW-219	05/30/2002	PROFILE	210.00	210.00	23.00	23.00	8330N	NITROGLYCERIN	NO
G219DCA	MW-219	05/30/2002	PROFILE	210.00	210.00	23.00	23.00	8330N	PICRIC ACID	NO
G219DDA	MW-219	05/30/2002	PROFILE	220.00	220.00	33.00	33.00	8330N	2,6-DINITROTOLUENE	YES*
G219DDA	MW-219	05/30/2002	PROFILE	220.00	220.00	33.00	33.00	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G219DDA	MW-219	05/30/2002	PROFILE	220.00	220.00	33.00	33.00	8330N	4-NITROTOLUENE	NO
G219DDA	MW-219	05/30/2002	PROFILE	220.00	220.00	33.00	33.00	8330N	NITROGLYCERIN	NO
G219DDA	MW-219	05/30/2002	PROFILE	220.00	220.00	33.00	33.00	8330N	PICRIC ACID	NO
G219DEA	MW-219	05/30/2002	PROFILE	230.00	230.00	43.00	43.00	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES*
G219DEA	MW-219	05/30/2002	PROFILE	230.00	230.00	43.00	43.00	8330N	2,6-DINITROTOLUENE	NO*
G219DEA	MW-219	05/30/2002	PROFILE	230.00	230.00	43.00	43.00	8330N	4-AMINO-2,6-DINITROTOLUENE	NO*
G219DEA	MW-219	05/30/2002	PROFILE	230.00	230.00	43.00	43.00	8330N	4-NITROTOLUENE	NO
G219DEA	MW-219	05/30/2002	PROFILE	230.00	230.00	43.00	43.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO*
G219DEA	MW-219	05/30/2002	PROFILE	230.00	230.00	43.00	43.00	8330N	NITROGLYCERIN	NO
G219DEA	MW-219	05/30/2002	PROFILE	230.00	230.00	43.00	43.00	8330N	PICRIC ACID	NO
G219DFA	MW-219	05/30/2002	PROFILE	240.00	240.00	53.00	53.00	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES*
G219DFA	MW-219	05/30/2002	PROFILE	240.00	240.00	53.00	53.00	8330N	2,6-DINITROTOLUENE	NO*
G219DFA	MW-219	05/30/2002	PROFILE	240.00	240.00	53.00	53.00	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G219DFA	MW-219	05/30/2002	PROFILE	240.00	240.00	53.00	53.00	8330N	4-NITROTOLUENE	NO
G219DFA	MW-219	05/30/2002	PROFILE	240.00	240.00	53.00	53.00	8330N	NITROGLYCERIN	NO
G219DFA	MW-219	05/30/2002	PROFILE	240.00	240.00	53.00	53.00	8330N	PICRIC ACID	NO
G220DAA	MW-220	05/28/2002	PROFILE	140.00	140.00	12.00	12.00	8330N	2-NITROTOLUENE	NO

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G220DAA	MW-220	05/28/2002	PROFILE	140.00	140.00	12.00	12.00	8330N	4-NITROTOLUENE	NO
G220DAA	MW-220	05/28/2002	PROFILE	140.00	140.00	12.00	12.00	8330N	NITROGLYCERIN	NO
G220DAA	MW-220	05/28/2002	PROFILE	140.00	140.00	12.00	12.00	8330N	PICRIC ACID	NO
G220DBA	MW-220	05/28/2002	PROFILE	150.00	150.00	22.00	22.00	8330N	2-NITROTOLUENE	NO
G220DBA	MW-220	05/28/2002	PROFILE	150.00	150.00	22.00	22.00	8330N	4-NITROTOLUENE	NO
G220DBA	MW-220	05/28/2002	PROFILE	150.00	150.00	22.00	22.00	8330N	NITROGLYCERIN	NO
G220DBA	MW-220	05/28/2002	PROFILE	150.00	150.00	22.00	22.00	8330N	PICRIC ACID	NO
G220DCA	MW-220	05/28/2002	PROFILE	160.00	160.00	32.00	32.00	8330N	2-NITROTOLUENE	NO
G220DCA	MW-220	05/28/2002	PROFILE	160.00	160.00	32.00	32.00	8330N	4-NITROTOLUENE	NO
G220DCA	MW-220	05/28/2002	PROFILE	160.00	160.00	32.00	32.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G220DCA	MW-220	05/28/2002	PROFILE	160.00	160.00	32.00	32.00	8330N	NITROGLYCERIN	NO
G220DCA	MW-220	05/28/2002	PROFILE	160.00	160.00	32.00	32.00	8330N	PICRIC ACID	NO
G220DDA	MW-220	05/28/2002	PROFILE	170.00	170.00	42.00	42.00	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G220DDA	MW-220	05/28/2002	PROFILE	170.00	170.00	42.00	42.00	8330N	NITROGLYCERIN	NO
G220DDA	MW-220	05/28/2002	PROFILE	170.00	170.00	42.00	42.00	8330N	PICRIC ACID	NO
G220DEA	MW-220	05/28/2002	PROFILE	180.00	180.00	52.00	52.00	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G220DEA	MW-220	05/28/2002	PROFILE	180.00	180.00	52.00	52.00	8330N	NITROGLYCERIN	NO
G220DEA	MW-220	05/28/2002	PROFILE	180.00	180.00	52.00	52.00	8330N	PICRIC ACID	NO
G220DFA	MW-220	05/28/2002	PROFILE	190.00	190.00	62.00	62.00	8330N	NITROGLYCERIN	NO
G220DGA	MW-220	05/29/2002	PROFILE	200.00	200.00	72.00	72.00	8330N	NITROGLYCERIN	NO
G220DGA	MW-220	05/29/2002	PROFILE	200.00	200.00	72.00	72.00	8330N	PICRIC ACID	NO
G220DHA	MW-220	05/29/2002	PROFILE	210.00	210.00	82.00	82.00	8330N	NITROGLYCERIN	NO
G220DIA	MW-220	05/29/2002	PROFILE	220.00	220.00	92.00	92.00	8330N	2,6-DINITROTOLUENE	YES*
G220DIA	MW-220	05/29/2002	PROFILE	220.00	220.00	92.00	92.00	8330N	4-NITROTOLUENE	NO
G220DIA	MW-220	05/29/2002	PROFILE	220.00	220.00	92.00	92.00	8330N	NITROGLYCERIN	NO
G220DIA	MW-220	05/29/2002	PROFILE	220.00	220.00	92.00	92.00	8330N	PICRIC ACID	NO
G220DLA	MW-220	05/29/2002	PROFILE	250.00	250.00	122.00	122.00	8330N	PICRIC ACID	NO
G220DOA	MW-220	05/30/2002	PROFILE	280.00	280.00	152.00	152.00	8330N	NITROGLYCERIN	NO
G220DOA	MW-220	05/30/2002	PROFILE	280.00	280.00	152.00	152.00	8330N	PICRIC ACID	NO
G221DAA	MW-221	05/14/2002	PROFILE	150.00	150.00	4.50	4.50	8330N	2,6-DINITROTOLUENE	NO
G221DAA	MW-221	05/14/2002	PROFILE	150.00	150.00	4.50	4.50	8330N	3-NITROTOLUENE	NO

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G221DAA	MW-221	05/14/2002	PROFILE	150.00	150.00	4.50	4.50	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G221DAA	MW-221	05/14/2002	PROFILE	150.00	150.00	4.50	4.50	8330N	NITROGLYCERIN	NO
G221DAA	MW-221	05/14/2002	PROFILE	150.00	150.00	4.50	4.50	8330N	PICRIC ACID	NO
G221DHA	MW-221	05/15/2002	PROFILE	220.00	220.00	74.50	74.50	8330N	2,6-DINITROTOLUENE	NO
G221DHA	MW-221	05/15/2002	PROFILE	220.00	220.00	74.50	74.50	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G221DHA	MW-221	05/15/2002	PROFILE	220.00	220.00	74.50	74.50	8330N	3-NITROTOLUENE	NO
G221DHA	MW-221	05/15/2002	PROFILE	220.00	220.00	74.50	74.50	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G221DHA	MW-221	05/15/2002	PROFILE	220.00	220.00	74.50	74.50	8330N	NITROGLYCERIN	NO
G221DHA	MW-221	05/15/2002	PROFILE	220.00	220.00	74.50	74.50	8330N	PICRIC ACID	NO
G221DIA	MW-221	05/15/2002	PROFILE	230.00	230.00	84.50	84.50	8330N	NITROGLYCERIN	NO
G221DJA	MW-221	05/15/2002	PROFILE	240.00	240.00	94.50	94.50	8330N	NITROGLYCERIN	NO
G221DKA	MW-221	05/15/2002	PROFILE	250.00	250.00	104.50	104.50	8330N	NITROGLYCERIN	NO
G221DKA	MW-221	05/15/2002	PROFILE	250.00	250.00	104.50	104.50	8330N	PICRIC ACID	NO
G221DMA	MW-221	05/16/2002	PROFILE	270.00	270.00	124.50	124.50	8330N	2,6-DINITROTOLUENE	NO
G221DMA	MW-221	05/16/2002	PROFILE	270.00	270.00	124.50	124.50	8330N	3-NITROTOLUENE	NO
G221DMA	MW-221	05/16/2002	PROFILE	270.00	270.00	124.50	124.50	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G221DMA	MW-221	05/16/2002	PROFILE	270.00	270.00	124.50	124.50	8330N	NITROBENZENE	NO
G221DMA	MW-221	05/16/2002	PROFILE	270.00	270.00	124.50	124.50	8330N	NITROGLYCERIN	NO
G221DMA	MW-221	05/16/2002	PROFILE	270.00	270.00	124.50	124.50	8330N	PICRIC ACID	NO
G221DPA	MW-221	05/17/2002	PROFILE	300.00	300.00	154.50	154.50	8330N	3-NITROTOLUENE	NO
G221DPA	MW-221	05/17/2002	PROFILE	300.00	300.00	154.50	154.50	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G221DPA	MW-221	05/17/2002	PROFILE	300.00	300.00	154.50	154.50	8330N	NITROGLYCERIN	NO*
G221DPA	MW-221	05/17/2002	PROFILE	300.00	300.00	154.50	154.50	8330N	PICRIC ACID	NO
G221DTA	MW-221	05/17/2002	PROFILE	340.00	340.00	194.50	194.50	8330N	NITROGLYCERIN	NO
G222DAA	MW-222	05/14/2002	PROFILE	125.00	125.00	9.70	9.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G222DAA	MW-222	05/14/2002	PROFILE	125.00	125.00	9.70	9.70	8330N	NITROGLYCERIN	NO
G222DBA	MW-222	05/14/2002	PROFILE	130.00	130.00	14.70	14.70	8330N	2,6-DINITROTOLUENE	NO
G222DBA	MW-222	05/14/2002	PROFILE	130.00	130.00	14.70	14.70	8330N	2-NITROTOLUENE	NO
G222DBA	MW-222	05/14/2002	PROFILE	130.00	130.00	14.70	14.70	8330N	4-NITROTOLUENE	NO
G222DBA	MW-222	05/14/2002	PROFILE	130.00	130.00	14.70	14.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G222DBA	MW-222	05/14/2002	PROFILE	130.00	130.00	14.70	14.70	8330N	NITROGLYCERIN	NO

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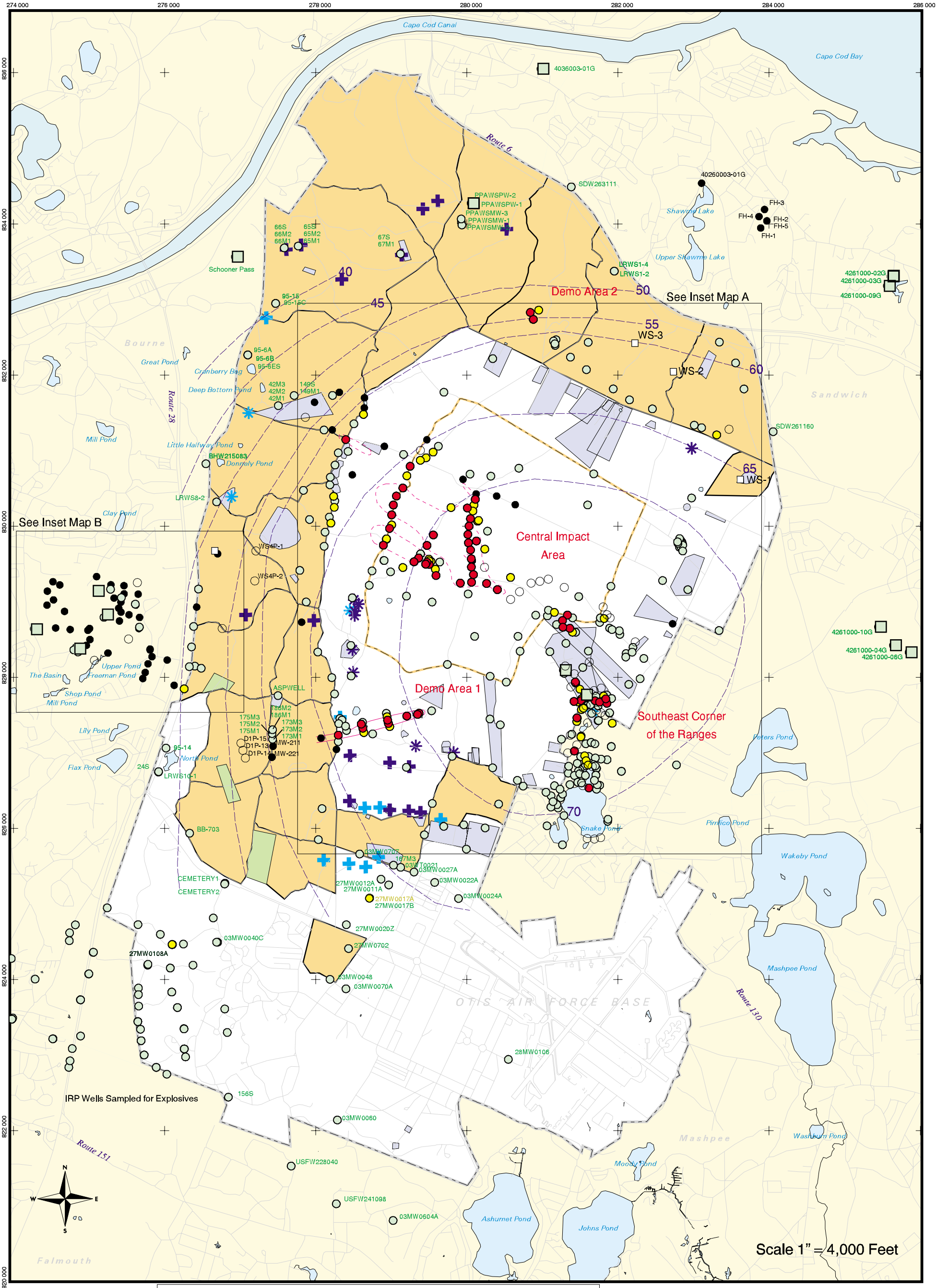
SAMPLES COLLECTED 4/15/02 - 05/31/02

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G222DCA	MW-222	05/15/2002	PROFILE	140.00	140.00	24.70	24.70	8330N	3-NITROTOLUENE	NO
G222DCA	MW-222	05/15/2002	PROFILE	140.00	140.00	24.70	24.70	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G222DCA	MW-222	05/15/2002	PROFILE	140.00	140.00	24.70	24.70	8330N	4-NITROTOLUENE	NO
G222DCA	MW-222	05/15/2002	PROFILE	140.00	140.00	24.70	24.70	8330N	NITROGLYCERIN	NO
G222DCA	MW-222	05/15/2002	PROFILE	140.00	140.00	24.70	24.70	8330N	PICRIC ACID	NO
G222DDA	MW-222	05/15/2002	PROFILE	150.00	150.00	34.70	34.70	8330N	NITROGLYCERIN	NO
G222DFA	MW-222	05/15/2002	PROFILE	170.00	170.00	54.70	54.70	8330N	NITROGLYCERIN	NO
G222DFD	MW-222	05/15/2002	PROFILE	170.00	170.00	54.70	54.70	8330N	NITROGLYCERIN	NO
G222DGA	MW-222	05/15/2002	PROFILE	180.00	180.00	64.70	64.70	8330N	NITROGLYCERIN	NO
G222DHA	MW-222	05/15/2002	PROFILE	190.00	190.00	74.70	74.70	8330N	NITROGLYCERIN	NO
G222DJA	MW-222	05/15/2002	PROFILE	210.00	210.00	94.70	94.70	8330N	NITROGLYCERIN	NO
G222DLA	MW-222	05/15/2002	PROFILE	230.00	230.00	114.70	114.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G222DLA	MW-222	05/15/2002	PROFILE	230.00	230.00	114.70	114.70	8330N	NITROGLYCERIN	NO

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



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)
- Area of RDX Detections greater than 2.0 ppb
- 2.0 ppb RDX Concentration Contour

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

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IAGWSP Impact Area Groundwater Study Program

Figure 1

Explosives in Groundwater Compared to Maximum Contaminant Level/Health Advisories
Validated Data as of 5/24/02

d:\work\monthly\june2002\exp

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

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

Demo Area 2

Central Impact Area

CS-19

Demo Area 1

Southeast Corner of the Ranges

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

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

45 50 55 60 65 70

WS-1 WS-2 WS-3

RW-1 RW-3

KP-2

SMR-2 SMR-3 SMR-4

RANGECON

MW-202 MW-203 MW-204 MW-205 MW-206 MW-207 MW-208 MW-209 MW-210 MW-212 MW-214 MW-215 MW-216 MW-222

CIAP-11 CIAP-12 CIAP-14 CIAP-24 CIAP-25

J1P-1 J1P-16 J1P-17 J1P-18

J2P-12 J2P-13 J2P-14 J2P-15

J3P-10 J3P-17 J3P-18 J3P-19 J3P-20 J3P-21 J3P-22 J3P-23 J3P-24 J3P-25 J3P-26 J3P-27 J3P-28 J3P-29 J3P-30

LP-5 LP-6 LP-7 LP-8 LP-9 LP-10

TEXTRONPW-1 TEXTRONPW-2

OW-1 OW-2 OW-3

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

LRMW0003 USCGANTST 15WT0712 15WT0711 90WT0010

Scale 1" = 1,200 Feet

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

amec May 31, 2002 DRAFT

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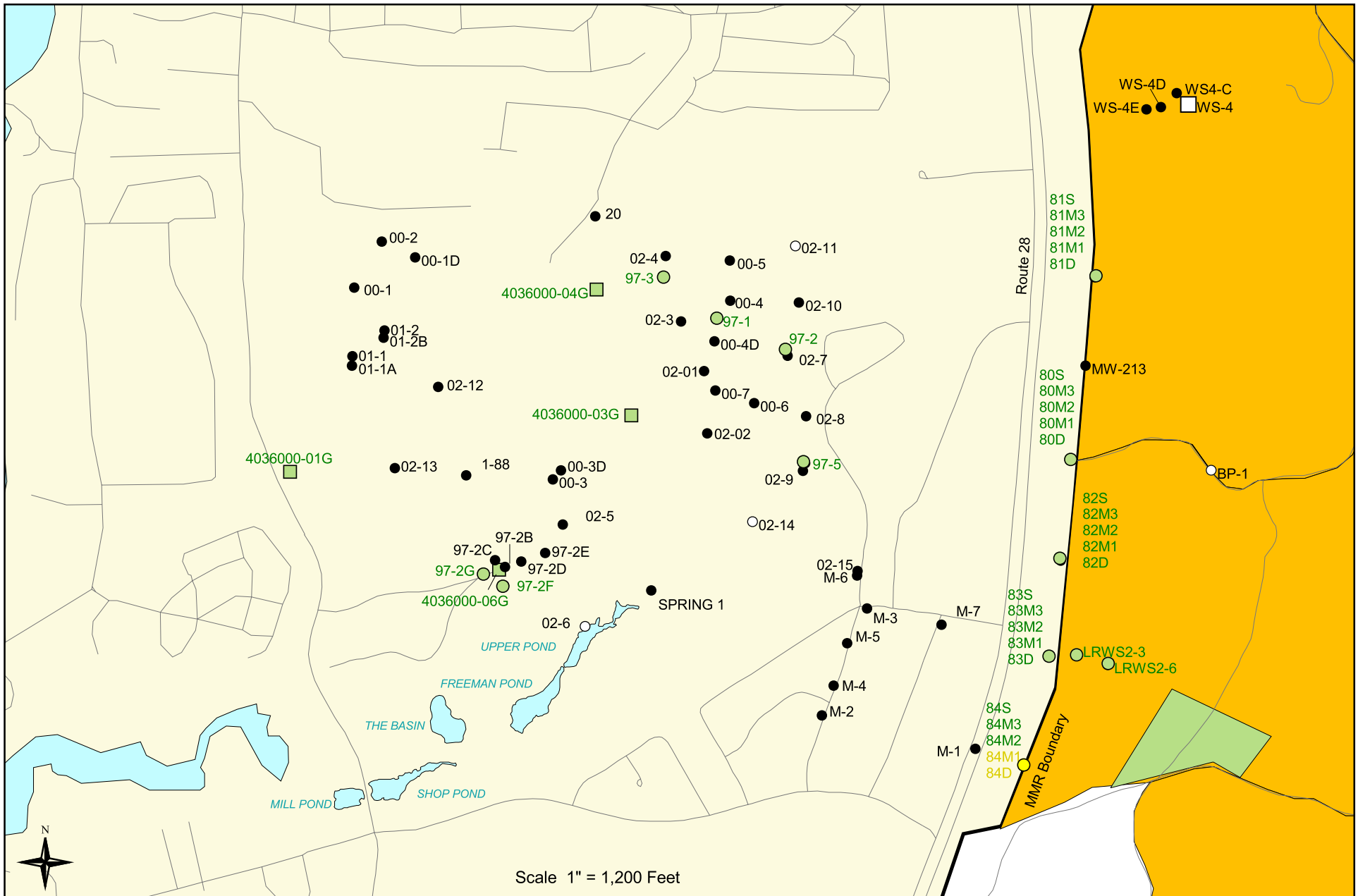
LEGEND

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

IAGWSP Impact Area Groundwater Study Program

Figure 1 - INSET MAP A

Explosives in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 5/24/02



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

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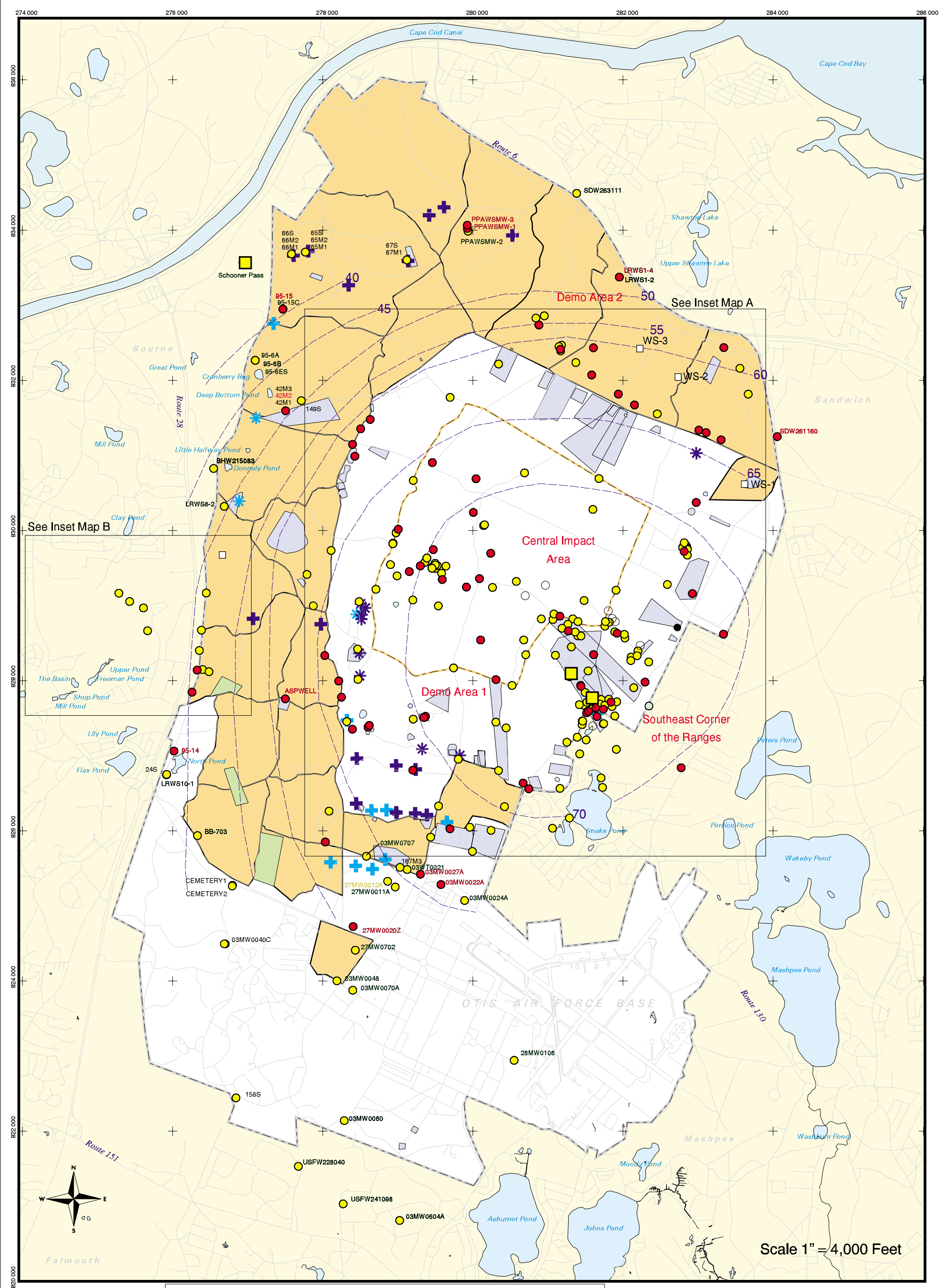
- Validated Detection Less than Maximum Contaminant Level/Health Advisories
- Validated Non-Detect
- Validated Non-Detect Water Supply Well
- Future Supply Well
- No Data Available
- Proposed Well
- Combat Training Areas
- MilitaryTraining Areas

IAGWSP Impact Area Groundwater Study Program

Figure 1 - INSET MAP B

Explosives in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 5/24/02



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
- Water Table Contour (feet above mean sea level)
- Validated Detection less than Maximum Contaminant Level Health Advisories, Water Supply Well
- 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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Figure 2

Metals in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 5/24/02

d:\work\monthly\june2002\metals

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

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

45 50 55 60 65 70

Demo Area 2

Central Impact Area

Demo Area 1

Southeast Corner of the Ranges

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

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

WS-1 WS-2 WS-3

RANGECON

160S 161S 16S 16D

11MW0002 11MW0003 11MW0004 11MW0001

53S 53M3 53M2 53M1 53D

17S 17M3 17M2 17M1 17D

52S 52M3 52M2 52M1 52D

54S 54M3 54M2 54M1 54D

55S 55M3 55M2 55M1 55D

63S 63M3 63M2 63M1 63D

LRMW0003 RW-3 RW-1

62S 10S 10M1 10D

50S 50M3 50M2 50M1 50D

23S 23M3 23M2 23M1 23D 51S 51M3 51M2 51M1 51D 72S

48S 48M3 48M2 48M1 48D 49S 49M3 49M2 49M1 49D 18S 18M2 18M1 18D

41M3 41M2 41M1 43S 43M2 43M1

03S 03M2 03M1 03D 04S 11S

02S 02M2 02M1 02D 59S 59M2 59M1 26S

05S 05M2 05M1 05D LRWS4-1

39S 39M2 39M1 58MW0018A 58MW0018B 58MW0018C 58MW0007C 58MW0007B 58MW0007E 22S

58MW0017A 58MW0017B 58MW0017C 38S 38M4 38M3 38M2 38M1 38D 58MW0003 58MW0009C 58MW0009E 58MW0010A 58MW0010B 58MW0015A 58MW0015B 58MW0004 58MW0005E 58MW0008E 58MW0011D 58MW0011E 58MW0002 58MW0001 58MW0016A 58MW0016B 58MW0016C 58MW0006E 09S 94S 94M2 94M1 25S

44S 44M2 44M1

01S 01M2 01M1 01D 40S 40M1 27S J1P-18 J1P-1 37M3 37M2 37M1 15S 15D 104S 104M2 104M1 08S

15WT0712 15MW0006 15MW0001 15WT0007 15MW0009 15MW0005 15MW0008 15MW0007 15MW0004 15MW0002 15WT0711 170M3 170M2 170M1 LRWS5-1 12S

192M3 192M2 192M1 187S 187M1 187D 06S 164M3 164M2 164M1 118M2 118M1 126S 126M1 188S 188M1 166M3 166M2 166M1 191S 191M2 191M1 168M3 168M2 168M1 58S 189S 136S 136M1 152M2 152M1 07S 07M2 07M1 07D

J2P-13 J2P-12 J2P-14 29S 130S 130M1 130D 119S 117S SMR-2 137S 120S 120M1 MW-215 57S 57M3 57M2 57M1 57D

J2P-15 116S 121S 122S 154S 154M1 158S 158M2 158M1

SMR-4 13S 13D 190M2 190M1 127S 128S 128M2 128M1 TEXTRONPW-2 125S 125M1 163S 132S 132M1 131S 131M2 131M1 LRWS7-1

147M3 147M2 147M1 153M3 153M2 153M1 90LWA0007 45S 45M2 45M1 146S 146M1 140M1 RS0047

196S 196M1 197M3 197M2 197M1 181S 30S TEXTRONPW-1 90MW0023B 194M1 195S 198M3 198M2 198M1 90MW0013 90MW0021 144S 144M2 144M1 J3P-10 90WT0013 90WT0003 90WT0015 90MW0014 90MW0038 90MW0031 90MW0022 145S 145M1 148S 148M1 90MW0019 142S 142M2 142M1 J3P-27

90WT0005 155M2 155M1 157M2 157M1 157D 90MW0003 90MW0054 90WT0010

ECMWSNP02S ECMWSNP02D ECMWSNP03S ECMWSNP03D

LRWS8-1 90WT0008 56S 56M3 56M2 56M1 56D

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

SP3-91 SP4-91

69S 69M2 69M1 70S 70M1 71S 71M1 73S 19S 19D 31S 34M3 34M2 34M1 36S 36M2 36M1 35S 35M2 35M1 20S 174S 21S 21M3 21M2 21M1 21D 46S 46M3 46M2 46M1 46D 47S 47M3 47M2 47M1 47D 151S 150S 61S 60S SMR-3 109S 68S 68M1 64S 64M2 64M1

N W E S

Scale 1" = 1,200 Feet

LEGEND

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

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

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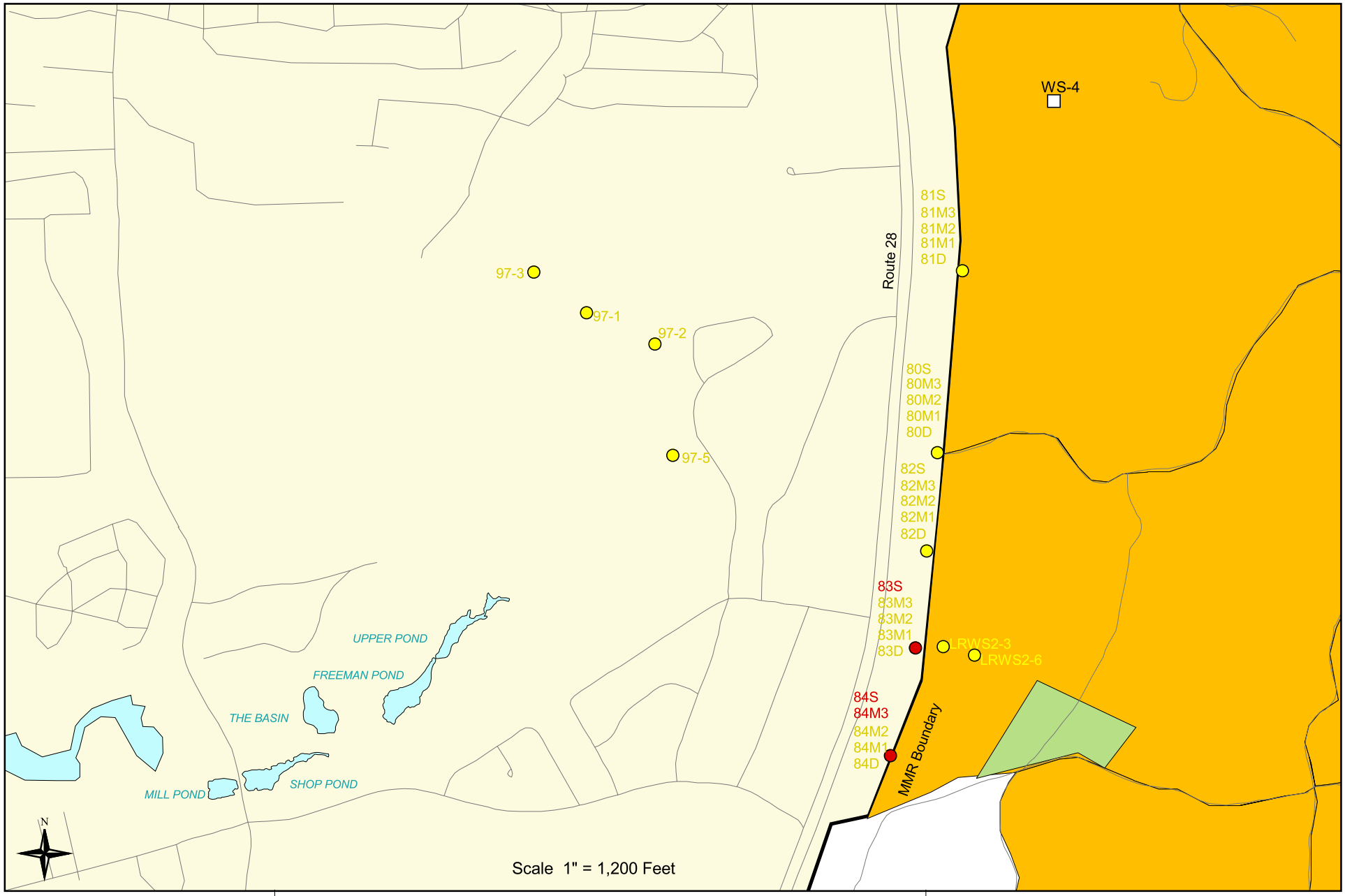
IAGWSP Impact Area Groundwater Study Program

Figure 2 - INSET MAP A

Metals in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 5/24/02



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

amec

June 4, 2002 DRAFT

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

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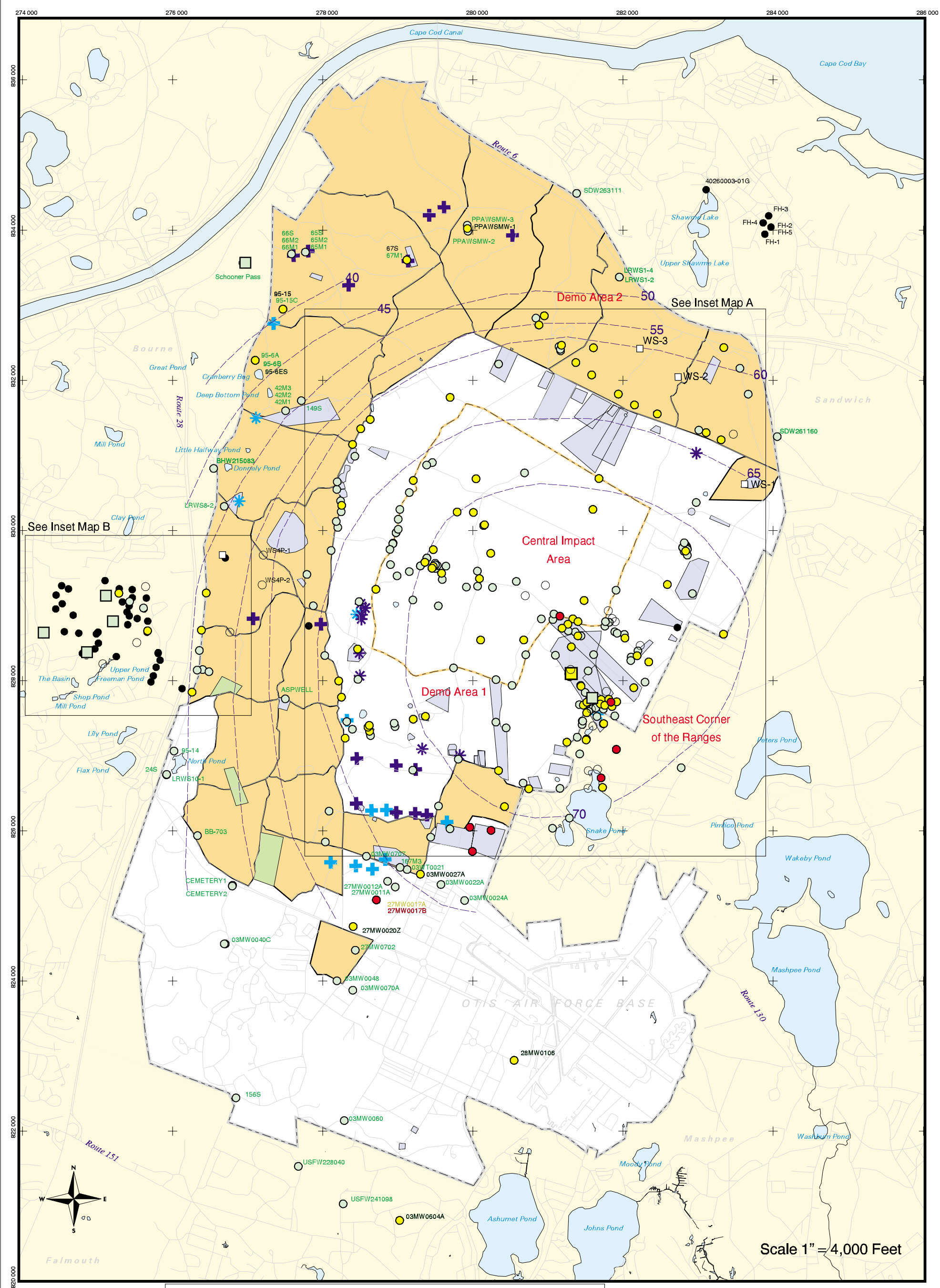
Figure 2 - INSET MAP B

Metals in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 5/24/02



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
- Water Table Contour (feet above mean sea level)
- Validated Detection less than Maximum Contaminant Level Health Advisories, Water Supply Well
- 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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Figure 3

Volatile Organic Compounds (excluding Chloroform) in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 5/24/02

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

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

Demo Area 2

Central Impact Area

Demo Area 1

Southeast Corner of the Ranges

45 50 55 60 65 70

Doughnut Pond
Gibbs Pond
Round Swamp
Burgoyne Rd
Baileys Pond
Gibbs Rd
Grassy Pond
Jefferson Rd
Spruce Swamp Rd
Pocasset Sandwich Rd
Ox Pond
Wood Rd
Barlow Rd
Succonsette Pond
Tank Alley
Turpentine Rd
Wheelock Rd
Opening Pond
Pocasset Forestdale Rd
J-3 Wetland
Greenway Rd
Raccoon Ln
Bypass Bog
Arnold Rd
Rt 130
Peters Pond
Snake Pond
Weeks Pond
Pimlico Pond
Snake Pond Rd

WS-1 WS-2 WS-3
RW-1 RW-2 RW-3
KP-2
RANGECON
MW-215 MW-216
SMR-2 SMR-3 SMR-4
LP-9
TEXTRONPW-1 TEXTRONPW-2
LRMW0003
LRWS4-1 LRWS5-1 LRWS6-1 LRWS7-1
ECMWSNP02S ECMWSNP02D ECMWSNP03S ECMWSNP03D
SP3-91 SP4-91
J1P-1 J1P-18 J2P-12 J2P-13 J2P-14 J2P-15 J3P-10 J3P-23 J3P-24 J3P-25 J3P-26 J3P-27

160S 161S 16S 16D
11MW0002 11MW0003 11MW0004 11MW0001
17S 17M3 17M2 17M1 17D
53S 53M3 53M2 53M1 53D
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
62S
10S 10M1 10D
50S 50M3 50M2 50M1 50D
51S 51M3 51M2 51M1 51D
23S 23M3 23M2 23M1 23D
72S
41M3 41M2 41M1
97M3 97M2 97M1
03S 03M2 03M1 03D
04S
11S
43S 43M2 43M1
95S 95M2 95M1
103M1 102M2 102M1
108M4 108M3 108M2 108M1 108D
110M3 110M2 110M1
201M2 201M1
200M2 200M1
135M3 135M2 135M1
88M2 88M1
87M3 87M2
39S 39M2 39M1
58MW0018A 58MW0018B 58MW0018C
58MW0007C 58MW0007B 58MW0007E
111M3 111M2 111M1
22S
174S
58MW0017A 58MW0017B 58MW0017C
58MW0009C 58MW0009E 58MW0010A 58MW0010B
58MW0008E
58MW0011D 58MW0011E
58MW0002 58MW0016A 58MW0016B 58MW0016C
58MW0003 58MW0015A 58MW0015B 58MW0004 58MW0001 58MW0005E 58MW0006E
38S 38M4 38M3 38M2 38M1 38D
09S 94S 94M2 94M1
25S
15S 15D
71S 71M1
104S 104M2 104M1
08S
141S 141M2
02S 02M2 02M1 02D
59S 59M2 59M1
26S
44S 44M2 44M1
90S 01S 01M2 01M1 01D
37M3 37M2 37M1
85S 85M1
40S 40M1
27S
12S
192M3 192M2 192M1
06S 187S 187M1 187D
164M3 164M2 164M1
188S 188M1
118M2 118M1
126S 126M1
166M3 166M2 166M1
168M3 168M2 168M1
29S 119S
130S 130M1 130D
117S 137S
120S 120M1
07S 07M2 07M1 07D
152M2 152M1
58S
191S 191M2 191M1
189S
136S 136M1
13S 13D
190M2 190M1
127S
116S 121S 122S
154S 154M1
158S 158M2 158M1
128S 128M2 128M1
125S 125M1
132S 132M1
163S
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153M3 153M2 153M1
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193S 193M1
197M3 197M2 197M1
181S 194M1
198M3 198M2 198M1
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143M3 143M2 143M1
145S 145M1
148S 148M1
146S 146M1
45S 45M2 45M1
140M1
142S 142M2 142M1
155M2 155M1
157M2 157M1 157D
170M3 170M2 170M1
57S 57M3 57M2 57M1 57D
56S 56M3 56M2 56M1 56D
14S
61S
28S 28M2 28M1
60S
109S
68S 68M1
64S 64M2 64M1
69S 69M2 69M1
46S 46M3 46M2 46M1 46D
47S 47M3 47M2 47M1 47D
21S 21M3 21M2 21M1 21D
70S 70M1
71S 71M1
20S
35S 35M2 35M1
165M2
34M3 34M2 34M1
36S 36M2 36M1
114M2 114M1
129M1
77M2 77M1
76S 76M2 76M1
31S
19S 19D
151S
150S
03MW0122A
03MW0710
03MW0006
03MW0709
03MW0007A
03MW0014A
03MW0020
90MW0029B 90LWA0007
45S 45M2 45M1
146S 146M1
90WT0013
90WT0003
90WT0015
90MW0038
90MW0031
90MW0019
90MW0014
90MW0022
90MW0021
90MW0013
90WT0005
90MW0004
90MW0003 90MW0005
90MW0054
90WT0010
90WT0008
15WT0712
15MW0008 15MW0007 15MW0004 15MW0002
15MW0006 15MW0001 15WT0007 15MW0009 15MW0005
15WT0711

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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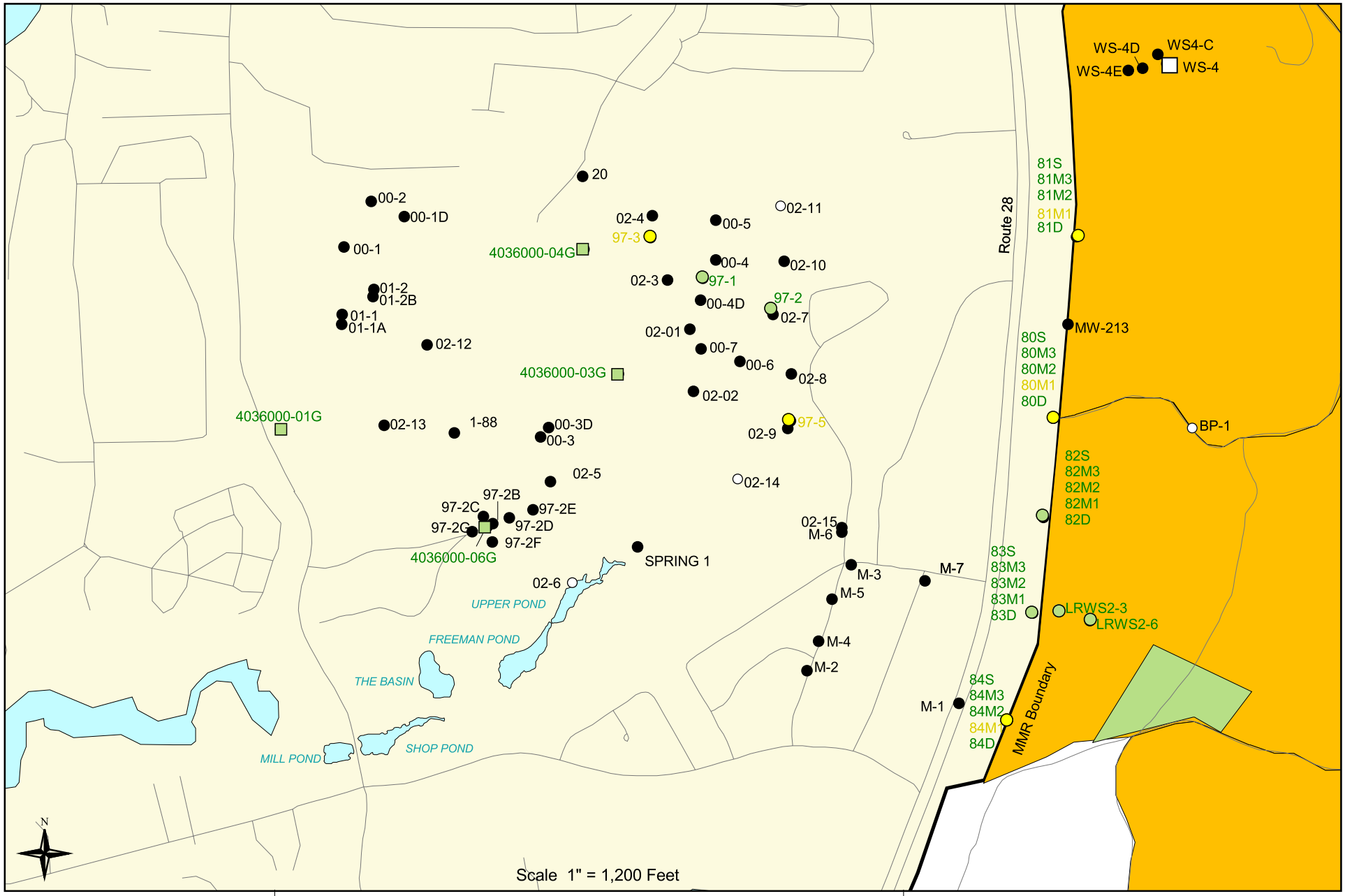
LEGEND

- 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
- Validated Detection less than Maximum Contaminant Level/Health Advisories Water Supply Well

IAGWSP Impact Area Groundwater Study Program

Figure 3 - INSET MAP A

Volatile Organic Compounds (excluding Chloroform) in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 5/24/02



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

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June 4, 2002 DRAFT

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

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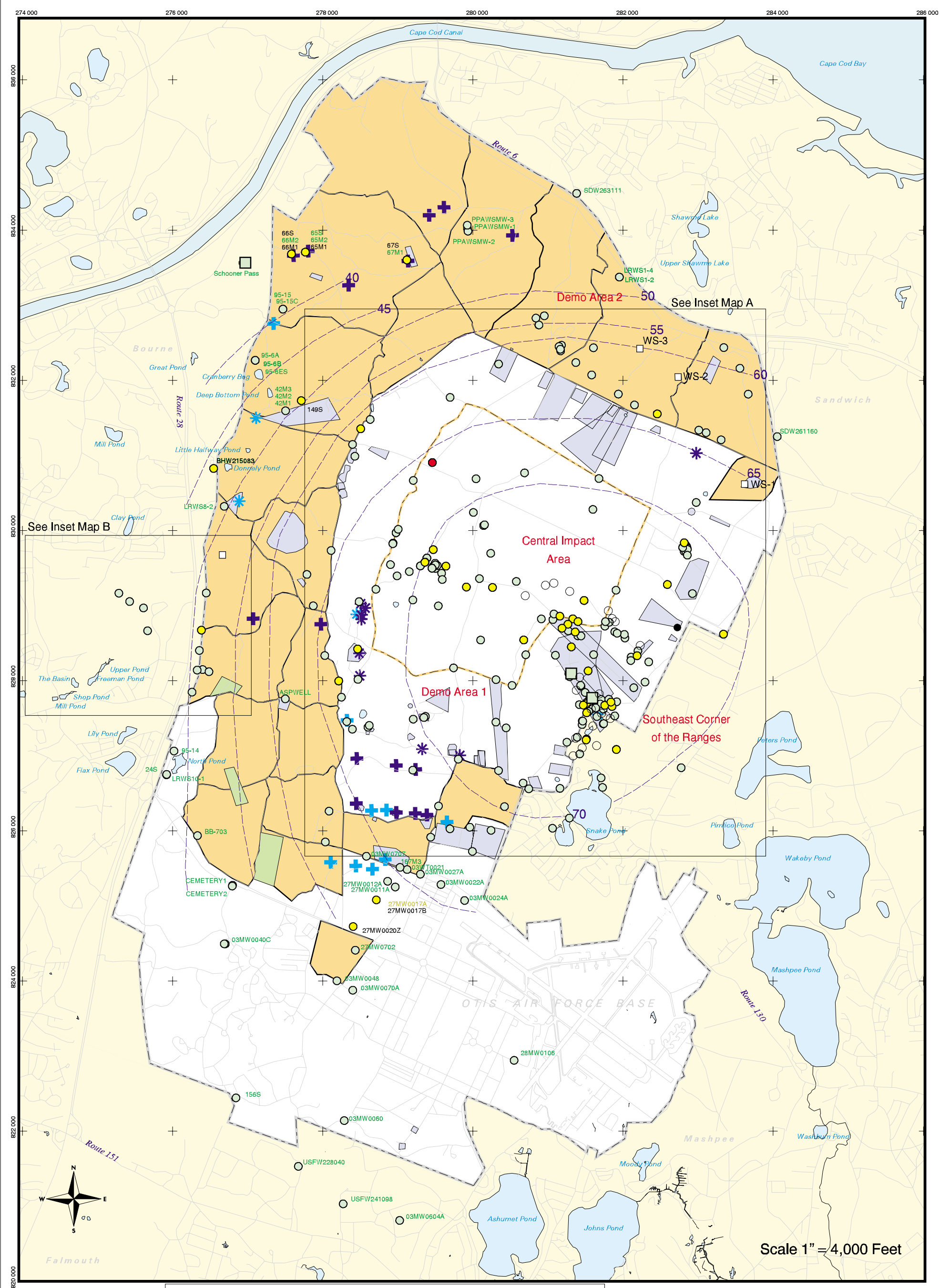
Figure 3 - INSET MAP B

Volatile Organic Compounds (excluding Chloroform) in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 5/24/02



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
- 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

amec June 03, 2002 DRAFT

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 5/24/02

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

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

Demo Area 2

Central Impact Area

Demo Area 1

Southeast Corner of the Ranges

45 50 55 60 65 70

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

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

WS-1 WS-2 WS-3
RW-1 RW-3
SMR-2 SMR-3 SMR-4
RANGECON
TEXTRONPW-1 TEXTRONPW-2
MW-215

160S 161S 16S 16D
11MW0002 11MW0003 11MW0004 11MW0001
17S 17M3 17M2 17M1 17D
53S 53M3 53M2 53M1 53D
LRMW0003
62S
52S 52M3 52M2 52M1 52D
54S 54M3 54M2 54M1 54D
55S 55M3 55M2 55M1 55D
63S 63M3 63M2 63M1 63D
10S 10M1 10D
50S 50M3 50M2 50M1 50D
51S 51M3 51M2 51M1 51D
23S 23M3 23M2 23M1 23D
72S
41M3 41M2 41M1
43S 43M2 43M1
03S 03M2 03M1 03D
04S
11S
48S 48M3 48M2 48M1 48D
49S 49M3 49M2 49M1 49D
18S 18M2 18M1 18D
62S 02M2 02M1 02D
05S 05M2 05M1 05D
59S 59M2 59M1
26S
39S 39M2 39M1
58MW0018A 58MW0018B 58MW0018C
58MW0007C 58MW0007B 58MW0007E
58MW0017A 58MW0017B 58MW0017C
38S 38M4 38M3 38M2 38M1 38D
58MW0003
58MW0009C 58MW0009E 58MW0010A 58MW0010B
58MW0015A 58MW0015B 58MW0004 58MW0005E
58MW0008E
58MW0011D 58MW0011E
58MW0002 58MW0001
58MW0016A 58MW0016B 58MW0016C
58MW0006E
09S 94S 94M2 94M1
25S
22S
174S
15S 15D
37M3 37M2 37M1
01S 01M2 01M1 01D
40S 40M1
27S
J1P-18 J1P-16 J1P-17 J1P-1
104S 104M2 104M1
08S
71S 71M1
192M3 192M2 192M1
12S
15WT0712 15MW0006 15MW0001 15WT0007 15MW0009 15MW0005 15WT0711
15MW0008 15MW0007 15MW0004 15MW0002
170M3 170M2 170M1
LRWS5-1
187S 187M1 187D
164M3 164M2 164M1
188S 188M1
06S
118M2 118M1
126S 126M1
166M3 166M2 166M1
168M3 168M2 168M1
191S 191M2 191M1
58S
189S
136S 136M1
152M2 152M1
07S 07M2 07M1 07D
J2P-13 J2P-12 J2P-14
29S
130S 130M1 130D
119S
117S
137S
120S 120M1
J2P-15
116S
121S
122S
154S 154M1
158S 158M2 158M1
57S 57M3 57M2 57M1 57D
70S 70M1
21S 21M3 21M2 21M1 21D
13S 13D
190M2 190M1
127S
128S 128M2 128M1
J3P-21
125S 125M1
163S
132S 132M1
14S
61S
28S 28M2 28M1
LRWS7-1
147M3 147M2 147M1
153M3 153M2 153M1
131S 131M2 131M1
90LWA0007
45S 45M2 45M1
146S 146M1
90WT0013
90WT0003 90WT0015
140M1
LP-6 LP-7 LP-8 LP-5
196S 196M1 197M3 197M2 197M1
J3P-17
193S 193M1
181S
30S
194M1 195S
90MW0023B
90MW0013
90MW0022
198M3 198M2 198M1
144S 144M2 144M1
J3P-10
90MW0014
143M3 143M2 143M1
145S 145M1
148S 148M1
90MW0038
90MW0031 90MW0019
90MW0022
142S 142M2 142M1
J3P-27
90WT0005
90MW0004
155M2 155M1
J3P-18
157M2 157M1 157D
J3P-20
J3P-19
90MW0003 90MW0005
90MW0054
J3P-22
90WT0010
ECMWSNP02S ECMWSNP02D
ECMWSNP03S ECMWSNP03D
SNP3-91
SNP4-91
56S 56M3 56M2 56M1 56D
03MW0122A
03MW0710
03MW0007A
03MW0014A
03MW0006
03MW0709
03MW0020
151S
150S
31S 19S 19D 73S
20S
34M3 34M2 34M1
36S 36M2 36M1
35S 35M2 35M1
64S 64M2 64M1
68S 68M1
109S
60S
LRWS6-1
90WT0008

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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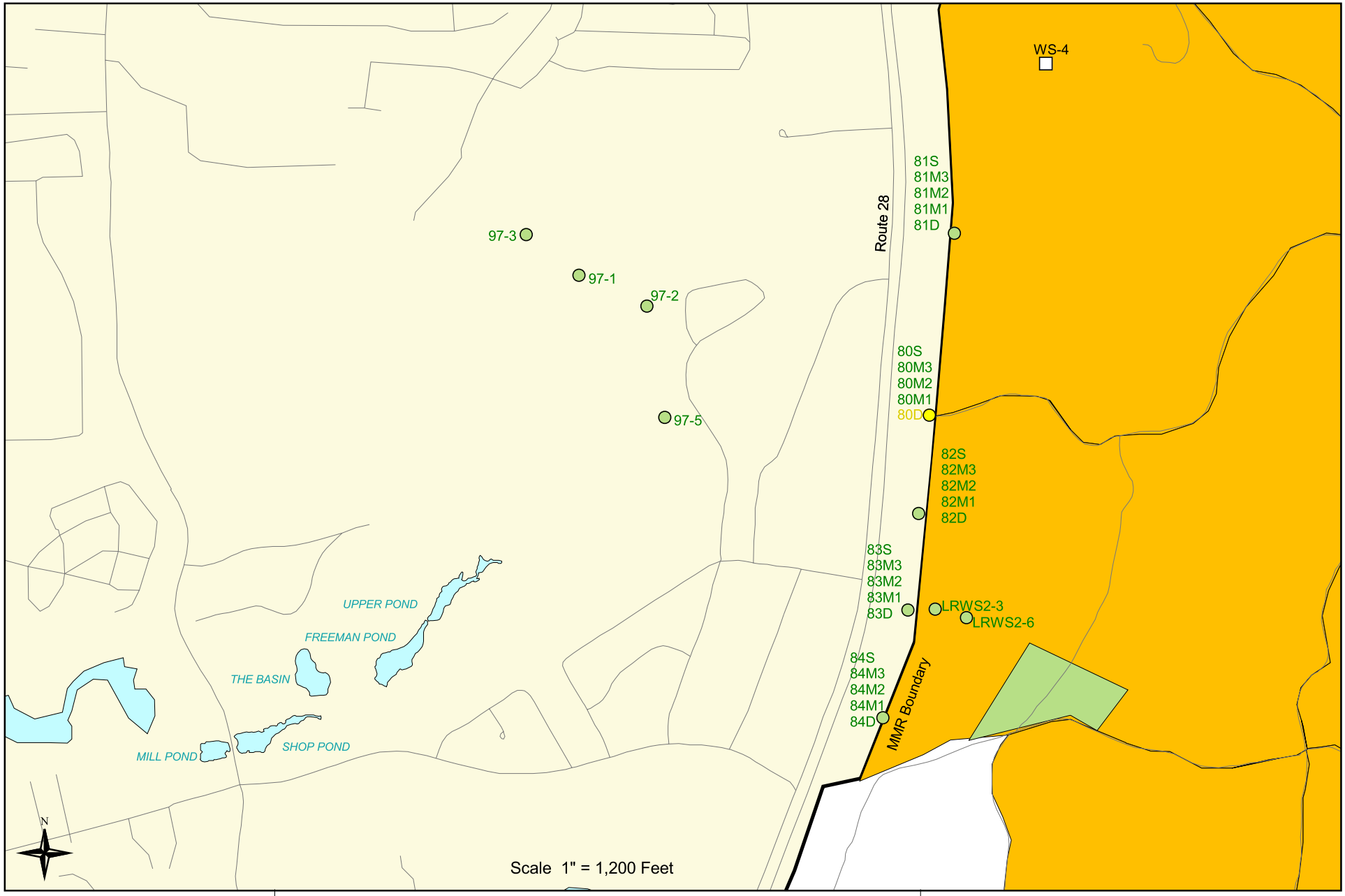
LEGEND

- 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 A

Semi-Volatile Organic Compounds (excluding BEHP) in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 5/24/02



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

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June 4, 2002 DRAFT

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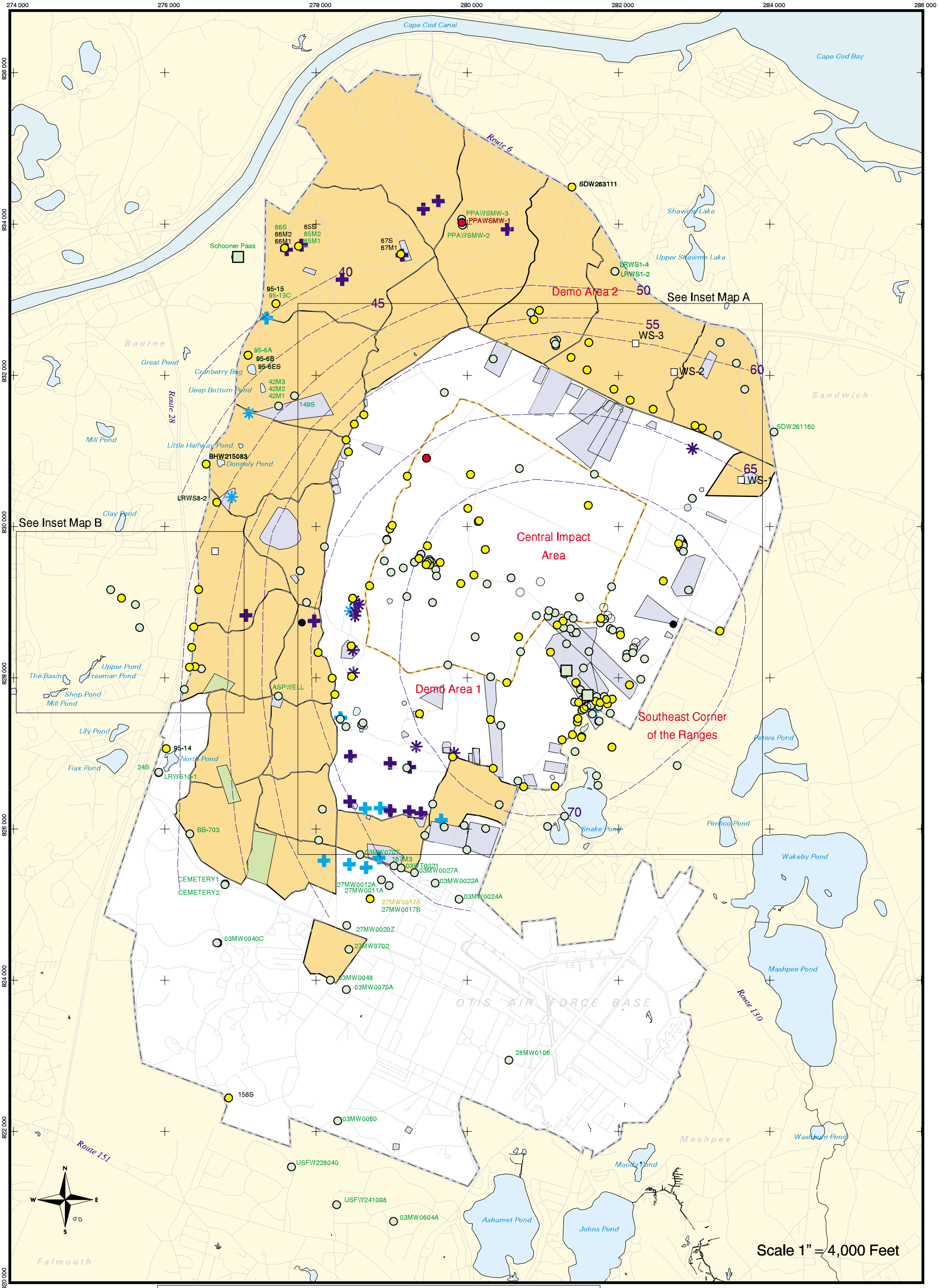
G:\MMR\MMR\ArcVprj\monthly_inset.apr

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

IAGWSP

Figure 5 - INSET MAP B

Semi-Volatile Organic Compounds (excluding BEHP) in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 5/24/02



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
- 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 7

Herbicides and Pesticides in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 5/24/02

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

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

Demo Area 2

Central Impact Area

Demo Area 1

Southeast Corner of the Ranges

45 50 55 60 65 70

Doughnut Pond
Gibbs Pond
Round Swamp
Baileys Pond
Grassy Pond
Ox Pond
Succonsette Pond
Opening Pond
Bypass Bog
J-3 Wetland
Peters Pond
Snake Pond
Weeks Pond
Pimlico 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
Pocasset Forestdale Rd
Raccoon Ln
Arnold Rd
Rt 130
Snake Pond Rd

WS-1 WS-2 WS-3

RW-1 RW-2 RW-3

RANGECON

MW-215 MW-216

SMR-2 SMR-3 SMR-4

J1P-1 J1P-18 J2P-12 J2P-13 J2P-14 J2P-15

TEXTRONPW-1 TEXTRONPW-2

J3P-10

LRMW0003

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

16S 16D 160S 161S

53S 53M3 53M2 53M1 53D

11MW0002 11MW0003 11MW0004 11MW0001

17S 17M3 17M2 17M1 17D

52S 52M3 52M2 52M1 52D

62S

54S 54M3 54M2 54M1 54D

55S 55M3 55M2 55M1 55D

63S 63M3 63M2 63M1 63D

48S 48M3 48M2 48M1 48D

49S 49M3 49M2 49M1 49D

18S 18M2 18M1 18D

10S 10M1 10D

50S 50M3 50M2 50M1 50D

51S 51M3 51M2 51M1 51D

23S 23M3 23M2 23M1 23D

72S

41M3 41M2 41M1

43S 43M2 43M1

03S 03M2 03M1 03D

04S

11S

02S 02M2 02M1 02D

05S 05M2 05M1 05D

59S 59M2 59M1

26S

39S 39M2 39M1

58MW0018A 58MW0018B 58MW0018C

58MW0007C 58MW0007B 58MW0007E

58MW0017A 58MW0017B 58MW0017C

58MW0009C 58MW0009E 58MW0010A 58MW0010B

58MW0008E

58MW0011D 58MW0011E

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

58MW0003

58MW0015A 58MW0015B 58MW0004 58MW0005E

58MW0002 58MW0016A 58MW0016B 58MW0016C

58MW0001 58MW0006E

22S

174S

09S

94S 94M2 94M1

25S

01S 01M2 01M1 01D

37M3 37M2 37M1

40S 40M1

27S

15S 15D

104S 104M2 104M1

08S

44S 44M2 44M1

71S 71M1

70S 70M1

21S 21M3 21M2 21M1 21D

14S

61S

28S 28M2 28M1

60S

19S 19D

20S

36S 36M2 36M1

34M3 34M2 34M1

35S 35M2 35M1

46S 46M3 46M2 46M1 46D

47S 47M3 47M2 47M1 47D

69S 69M2 69M1

64S 64M2 64M1

68S 68M1

109S

150S

151S

03MW0710

03MW0122A

03MW0006

03MW0007A

03MW0014A

03MW0709

03MW0020

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07S 07M2 07M1 07D

152M2 152M1

SNP3-91

SNP4-91

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118M2 118M1 126S 126M1

166M3 166M2 166M1

168M3 168M2 168M1

58S 191S 191M2 191M1

188S 188M1

136S 136M1 189S

190M2 190M1

13S 13D

127S

128S 128M2 128M1

125S 125M1

163S 132S 132M1

196S 196M1 197M3 197M2 197M1 198M3 198M2 198M1

144S 144M2 144M1 143M3 143M2 143M1

90MW0029B 193S 193M1 181S 180S 194M1 195S

90MW0013 90MW0021 90MW0022 90MW0014 90MW0038 90MW0031 90MW0019

90LWA0007 45S 45M2 45M1 146S 146M1

90WT0013 90WT0003 90WT0015 140M1

145S 145M1 148S 148M1 142S 142M2 142M1

147M3 147M2 147M1 153M3 153M2 153M1

131S 131M2 131M1

90WT0005 155M2 155M1 157M2 157M1 157D

90MW0004 90MW0054 90MW0003 90MW0005

90WT0008 90WT0010

ECMWSNP002S ECMWSNP002D ECMWSNP003S ECMWSNP003D

29S 119S 130S 130M1 130D 117S

137S 120S 120M1

116S 121S 122S 154S 154M1 158S 158M2 158M1

12S

192M3 192M2 192M1

170M3 170M2 170M1

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

57S 57M3 57M2 57M1 57D

Scale 1" = 1,200 Feet

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

amec June 03, 2002 DRAFT

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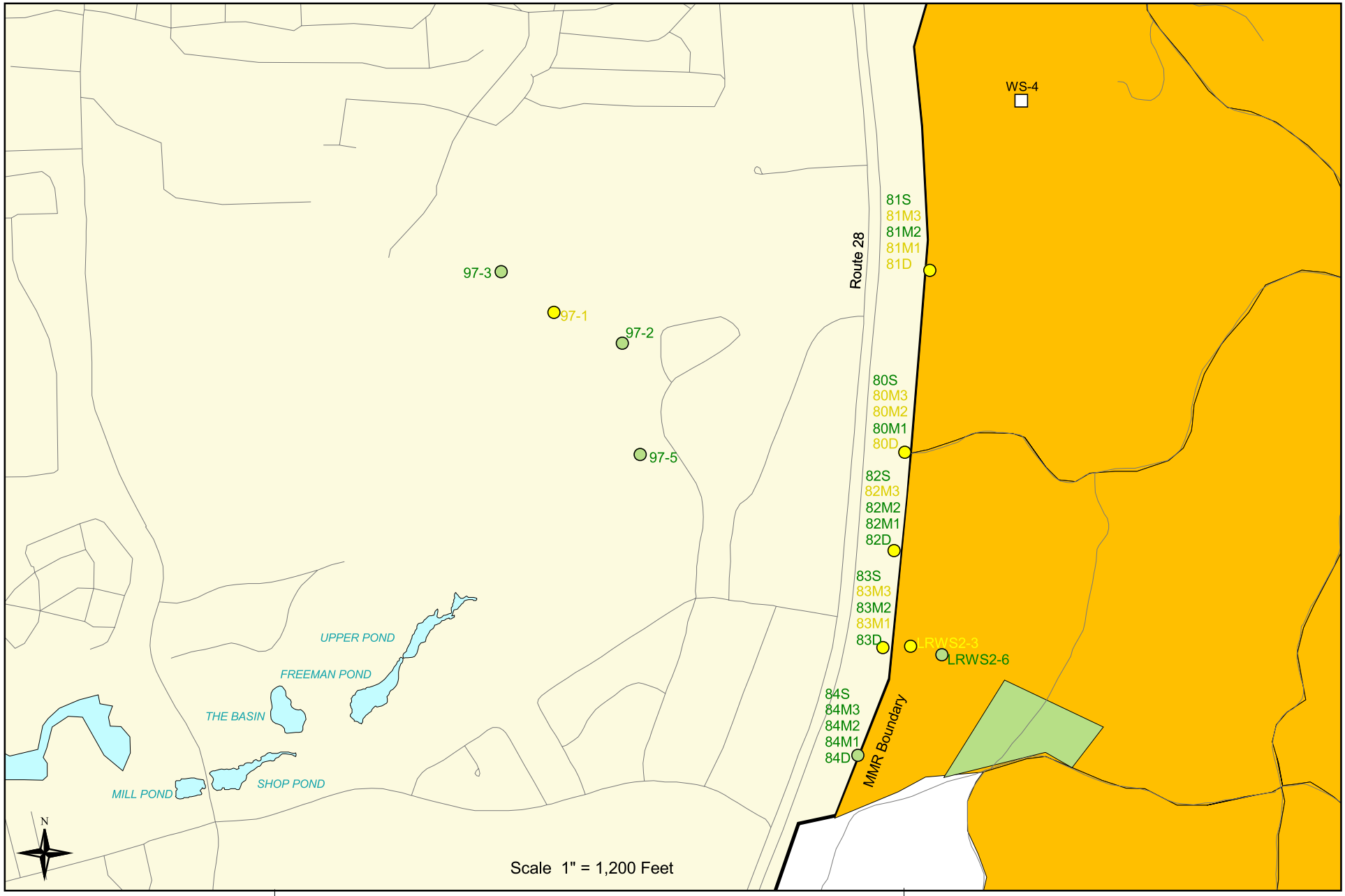
LEGEND

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

IAGWSP Impact Area Groundwater Study Program

Figure 7 - INSET MAP A

Herbicides and Pesticides in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 5/24/02



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

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

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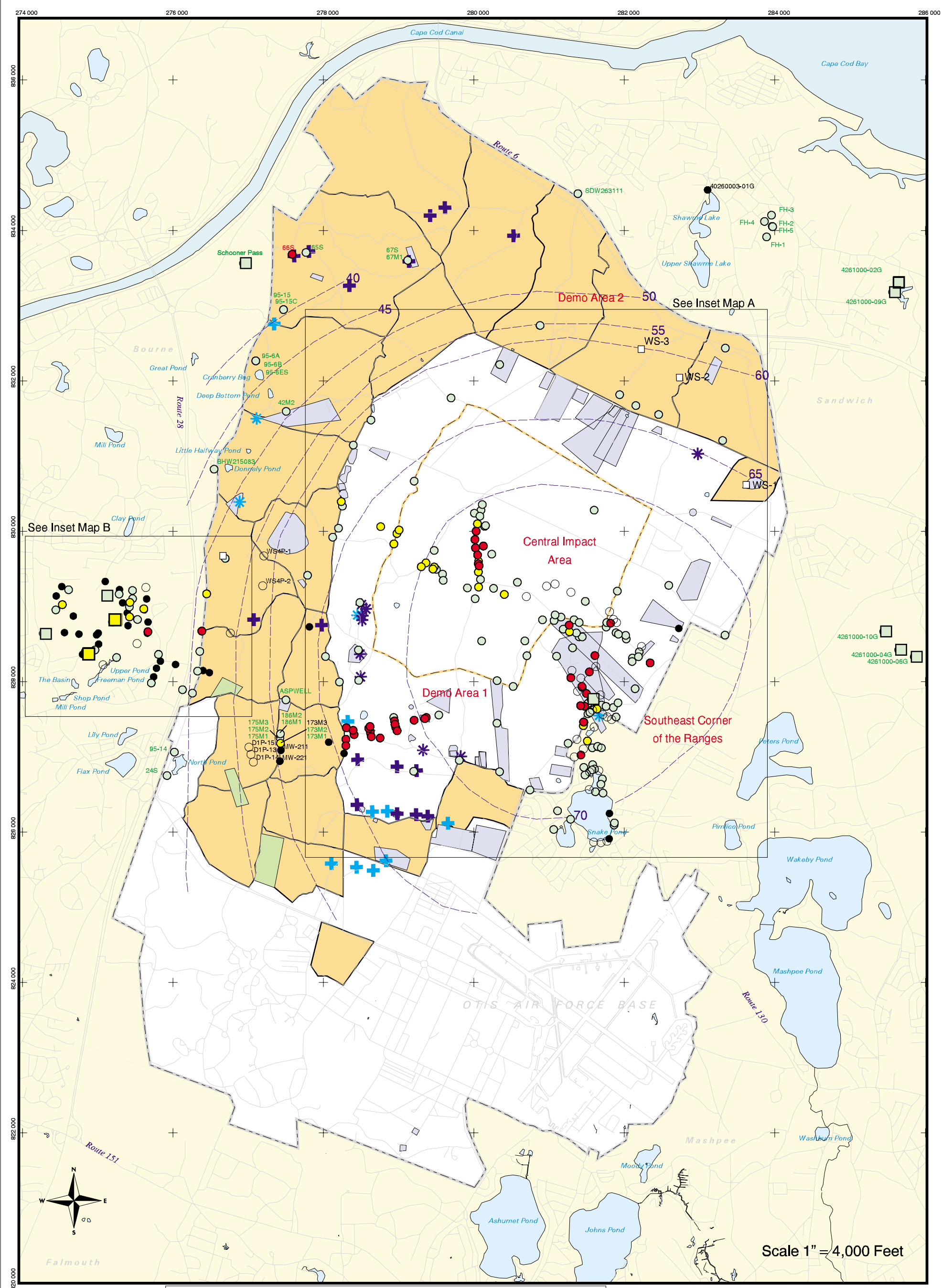
Figure 7 - INSET MAP B

Herbicides and Pesticides in Groundwater Compared to Maximum Contaminant Level/Health Advisories Validated Data as of 5/24/02



LEGEND

- Validated Detection Greater than or Equal to EPA MMR Relevant Standard
- Validated Detection Less than EPA MMR Relevant Standard
- Validated Non-detect
- No Data Available
- Proposed Well
- 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)
- Validated Detection Less than EPA MMR Relevant Standard, Water Supply Well

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

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IAGWSP Impact Area Groundwater Study Program

Figure 8
Perchlorate in Groundwater
Compared to EPA MMR Relevant Standard
Validated Data as of 5/24/02

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

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

Demo Area 2

Central Impact Area

Southeast Corner of the Ranges

Demo Area 1

45 50 55 60 65 70

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

Burgoyne Rd
Gibbs Rd
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

SMR-2 SMR-4

LP-5 LP-6 LP-7 LP-8 LP-10

TEXTRONPW-1

MW-210 MW-214 MW-215 MW-216

16S 62S 10S 10M1 10D 54S 54M3 54M2 54M1 54D 55S 55M3 55M2 55M1 55D 63S 63M3 63M2 63M1 63D LRMW0003 18D 50M1 23M1 43M2 108M4 108M3 108M1 110M2 110M1 135M2 135M1 177M2 177M1 174S 21D 46S 46M3 46M2 46M1 46D 69S 71S 71M1 70S 70M1 39S 39M2 39M1 58MW0018A 58MW0018B 58MW0018C 58MW0007C 58MW0007B 38M4 38M3 38M2 38M1 38D 58MW0009E 58MW0011D 58MW0011E 58MW0002 58MW0001 58MW0006E 58MW0016B 58MW0016C 25S 02S 02M2 02M1 02D 113M2 113M1 112M2 112M1 92M1 98S 98M1 59S 59M2 59M1 26S 99S 99M1 100M2 100M1 101S 101M1 105M2 105M1 93M2 93M1 44S 91S 91M1 OW-6 OW-2 OW-3 OW-1 90S 90M1 01S 01M2 85S 85M1 37M3 40M1 27S 107M2 107M1 115S 115M1 J1P-1 J1P-16 J1P-17 J1P-18 07S 07M2 07M1 07D 152M2 152M1 61S 28S 28M2 28M1 60S 109S 68S 64S 64M2 64M1 73S 19S 31S 31M1 31D 79S 79M2 79M1 74M3 74M2 74M1 75S 75M2 75M1 76S 76M2 76M1 77S 77M2 77M1 78S 78M3 78M2 78M1 34M3 34M2 34M1 36S 36M3 36M2 36M1 139M3 139M2 139M1 33S 33D 165M3 165M2 165M1 172M3 172M2 172M1 35S 35M2 35M1 114M2 114M1 129M3 129M2 129M1 162M3 162M2 162M1 06S 187S 187M1 187D 164M3 164M2 164M1 118M2 118M1 126S 126M1 166M3 166M2 166M1 168M3 168M2 168M1 58S 191S 191M2 191M1 188S 188M1 136S 136M1 189S 190M2 190M1 13S 13D 127S 29S 130S 130M1 130D 119S 117S 137S 120S 120M1 116S 121S 154S 154M1 122S 158S 158M2 158M1 J2P-12 J2P-13 J2P-14 J2P-15 192M3 192M2 192M1 12S 170M3 170M2 170M1 57S 57M3 57M2 57M1 57D 125S 125M1 128S 128M2 128M1 132S 132M1 163S 131S 131M2 131M1 J3P-17 J3P-18 J3P-19 J3P-20 J3P-21 J3P-22 J3P-23 J3P-24 J3P-25 J3P-26 J3P-27 J3P-28 J3P-29 J3P-30 196S 196M1 193S 193M1 147M3 147M2 147M1 153M3 153M2 153M1 197M3 197M2 197M1 198M3 198M2 198M1 194M1 30S 195S 181S 146S 146M1 90WT0013 144S 144M2 144M1 90WT0004 140M1 143M3 143M2 143M1 90MW0022 145S 145M1 148S 148M1 142S 142M2 142M1 155M2 155M1 157M2 157M1 157D 90MW0063 90MW0070 90MW0071 90MW0054 90PZ0211 90MP0059 90MW0101A 90MW0102A 90PZ0204 90PZ0208 90SNP001 169M2 169M1 90SNP002 171M3 171M2 171M1 56S 56M3 56M2 56M1 56D RS0011 SP3-91 SP4-91 90MW0105A,B RS0021 RS0018C 90MW104A

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

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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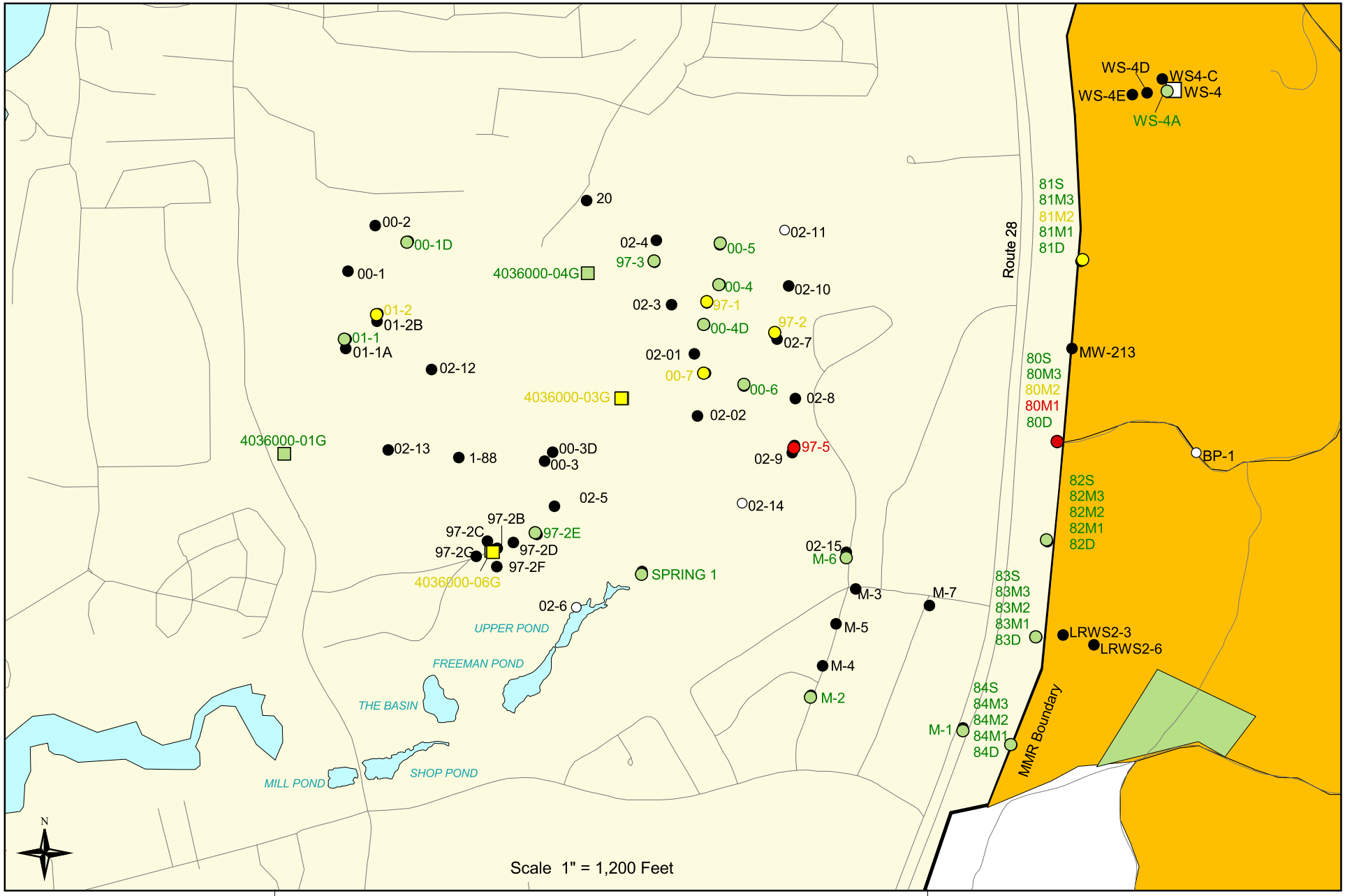
IAGWSP Impact Area Groundwater Study Program

Figure 8 - INSET MAP A
Perchlorate in Groundwater
Compared to EPA MMR Relevant Standard
Validated Data as of 5/24/02



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

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June 4, 2002 DRAFT

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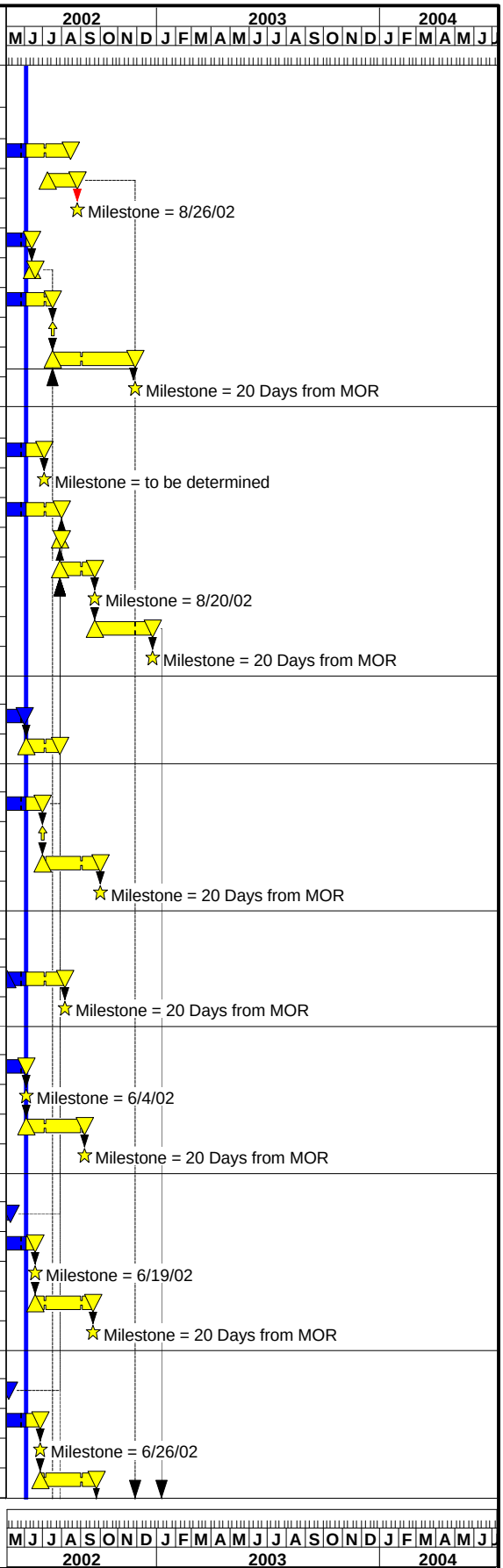
- Validated Detection Greater than or Equal to EPA MMR Relevant Standard
- Validated Detection Less than EPA MMR Relevant Standard
- Validated Non-Detect
- Validated Non-Detect Water Supply Well
- No Data Available
- Future Supply Well
- Proposed Well
- Combat Training Areas
- MilitaryTraining Areas

IAGWSP

Figure 8 - INSET MAP B

Perchlorate in Groundwater
Compared to EPA MMR Relevant Standard
Validated Data as of 5/24/02

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Site Characterization (AO1)					
Demo Area 1					
00190	Additional GW Delineation		51	26NOV01A	13AUG02
00193	Prepare GW Report Addendum		34	10JUL02*	26AUG02
00194	Draft GW Report Addendum	YES	0		26AUG02
00169	Guard Prepare/Submit MORs 01-10		8	01MAR02A	12JUN02
00171	Agencies Approve MORs 01-10		5	13JUN02	19JUN02
00176	Agencies Comment on Env Risk Report		30	08APR02A	15JUL02
00177	Agencies Approve MOR Env Risk Rep		0		15JUL02
00172	Guard Prepare Final Soil Report		96	16JUL02	27NOV02
00159	Demo 1 Final Soil Report	YES	0		27NOV02
Central Impact Area					
00285	Install 17 Additional Well Nests		21	13DEC01A	01JUL02
00287	Complete 17 Additional Well Nests	YES	0		01JUL02
00290	Revise Draft Soil Report		42	17JUL01A	31JUL02
00260	Coordination Meeting CIA Soil Report		1	30JUL02	30JUL02
00261	Final Revisions CIA Soil Report		40	30JUL02	24SEP02
00262	Submit Draft Final CIA Soil Report	YES	0		24SEP02
00263	Revise Draft Final CIA Soil Report		65	25SEP02	26DEC02
00292	Final Soil Report	YES	0		26DEC02
Impact Area Targets (Phase 2)					
01850	Targets Investigation (Phase 2)		0	25FEB02A	31MAY02A
01860	Lab Analysis/Data Validation		40	03JUN02	29JUL02
High Use Target Area 1					
01190	HUTA Revise Draft Report		20	01NOV01A	28JUN02
01191	Submit Revised Draft Final Report		0		28JUN02
01192	Revise Revised Draft Final Report		65	01JUL02	01OCT02
01195	HUTA Final Report	YES	0		01OCT02
High Use Target Area 2					
Site #1					
01908	Revise Draft Report		45	03MAY02A	05AUG02
01909	Submit Final Report	YES	0		05AUG02
Site #2					
01915	Prepare Report		2	14FEB02A	04JUN02
01917	Submit Draft Report (w/ analytical)	YES	0		04JUN02
01918	Revise Draft Report		65	05JUN02	05SEP02
01919	Submit Final Report	YES	0		05SEP02
Site #3					
01924	Lab Analysis/Data Validation		0	15MAR02A	09MAY02A
01925	Prepare Report		13	15MAR02A	19JUN02
01927	Submit Draft Report (w/ analytical)	YES	0		19JUN02
01928	Revise Draft Report		65	20JUN02	20SEP02
01929	Submit Final Report	YES	0		20SEP02
Site #4					
01934	Lab Analysis/Data Validation		0	12MAR02A	06MAY02A
01935	Prepare Report		18	12MAR02A	26JUN02
01937	Submit Draft Report (w/ analytical)	YES	0		26JUN02
01938	Revise Draft Report		65	27JUN02	27SEP02



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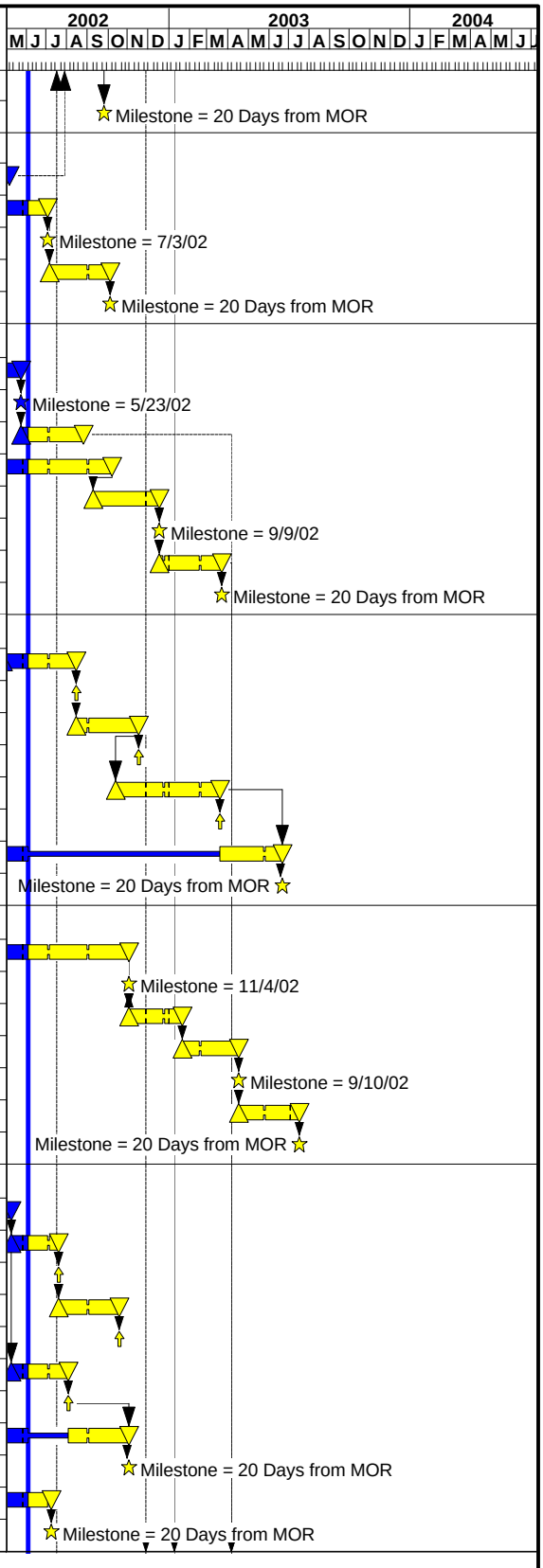
Site #4					
01939	Submit Final Report	YES	0		27SEP02
Site #5					
01944	Lab Analysis/Data Validation		0	12MAR02A	06MAY02A
01945	Prepare Report		23	12MAR02A	03JUL02
01947	Submit Draft Report (w/ analytical)	YES	0		03JUL02
01948	Revise Draft Report		65	05JUL02	04OCT02
01949	Submit Final Report	YES	0		04OCT02
J-1/J-3 Range					
00495	Additional Delineation Report Prep.		0	12NOV01A	23MAY02A
00496	Additional Delineation Draft Report	YES	0		23MAY02A
00497	Additional Delineation Rev. Draft Report		60	24MAY02A	26AUG02
00485	Additional Delineation Investigation		89	27MAR02A	07OCT02
00486	J1/J3/L Range Draft Final Rep. Prep.		70	10SEP02	17DEC02
00487	J1/J3/L Range Draft Final Report	YES	0		17DEC02
00488	Revise J1/J3/L Range Draft Final Rep.		65	18DEC02	21MAR03
00489	J1/J3/L Range Final Report	YES	0		21MAR03
Gun/Mortar Positions					
00570	Additional Characterization G/M		53	22APR02A	15AUG02
00575	Submit Final COCs/Draft ADWP		0		15AUG02
00577	Revise G/M Draft ADWP		65	16AUG02	15NOV02
00578	Submit G/M Final ADWP		0		15NOV02
00580	Additional Delineation G/M Positions		110	14OCT02	20MAR03
00585	Submit Draft Final G/M Report		0		20MAR03
00549	Gun/Mortar Rev. Draft Final		65	01AUG01A	20JUN03
00550	Gun/Mortar Final Report	YES	0		20JUN03
Training Areas					
00860	Training Areas Background		108	20MAR00A	01NOV02
00862	Start Training Areas Fieldwork	YES	0	04NOV02	
00864	Training Areas Fieldwork		54	04NOV02	21JAN03
00870	Training Areas Report Preparation		60	22JAN03	16APR03
00880	Submit Training Areas Draft Report	YES	0		16APR03
00890	Training Areas Rev. Draft Report		65	17APR03	18JUL03
00895	Training Areas Final Report	YES	0		18JUL03
Phase II(b)					
01551	Supplemental Phase 2b Investgtns		0	13MAR02A	08MAY02A
01552	Prepare Draft SAR Report		33	09MAY02A	18JUL02
01553	Submit Draft SAR Report		0		18JUL02
01554	Revise Draft SAR Report		65	19JUL02	18OCT02
01555	Submit SAR Final Report		0		18OCT02
01558	Prepare Draft Final 2b Report		43	09MAY02A	01AUG02
01559	Submit Draft Final 2b Report		0		01AUG02
01560	Revise Draft Final 2b Report		65	20AUG01A	01NOV02
01570	Phase II(b) Final Report	YES	0		01NOV02
01576	Revise Draft Report		25	24JAN02A	08JUL02
01578	Former A/K/Demo 2 Final Report	YES	0		08JUL02



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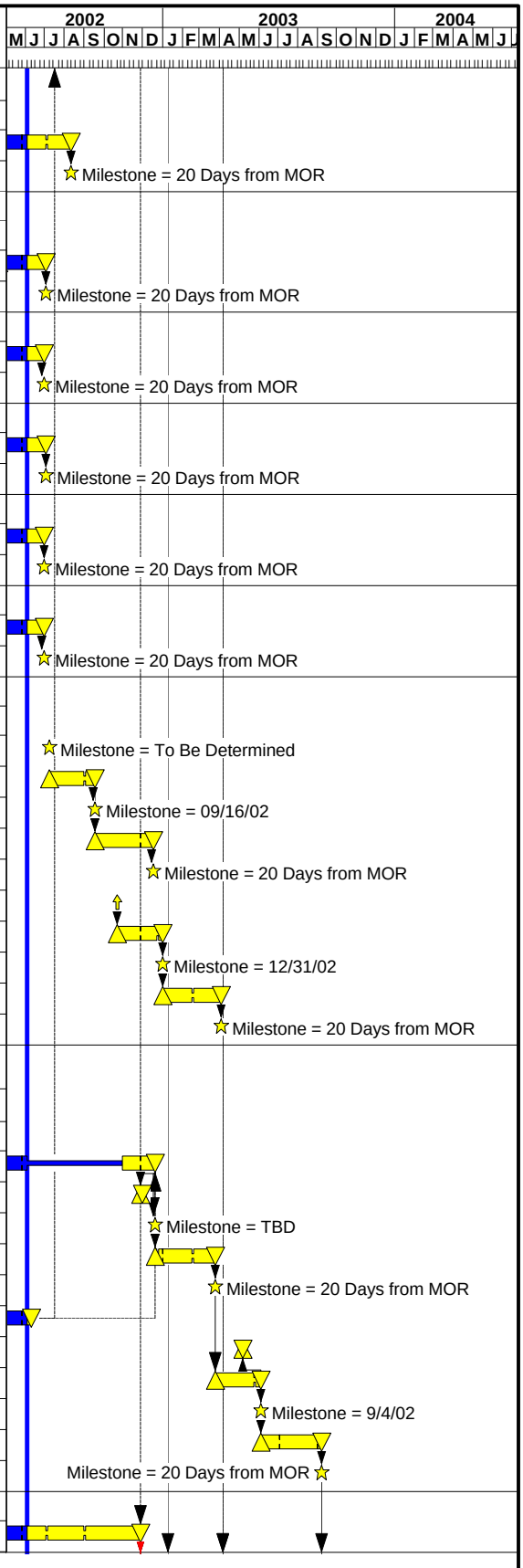
Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Munition Survey Project					
MSP Phase I					
01625	Revise Revised MSP Phase I Draft		50	04SEP01A	12AUG02
01630	Submit MSP Phase I Final Report	YES	0		12AUG02
MSP Phase II					
Demo 1 Validation					
01712	Approve MOR & Finalize		23	16APR02A	03JUL02
01719	Submit Final Report	YES	0		03JUL02
Slit Trench Validation					
01728	Revise Draft Report		20	07NOV01A	28JUN02
01729	Submit Final Report	YES	0		28JUN02
ASP Geophysics					
01742	Approve MOR & Finalize		23	15APR02A	03JUL02
01749	Submit Final Report	YES	0		03JUL02
Former K Range					
01752	Approve MOR & Finalize		20	08APR02A	28JUN02
01759	Submit Final Report	YES	0		28JUN02
Former A Range					
01762	Approve MOR & Finalize		20	11APR02A	28JUN02
01769	Submit Final Report	YES	0		28JUN02
MSP Phase III					
CIA MSP Sites #1 and #2					
01794	Complete Fieldwork	YES	0		08JUL02
01795	Prepare Eastern Test Site Report		49	09JUL02	16SEP02
01797	Eastern Test Site Draft Report	YES	0		16SEP02
01798	Revise Eastern Test Site Draft Report		65	17SEP02	17DEC02
01799	Submit Eastern Test Site Final Report	YES	0		17DEC02
01802	SCAR Site Complete Fieldwork		0		21OCT02
01803	Prepare SCAR Site Report		49	22OCT02	31DEC02
01804	SCAR Site Draft Report	YES	0		31DEC02
01805	Revise SCAR Site Draft Report		65	02JAN03	03APR03
01806	Submit SCAR Site Final Report	YES	0		03APR03
Feasibility Studies (AO3)					
Demo Area 1					
Soil Operable Unit					
21190	Revise Draft FS Screening Report		35	22JUN01A	19DEC02
21191	Coordination Meeting		1	29NOV02	29NOV02
21193	Submit Draft Final Demo 1 FSSR	YES	0		19DEC02
21194	Revise Draft Final Demo 1 FSSR		65	20DEC02	25MAR03
21200	Final FS Screening Report	YES	0		25MAR03
21260	Post-Screening Investigation		6	18MAR02A	10JUN02
21270	FS Scoping Meeting		1	07MAY03	07MAY03
21310	FS Preparation		50	26MAR03	04JUN03
21320	Draft FS	YES	0		04JUN03
21330	Revise Draft FS		65	05JUN03	05SEP03
21340	Final FS	YES	0		05SEP03
Groundwater Operable Unit					
21670	Revise Draft FS		126	02OCT01A	27NOV02



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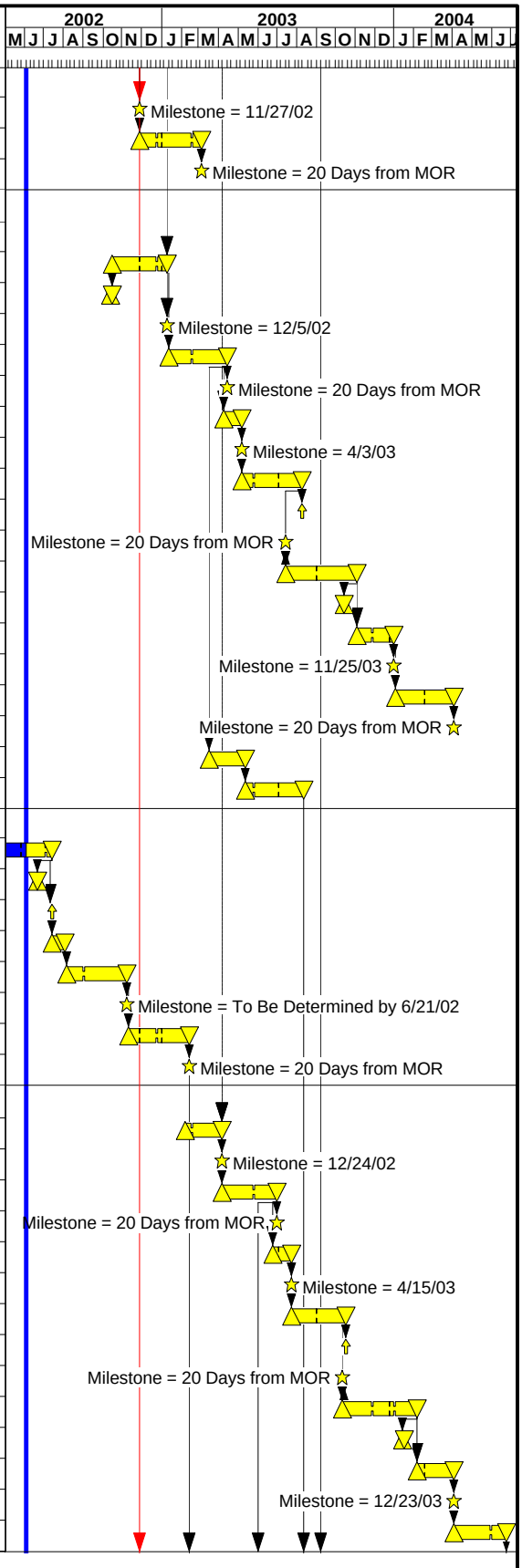
Groundwater Operable Unit					
21675	Draft Final FS	YES	0		27NOV02
21678	Revise Draft Final FS		65	29NOV02	04MAR03
21680	Final FS	YES	0		04MAR03
Central Impact Area					
Soil Operable Unit					
22110	FS Screening Report Preparation		60	16OCT02	10JAN03
22112	Scoping Meeting for FSSR		1	15OCT02	15OCT02
22120	Draft FS Screening Report	YES	0		10JAN03
22130	Revise Draft FS Screening Report		65	13JAN03	14APR03
22140	Final FS Screening Report	YES	0		14APR03
22150	Post-Screening Invest. Workplan Prep.		22	08APR03	07MAY03
22160	Draft Post-Screening Invest. Workplan	YES	0		07MAY03
22170	Revise Draft PSI Workplan		65	08MAY03	08AUG03
22180	Final Post-Screening Workplan		0		08AUG03
22190	Start Post-Screening Investigation	YES	0	14JUL03	
22200	Post-Screening Investigation		80	14JUL03	03NOV03
22202	FS Scoping Meeting		1	14OCT03	14OCT03
22210	FS Preparation		40	04NOV03	31DEC03
22220	Draft FS	YES	0		31DEC03
22230	Revise Draft FS		65	02JAN04	02APR04
22240	Final FS	YES	0		02APR04
22250	(Draft FS if no PSI)		40	18MAR03	12MAY03
22260	(Final FS if no PSI)		65	13MAY03	13AUG03
Groundwater Operable Unit					
22390	Post-Screening Investigation		29	21SEP01A	12JUL02
22391	FS Scoping Meeting		1	21JUN02	21JUN02
22392	Draft Pump Test Report		0		12JUL02
22394	Review/Approve Pump Test Report		15	15JUL02	02AUG02
22400	FS Preparation		69	05AUG02	08NOV02
22410	Draft FS	YES	0		08NOV02
22420	Revise Draft FS		65	11NOV02	12FEB03
22430	Final FS	YES	0		12FEB03
SE Corner of Ranges					
23110	FS Screening Report Preparation		40	07FEB03	04APR03
23120	Draft FS Screening Report	YES	0		04APR03
23130	Revise Draft FS Screening Report		60	07APR03	30JUN03
23140	Final FS Screening Report	YES	0		30JUN03
23150	Post-Screening Invest. Workplan Prep.		22	24JUN03	24JUL03
23160	Draft Post-Screening Invest. Workplan	YES	0		24JUL03
23170	Revise Draft PSI Workplan		60	25JUL03	17OCT03
23180	Final Post-Screening Workplan		0		17OCT03
23190	Start Post-Screening Investigation	YES	0	13OCT03	
23200	Post-Screening Investigation		80	13OCT03	04FEB04
23202	FS Scoping Meeting		1	15JAN04	15JAN04
23210	FS Preparation		40	05FEB04	01APR04
23220	Draft FS	YES	0		01APR04
23230	Revise Draft FS		60	02APR04	25JUN04



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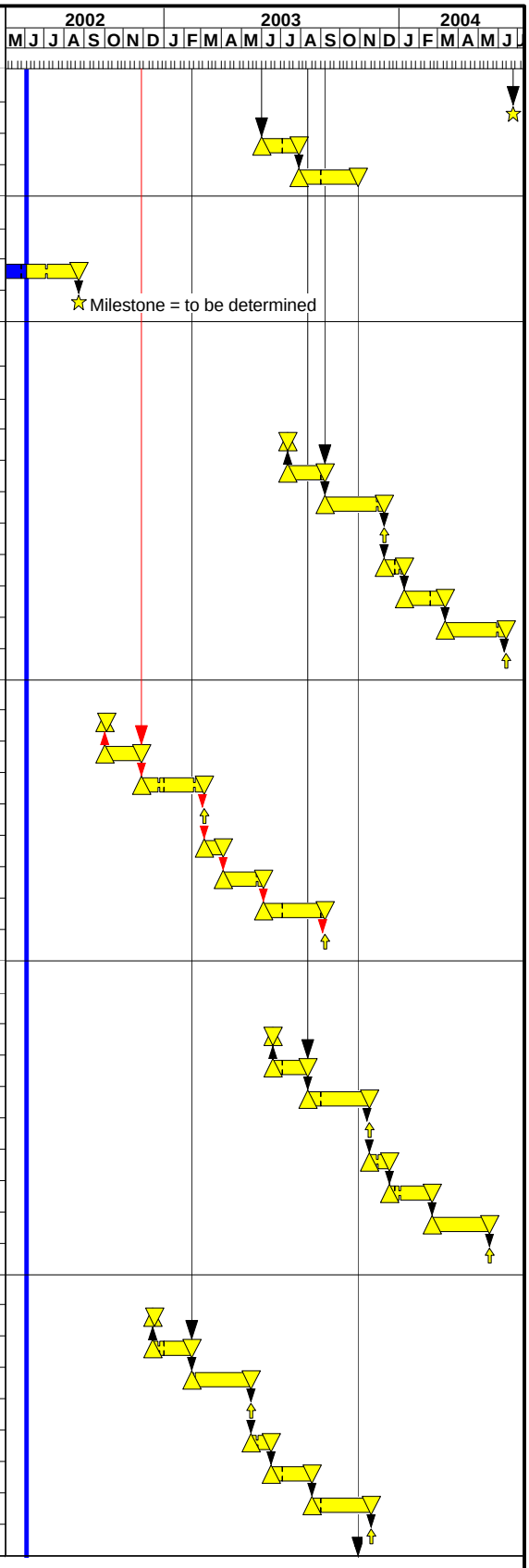
SE Corner of Ranges					
23240	Final FS	YES	0		25JUN04
23250	(Draft FS if no PSI)		40	03JUN03	29JUL03
23260	(Final FS if no PSI)		65	30JUL03	29OCT03
UXO					
UXO Operable Unit					
24130	Revise Draft FS Screening Report		58	21MAR01A	22AUG02
24140	Final FS Screening Report	YES	0		22AUG02
Remedy Selection (AO3)					
Demo Area 1					
Soil Operable Unit					
31105	Soil RS Plan Scoping Meeting		1	11JUL03	11JUL03
31110	Prepare Draft Remedy Selection Plan		40	11JUL03	05SEP03
31120	Revise Draft Remedy Selection Plan		65	08SEP03	08DEC03
31130	Remedy Selection Plan		0		08DEC03
31140	Public Comment Period		21	09DEC03	08JAN04
31150	Draft Decision Doc/ Response		44	09JAN04	11MAR04
31160	Revise Draft DD/RS		65	12MAR04	11JUN04
31170	Final Decision Doc/ Response		0		11JUN04
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	18JUN03	18JUN03
32110	Prepare Draft Remedy Selection Plan		40	18JUN03	13AUG03
32120	Revise Draft Remedy Selection Plan		65	14AUG03	13NOV03
32130	Remedy Selection Plan		0		13NOV03
32140	Public Comment Period		21	14NOV03	15DEC03
32150	Draft Decision Doc/ Response		44	16DEC03	18FEB04
32160	Revise Draft DD/RS		65	19FEB04	19MAY04
32170	Final Decision Doc/ Response		0		19MAY04
Groundwater Operable Unit					
32505	GW RS Plan Scoping Meeting		1	17DEC02	17DEC02
32510	Prepare Draft Remedy Selection Plan		40	17DEC02	12FEB03
32520	Revise Draft Remedy Selection Plan		65	13FEB03	15MAY03
32530	Remedy Selection Plan		0		15MAY03
32540	Public Comment Period		21	16MAY03	16JUN03
32550	Draft Decision Doc/ Response		44	17JUN03	18AUG03
32560	Revise Draft DD/RS		65	19AUG03	18NOV03
32570	Final Decision Doc/ Response		0		18NOV03



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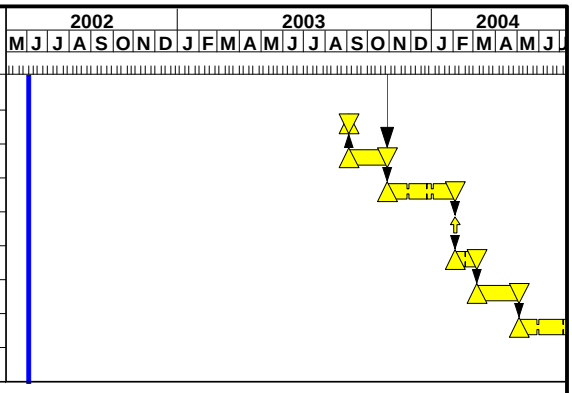
Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
SE Corner of Ranges (if no PSI)					
33105	RS Plan Scoping Meeting		1	04SEP03	04SEP03
33110	Prepare Draft Remedy Selection Plan		40	04SEP03	29OCT03
33120	Revise Draft Remedy Selection Plan		65	30OCT03	02FEB04
33130	Remedy Selection Plan		0		02FEB04
33140	Public Comment Period		21	03FEB04	03MAR04
33150	Draft Decision Doc/ Response		44	04MAR04	04MAY04
33160	Revise Draft DD/RS		65	05MAY04	05AUG04
33170	Final Decision Doc/ Response		0		05AUG04



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