MONTHLY PROGRESS REPORT #54
FOR SEPTEMBER 2001

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

The following summary of progress is for the period from September 1 to September 30, 2001. Scheduled actions are for the six-week period ending November 14, 2001.

1. SUMMARY OF ACTIONS TAKEN

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

Table 1. Drilling progress for September 2001

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-177	Central Impact Area Well (CIAP-7)	390	203	278-288
MW-177	Central Impact Area Well (CIAP-7) redrill	300	112	
MW-178	Central Impact Area Well (CIAP-3)	335	195	167-177, 257-267
MW-179	Central Impact Area Well (CIAP-1)	338	198	187-197, 329-339
MW-180	Central Impact Area Well (CIAP-6)	355	199	171-181, 195-205, 300-310
MW-182	Central Impact Area Well (CIAP-9)	370	200	
MW-183	Central Impact Area Well (CIAP-4)	335	154	
MW-184	Central Impact Area Well (P-30)	350	225	

bgs = below ground surface
bwt = below water table

Completed drilling and well installation of MW-177(CIAP-7), MW-178 (CIAP-3), MW-179 (CIAP-1) and MW-180 (CIAP-6). Completed drilling of MW-182 (CIAP-9) and MW-184 (P-30). Completed redrilling of MW-177 (CIAP-7) because of interference compounds detected in the original profile sample results. Commenced drilling of MW-183 (CIAP-4). Well development was continued for newly installed wells.

Samples collected during the reporting period are summarized in Table 2. Groundwater profile samples were collected from MW-177 (CIAP-7), MW-179 (CIAP-1), MW-180 (CIAP-6), MW-182 (CIAP-9), MW-183 (CIAP-4), and MW-184 (P-30). Groundwater samples were collected as part of the August Long Term Groundwater Monitoring round. These included groundwater samples collected from a residential well on Old Snake Pond Road, from wells at Snake Pond and from water supply wells at the Ammunition Supply Point, the National Cemetery, and Range Control. Surface water samples were collected at Snake Pond Public Beach and Camp Good News Beach. Water samples were collected from the influent and effluent of the FS-12 Treatment System and the GAC treatment unit. Surface soil samples were collected at well locations MW-

179 (CIAP-1) and MW-184 (P-30). Soil samples were collected from grids on J-1 Range. Post-detonation soil samples were also collected at crater grids at the Central Impact Area pump test well area and supplemental crater grids at the J-1 and J-3 Ranges.

As part of the Munitions Survey Project, a wipe and soil brushing sample was collected from UXO at Former A Range. Post-detonation samples were collected from crater grids at the Ammunition Supply Point, Former A Range and Mortar Target 9.

The Guard, EPA, and MADEP had a meeting on September 6 to discuss technical issues, including the following:

Field Data

- Marc Grant (AMEC) distributed analytical results of a grab water sample from the B-29 borehole drilled at the former J-3 Range Melt/Pour wastewater holding tank area. Monitor well MW-181 was installed at this location to monitor HMX, TNT, 2A-DNT, and 4A-DNT detections.
- Mr. Grant also proposed discontinuing soil sampling of the Central Impact Area well boreholes. In the past, sampling followed a "Phase I" protocol. For this protocol samples were collected at 0-6 inches, 18-24 inches, 10-12 feet and every 10 feet to the water table. The surface samples and 10-12 ft sample were analyzed for the full suite of analytes. Samples at other depths were analyzed for explosives and metals. But only for explosives below 20 feet if explosives are detected at 10 and 20 feet. To date, explosives have not been detected in samples below 2 feet in the boreholes. None of the other analytes have been identified as Contaminants of Concern. In addition, the wells were not proposed in suspected source areas but in fringe and downgradient areas. An answer on this proposal was needed to address sampling at C1AP-1, P-30, CIAP-2 (to be started shortly) and the next 13 Central Impact Area wells.
- Todd Borci/Mike Jasinski (EPA) requested that this proposal be made via email for EPA to consider. However, it was likely that at least a 0-6 inch sample would be required at each drilling location within the Central Impact Area. EPA to respond to email by Friday.

Munitions Survey Project

Larry Hudgins (Tetra Tech) provided an update on the Munitions Survey Project.

- Project work at Demo Area 1, the Slit Trench, and J-1 Tank pull has been completed.
- Geophysics of the four ASP areas was also completed. At the west edge of Area A, approximately 300 jet engine igniters with smokeless powder grain were found buried. Because of this discovery, and other anomalies detected in the area between Areas A and B, a geophysical survey into the area between A and B was added. This includes the area where goats (used to "mow" grass at the ASP) have been buried. Todd Borci (EPA) expressed EPAs approval that the Guard had added the extra area to the scope of the investigation without the EPA having to request the addition.
- A 105mm shell casing with igniter expended was removed from an anomaly in ASP Area C. Nick Iaiennaro (ACE) had removed similar shell casings from the surface prior to the survey. Todd Borci (EPA) asked how many shell casings had been removed by Mr. Iaiennaro and whether these were similar to casings found in the Slit Trench, whether they had been demilitarized in the same way.
- EM61 Survey was completed at Mortar Target 9 for the site restoration work. Five BIPs were scheduled for tomorrow 9/7.
- Succonsett Pond geophysical work was completed; anomaly maps would likely be completed by the 9/13 Tech meeting.

- K Range geophysical survey would commence Monday 9/10.
- At Former A Range, 18 BIPs of 37mm and 40mm rounds were scheduled for tomorrow, 9/7. One round with a sheered fuze would be moved to the ASP.
- Jane Dolan (EPA) requested one hard copy of the revised Munitions Survey Report, in addition to the electronic copies. DEP said they preferred the electronic copies.
- Mike Jasinski (EPA) asked how and when were the various parts of the Munitions Survey Report going to be pulled together, including the Central Impact Area AirMag data. Ellen Iorio (ACE) indicated that a revised schedule would be provided on 9/20.

Soil Sampling for Background

- Marc Grant (AMEC) indicated that the Guard was seeking approval of the general sampling locations for collecting background soil data. Following approval, AMEC will stake the sampling locations and show the agencies the staked locations prior to initiating sampling.
- Todd Borci (EPA) questioned if there were any non-impacted areas within the Crane Wildlife Area. Mr. Grant indicated that it was thought that the historic cleared areas could be identified and it would be possible to distinguish non-impacted areas. Clearings (primarily for the airport) had been created with chemicals and brush cutting. Mr. Borci requested that the sampling grids be located on a map so that they could be reviewed against historical aerial photographs.
- Mr. Borci also felt that Deer Horn Hill, at the corner of MMR, was not an appropriate location. Only off-base locations should be used, since it was difficult to tell what had been done at the base.
- Mr. Grant indicated that the other background soil issue related to the Herbicide MCPA. AMEC felt that false positives were being reported for MCPA using method 8151. AMEC proposed to resample a specific location and analyze for this constituent using a GC/MS method and the 8151 method. Mr. Borci indicated that this was acceptable to EPA.
- Mr. Grant wanted to further discuss background concentrations for MCPP/MCPA and dieldrin. Mr. Borci indicated that EPA would not accept anything except non-detect as a background concentration for these pesticides/herbicides because non-detects were seen in soil samples collected from the base. Mr. Grant indicated that the scientific data supported that there were background concentrations for these compounds. Mr. Borci reiterated that background concentrations for these compounds would not be accepted by the agencies.

Document and Schedule

Marc Grant (AMEC) discussed the schedules for various investigations and documents.

- As part of the Demo 1 Soil Report MOR - Attachment 1 (schedule) is outstanding. Mike Jasinski (EPA) thought this was resolved since it had been agreed that Demo 1 final Draft would be due 11/2 to allow for the incorporation of the soil borings recently drilled and Tetra Tech data from the bottom survey. Todd Borci (EPA) would prefer to deal with this issue by approving the revised combined schedule.
- Second issue to resolve is the Central Impact Area Schedule. Mr. Borci agreed that the Guard and EPA are still at least 6 months apart, but the revised draft soil report will not be due “soon”. For the combined schedule, TBD should be entered for the Central Impact Area dates in question, until differences can be resolved (perhaps as part of the HUTA2 discussion next week).
- Mike Jasinski (EPA) indicated that the Central Impact Area Groundwater FSSR Report was conditionally approved yesterday, 9/5 and should have been emailed.
- Mr. Borci indicated if they could get the combined schedule by Tuesday 9/11, then it could be approved by Thursday 9/13 - in time to supercede the next upcoming deliverable milestone of 9/18.

- Training Areas FSP agency comments are needed by 1/18/02.
- Jane Dolan (EPA) requested an additional copy of the J-1, J-3, L Ranges Report Volume 2 and a second copy for TRC. Dave Williams (MDPH) also requested a copy of Volume 2. Volume 2 contains data tables. Len Pinaud (MADEP) asked if they could get copies electronically, only. Electronic, read only, copies instead of hard copies were preferred by MADEP for all reports.

Other Items

- Mike Jasinski (EPA) asked if there was an ecological map that shows the sensitive areas on base, not the poster-sized map that Mike Ciaranca (MAARNG) has, something more detailed. Such a map could be used in the scoping process for wells. Karen Wilson (IAGWSPO) indicated that they could work on putting something together.
- Todd Borci (EPA) relayed that he had a discussion with Hanni Dinkeloo (NESHP) regarding CIAP-8 and agreed to hold off on installation of this well. However, this well was still considered important. Location CIAP-13, SE corner of Tank Alley and Turpentine Road intersection, would have the same issue. Bill Gallagher (IAGWSPO) indicated that there also might be issues with CIAP-11 and CIAP-12. Although the Guard was proceeding with RACs for both wells, they were "holding out hope" that one location would suffice in this area. John Rice (AMEC) indicated that RACs for J- Range wells would be initiated in a week or two, following resolution of the RACs for the Central Impact Area wells which have been designated as the highest priority.
- Mr. Jasinski asked why B-27 at Demo 1 was redrilled. Marc Grant (AMEC) indicated that a water pipe broke at the laboratory, compromising some samples including the ones from this soil boring. Therefore, the samples were recollected at the laboratory's expense.
- Mr. Borci inquired about the Burn Pit data. Ellen Iorio (EPA) indicated that the data was being validated, but the letter report would be available at the end of the week. Army Corps to provide unvalidated data and letter report at end of week 9/7.
- Mr. Jasinski (EPA) requested a PLM update. Were the finger print results available, EPH data? AMEC to provide update tomorrow 9/7 by email.
- Todd Borci (EPA) asked about the sampling plan for the BA-1 area. Ben Gregson (IAGWSPO) had agreed to do sampling in the vicinity of the anomaly that Tetra Tech had unearthed near the BOMARC site on Turpentine Road near Herbert Road. Excavation of the anomaly had revealed instrumentation with Raytheon imprinted on it, magnets, and glass shards. Nick Iaiennaro (ACE) completed a gross radiological survey of the area and did not have any detections above background. Bill Gallagher (IAGWSPO) to speak to Ben Gregson (IAGWSPO) about the workplan on Monday 9/10.
- Jane Dolan (EPA) inquired about the Radiological Protocol. Gina Tyo (ACE) indicated that she would put that on the punch list.

The Guard, EPA, and MADEP planned a meeting on September 13 to discuss technical issues. This meeting was canceled.

The Guard, EPA, and MADEP had a meeting on September 20 to discuss technical issues, including the following:

MSP Status

Ellen Iorio (ACE) provided an overview of the MSP status.

- HUTA1 is awaiting backfilling. The ACE is working with Karen Wilson (IAGWSPO) on the site restoration plan, which will be prepared in the next couple weeks. Decisions need to be made concerning the topsoil, whether it will be used elsewhere. The restoration probably

won't be completed this year as part of the area will be used for the Central Impact Area pump test and will likely miss planting season. The area will likely be flattened out.

- The Demo 1 survey is completed, awaiting data validation. The Army Corps is attempting to expedite the validation process. The Slit trench and J-1 Vehicle pull have been completed. Survey of the 5th area at the ASP is continuing today. Approximately 1/3 of the area has been grubbed. An extension for completing the ASP Survey will be requested based on delays due to the base closure to contractors and addition of the 5th area outside the original scope. Digital maps for the Succonsette Pond are being processed. Area F at Former K Range is being worked on. UXO clearance at Former A Range continues where there is a huge amount of surface debris and ordnance items. Shipments of explosives for BIPs have been delayed, 1 BIP is pending. Two of four areas at Former A Range have been almost completed. The Guard will request an extension for this survey also.
- Karen Wilson (IAGWSPO) reported that verbal approval had been received from Hanni Dinkeloo (NHESP) regarding the Mortar Target 9 restoration; this work is scheduled to start next week.
- Mike Jasinski (EPA) requested a schedule to tie the MSP I work together; how and when MSP Phase I will come together. Ellen Iorio (ACE) to email schedule.
- Jane Dolan (EPA) requested hard copies of figures.
- Len Pinaud (MADEP) inquired about what should be forwarded to the IART team. CPT Meyer (IAGWSPO) to solicit input from team during MSP update presentation at 9/25 IART meeting.

Snake Pond Update

Dave Hill presented an overview on the USGS sampling activities at Snake Pond.

- The full-scale diffusion sampler grid will be laid out 9/20-21 by the USGS.
- Results from the field test transect showed no RDX detected in any sampler. RDX was detected in a sampler that was installed in a monitoring well on base. Exact concentrations had not been provided. Confirmation results may be available by next Thursday 9/27.
- The full-scale test will consist of 8 lines that bracket the first transect. There are 102 sampling points + QC samples that will be collected. The sampling density increases south of the spit where groundwater samples have had RDX detections. The samplers will likely be removed approximately 3 weeks from today 9/20.
- Dave Williams (MDPH) inquired about perchlorate analysis and other explosive compounds. Mr. Hill indicated that the samples were being analyzed for 8330N explosives.
- Tina Dolen (IAGWSPO) notified area residents via a mailing and called the Town Adminstrator and Selectmen, regarding the sampling. Dave Mason (Sandwich Health Dept) had recommended against posting at the Pond.

J Ranges Plume maps

Herb Colby distributed 3 proposed plume maps for the J-1, J-3, L Ranges areas depicting separate RDX, HMX and Perchlorate plumes.

- AMEC was also working on forward particle tracks with the FS-12 system turned on, to put on the maps. This information will provide confirmation that the plume orientation makes sense and to show which portions are captured by system. The northern extent of the range and is not influenced by the FS-12 system. The particle tracks will be added in the next day or two. Plume maps were also being drawn for some of cross sections such as the one along Greenway Road.
- Mike Jasinski (EPA) suggested that the proposed well locations be provided with labels.
- Len Pinaud (MADEP) suggested that areas shown as the Water Supply Wells ZOCs be indicated in the legend.

- Jane Dolan (EPA) inquired about the RDX plume map that showed a closed circle around detections near L Range. Why wasn't this line dashed given that there was no upgradient well showing a nondetection. Mr. Colby indicated that reverse particle tracks from this shallow well (90LWA0007) terminated just north of the well, indicating the source was local.
- Ms. Dolan requested that the plumes be overlain on the aerial photograph used for the Chemical box figures in order to show range areas for reference.
- Len Pinaud (MADEP) suggested that the plumes be re-drawn to include only those wells where explosives have been detected. Mr. Pinaud stated that as the investigation continued, the plume boundaries could be re-drawn to reflect the new data and to update the public.
- Ms. Dolan stated that she didn't agree that 90MW0054 was connected to the main plume, since 90EW0001 did not have an RDX detection. Regarding the HMX map, Ms. Dolan also did not agree that detections of HMX from 132S and 30S combined to form a plume at Greenway Road. Mr. Colby indicated that it would be easier to visualize the plumes if the maps are reviewed in conjunction with the cross sections that are being developed.
- It was suggested that the yellow line that denoted the Impact Area boundary be labeled.
- Regarding the Perchlorate map, Ms. Dolan asked why individual circles weren't drawn around scattered detections on the groundwater mound and northeast of the mound. Mr. Colby indicated that he wasn't comfortable doing this, as there were so many. The origins of these detections were likely local. Ms. Dolan indicated that it was her opinion that the scattered detections were the result of the top of the groundwater mound moving slightly during the last 50 years.
- Mike Jasinski (EPA) pointed out that there were many non detects in the plume drawn for Perchlorate between the 3 wells that had detections. Perhaps these detections were three separate slugs.
- Todd Borci (EPA) requested that another contour line be added around MW-163/-132, which had a significantly higher concentration than elsewhere. A 15 ppb contour line was suggested.
- COL Bleakley (JPO) pointed out that in IRP discussions the issue of whether plumes could be drawn around single wells had been drawn out for 6 months.
- EPA to provide comments prior to 9/27 Tech meeting and discuss further modifications at 9/27 Tech meeting.

Petroleum-like Material Analysis Update

- Herb Colby (AMEC) explained that the Woods Hole Group had preliminary results for the Gas Chromatograph analysis, but they had not been provided to AMEC. Mass Spectra results were expected in a week or two. Enough PLM was obtained from MW-45 to do the Mass Spectra analysis. A short GC/MS run was completed; the run time is being lengthened to get more information. Preliminary information indicates only that the material is an alkylated compound; no comparison between the PLM and standards has been made. EPH results were presented in Interim Report 2.
- Todd Borci (EPA) requested that any data, chromatographs be forwarded to the EPA as soon as the information becomes available.
- Jane Dolan (EPA) requested that 90MW0031 (115' bwt) and 90MW0019 (80' bwt), which haven't been sampled since 1999 be considered for sampling again.

Combined Groundwater Study and Munitions Survey Project Schedule

- Todd Borci (EPA) to send a letter granting extension for Demo 1 Draft FS till 10/02 and for the Gun and Mortar Revised Draft till 10/29.

Mr. Borci outlined the following comments on the revised schedule:

- Demo Area 1 Coordination meeting – discussion ensued among Mr. Borci, Mark Applebee (AMEC) and Marc Grant (AMEC) regarding setting up a coordination meeting about expectations for the Demo 1 Soil FS Screening Report. It was decided that AMEC/Guard would review comments, particularly UXO and vadose zone issues. If there are any outstanding questions, then a coordination meeting could be held prior to 10/22, if not than 10/22 would be OK for a meeting. Mr. Applebee indicated that AMEC would put more info together on UXO remedial alternatives to discuss at meeting.
- Final Demo 1 Soil Report – Mr. Borci questioned why "if needed" was specified for this report. Mr. Applebee indicated that the perhaps the Revised Draft Demo 1 Soil Report could be substituted for the Final Report. Mr. Borci to consider at the time the report is submitted.
- Central Impact Area – Groundwater and Targets Phase II Sampling were omitted from schedule. If the Targets sampling is going to be a part of PSI, this needs to be specified.
- J-2 Range Schedule – Either additional delineation needs to be completed or the range should go to COC Identification. Herb Colby (AMEC) indicated that approximately 1/3 of the additional delineation data had been received. The remaining data would likely be received by next Friday. By then, AMEC could recommend if additional data needed to be collected. Additional scoping meeting set for 10/11. AMEC to provide data tables to EPA as available.
- J-1, J-3, L Ranges Schedule – Additional Delineation Work Plan #2 needs to be added.
- Gun & Mortar Schedule – There should be a G&M Operable Unit under the Feasibility Study Schedule. Additional delineation sampling should be added to a Post Screening Investigation. Bill Gallagher (IAGWSPO) stated that whether to complete additional delineation as part of the characterization phase or during the FS stage needed to be discussed internally.
- HUTA-1 – HUTA Interim Report isn't listed.
- MSP Phase I – combined revised document submittal date needs to be added per Ellen Iorio's (ACE) proposed schedule.
- AirMag Target List – the field work is shown as completed, isn't more field work planned? Would an extension request be submitted for the field work.
- Former K, Demo Area 2, Former A – Munitions Survey Reports for these areas need to combined into the Phase IIb Soil/Groundwater Characterization Report of these areas. Mr. Borci offered to extend the Site Characterization Report deadline for these areas to 01/09/02 in order to incorporate the MSP information.
- Central Impact Area FS Screening Report – Mr. Borci requested that a deadline for this report be set for 12/31. Mr. Gallagher pointed out that in the Guard's opinion, this was too soon, since HUTA2 and targets data would not be included. Therefore, the level of detail needed to complete the FS screening would not be available. Mike Jasinski (EPA) suggested that a scoping meeting be set for 10/04 to discuss the FS Screening Report scope.
- Central Impact Area PSI - What activities will be included in the PSI. Sufficient time needs to be built into the schedule to complete these activities.
- HUTA2 – No report in schedule.
- Feasibility Study HUTA1 – UXO – No such Operable Unit. HUTA1 – UXO should be addressed under the Central Impact Area soil FS. There should be a UXO FS that addresses UXO not included in any other areas. The same applies to remedial selection. Receive comments on Tech memo 01-7 by end of October.
- ITE Treatability Studies – no soil studies listed.
- Mr. Grant to revise schedule and send out early next week.

Miscellaneous

- COL Bleakley (JPO) distributed an IRP plume map to be included in the community guide. Email comments from agencies expected by next week.
- Todd Borci (EPA) requested a list and graphical depiction of all wells that were never sampled for VOCs.
- Mr. Borci requested a list of wells in the SE Ranges that hadn't been analyzed for explosives in a while.
- Mr. Borci requested that in the Dye proposal, a sentence be added to justify grid locations in Demo Area 1.
- Mr. Borci requested that the Schooner Pass and Comfort Station supply wells be sampled for Perchlorate, based on detection of perchlorate in MW-66S at GP-16.
- Marc Grant (AMEC) to check on past sampling schedule at Schooner Pass well.
- Jane Dolan (EPA) requested a copy of the USGS' Tritium-Helium dating proposal.
- Ms. Dolan requested a report on the instrument Nick Iaiennaro used to detect inert rounds.
- Mike Jasinski (EPA) requested information on follow-on Treatability Studies per recommendations in the report. Scott Veenstra (AMEC) indicated that Guard/Corps/AMEC would be discussing scope of additional treatability work internally on October 16.

EPA convened a meeting of the Impact Area Review Team on September 25, 2001. Topics discussed during the meeting were the Munitions Survey Project update, the Decision Criteria Matrix and it's use in assessing Remedial Alternatives and a Groundwater Study Investigation Update that included presentation of preliminary Snake Pond diffusion sampling results. The tentative date for the next meeting is October 23, 2001.

The Guard, EPA, and MADEP had a meeting on September 27 to discuss technical issues, including the following:

Punchlist Item #21

Jane Dolan (EPA) requested that dye analysis be added to the scope of sampling in the following areas:

J-2 Range Melt/Pour – original sampling locations in this area.
J-2 Range Disposal Area 1 – additional delineation grids.
J-2 Range Disposal Area 2 – additional delineation girds.

No written comments would be provided on the proposed dye sampling plan for the J-2 Range.

MSP Status

Ellen Iorio (ACE) provided an overview of the MSP status. Draft maps of the completed geophysical surveys (EM61) were distributed to the agencies.

- Mike Jasinski (EPA) inquired about the due date for the comments on the revised MSP. Comments are due by 10/4 on Chapters 9,10, and 11 of the revised combined MSP. The date that comments are received will set the date for the remaining schedule.
- On the ASP map, a drum of ash was found in the vicinity of Anomaly 1. The Goat Grave is in the vicinity of Anomalies 10/11. This area will be excavated carefully in an attempt to not disturb the grave. 31 anomalies will be excavated in this area.
- Former K Range map. In Area B, all 12 anomalies will be excavated. In Area C, all 4 low-level anomalies will be excavated. In Area E, additional work still needs to be completed with the Schoenstadt. All 9 anomalies will be excavated. In Area F, 8 anomalies were found and will be excavated.

- Succonsette Pond map. The geophysical survey over the pond showed no evidence of anything except single items. All visible surface items were removed prior to the survey. Two items were placed in the pond for QA/QC purposes: a 2" diameter, 18" long pipe seeded 4 feet below the water surface and a 4" diameter pipe, 18" long seeded one foot below the water surface. Intrusive validation had not been proposed in this area due to logistical and environmental concerns. This site will be shelved pending a decision regarding additional work.
- Jane Dolan (EPA) inquired about the report for the geophysical survey at the J-3 Wetland. CPT Meyer (IAGWSPO) indicated that this was addressed in the revised MSP report but he would check.

Snake Pond Diffusion Sampling

- Ben Gregson (IAGWSPO) stated that the update provided at the IART on Tuesday 9/25 provided the current information. The USGS installed 100+ diffusion samplers in Snake Pond last week. These would be removed in mid-October, approximately 4 weeks after installation.
- Jane Dolan (EPA) requested a data table summarizing the results from the first (test) transect. Dave Hill (IAGWSPO) to provide.

Southeast Corner Plume Map

EPA provided comment on plume maps distributed by AMEC at the 9/20 Tech meeting. Discussion on the Plume maps among EPA, MADEP, JPO and AMEC centered on 3 main topics: 1) whether the plume boundaries as presented by AMEC should be narrowed to more closely tie the plumes to explosive detections in wells. 2) whether the Guard would be prepared to present plume maps at the IART meeting. 3) whether separate plume maps should be drafted for the IART presentation. As part of this discussion, the following suggestions were made.

- Len Pinaud (MADEP) suggested that if the maps are intended for technical discussion and not for public distribution, they should state "FOR INTERNAL DISCUSSION PURPOSES ONLY". MADEP to provide additional comments on the maps via email.
- COL Bleakley (JPO) stressed that he was concerned about the differences between the Guard map (shows plume boundaries to non detect) and the consolidated plume map that would be published by JPO (shows only detections above risk-based criteria).
- Jane Dolan (EPA) made the following suggestions on the RDX map.
    - central RDX plume needs to back track further into L Range based on backtracks from MW-153 and MW-147.
    - TNT degradation products need to be depicted in eastern-most plume.
    - Detection at MW-130 should be a dot.
- Mark Panni (MADEP) wondered why all the non detect wells were located in the middle of the plumes. Marc Grant (AMEC) pointed out that many were water table wells. Herb Colby (AMEC) indicated that plume maps were still being developed in cross section depictions, but the cross sections with data (no plumes) were included in the J-1, J-3, L Range Report.
- Todd Borci (EPA) favored leaving the plumes as conservatively drawn for discussion purposes, reviewing the analytical data currently coming in as part of the ongoing trimester long-term monitoring effort, comparing this data to the maps as currently drawn, and determining whether modifications are warranted prior to presentation to the IART. In his opinion, the Guard needed to decide if sufficient data was available to present the plume maps at the October IART meeting or if the current sampling data would not be received in time and the maps should be presented at the December IART.
- There was an extended discussion about the plume in the interberm area at J-1 Range.

Primarily the discussion considered whether separate detections in wells in this area were really connected to form a plume or whether potential source areas such as the steel-lined pit, popper kettle area, and potentially other areas, although close together, represented distinct source areas and suggested separate plumes. In addition, Ms. Dolan questioned why the plume wasn't more aligned with particle tracks in the Interberm Area. Herb Colby (AMEC) pointed out that the reason the plume in this area wasn't separated and might not be as tightly aligned with the particle tracks was attributable to the fact that the groundwater mound historically has shifted. Spreading of contaminants likely occurred near the top of the mound, so less weight can be placed on the particle tracks. More defined plumes are expected further away from the mound. Ben Gregson (IAGWSPO) emphasized that this was an important point whether the plume(s) tracked north or more northwest. Mr. Colby indicated that the proposed well locations addressed both scenarios, although there were no wells located directly north of MW-164.

- Marc Grant (AMEC) suggested that the map could be split into a north and south depiction so that all proposed well locations on the north would be shown as wells and more of the Central Impact Area would be captured including MW-18 and MW-170, as requested by Mr. Borci. Ms. Dolan suggested that another map of only the northern portion could be developed considering plume origins at the former steel-lined pit and popper kettle (review ash results). But the map as presented should also be retained.
- Len Pinaud (MADEP) suggested that the proposed well fence in the northern portion of the ranges be shifted west. Ms. Dolan and Mr. Colby pointed out that these wells were already against a tree line.
- The HMX plume was discussed. Ms. Dolan suggested that the Melt/Pour Building well detection should be a separate plume, since it is not known where it joins the detonation pit plume.
- Ms. Dolan suggested that the plume in vicinity of MW-147 detections be left as open ended. Mr. Colby indicated that a backward particle track could bound the detection at MW-147. Mike Jasinski (EPA), Mark Panni (MADEP), and Mr. Pinaud pointed out that one detection should represent a dot - not a plume. Ms. Dolan pointed out that in this case the HMX was probably associated with the RDX plume in the central area. And that to be conservative, the plume should be left as is. Groundwater sampling of downgradient wells 90MW0031 and 90MW0019 (that haven't been sampled in awhile) should help determine the downgradient extent of the plume.
- Regarding the perchlorate plume, Ms. Dolan doubted that the detections formed a single plume as shown in the depiction, particularly 90MW0054. However, to be conservative, the plume map could be kept as is. But perhaps different for the public presentation. Mr. Gregson inquired if the well screens where perchlorate was detected were at depths consistent with a single plume. Mr. Colby indicated that they were.
- Ms. Dolan suggested that Greenway Road and the Impact Area boundary be labeled.
- Herb Colby (AMEC) to incorporate comments in revised plume maps ASAP, so that agencies can prepare comments on the J-1, J-3, L Report recommendations with the assistance of these maps.

HUTA2 Scope

Ellen Iorio (ACE) solicited comments on the Guard's recent Response to Comment letter on the HUTA2 scope. Todd Borci (EPA) suggested that discussion of the scoping for the CIA Soil FS Screening Report should be combined with the discussion of the HUTA2 scope. Ms. Iorio agreed that these could be discussed together at the 10/04 Tech meeting.

Perchlorate Detections at GP-16

The plan of action was discussed regarding the recent detection of Perchlorate at GP-16. Todd Borci (EPA) had requested that the Guard investigate sampling of the Schooner Pass well and Comfort Station well at the 9/20 Tech meeting.

- Marc Grant (AMEC) indicated that the Schooner Pass well had been sampled 3 times between 1997 and 1999 for Phase I analytes, but not perchlorate. Due to a lack of detections, the well was dropped as part of the LTM program in 2000. This well does not appear to be downgradient of MW-66 at GP-16 but may be downgradient of another position (GP-19). It was not known if this well was still used as a water supply well or the specific well construction details. Mr. Grant to check on construction details. Following the meeting, AMEC confirmed that this well is currently in use and an appointment had been set up to sample the well on Tuesday 10/02.
- Mr. Borci and Mike Jasinski (EPA) recommended that depending on whether or not there was a pump present in the well, the well should be sampled at 10 feet along the length of the screen. They noted that the well was cross gradient of MW-66S. Mr. Borci to review soil data from GP-19 to see if additional constituents were of concern. But most likely analysis of explosives would be requested in addition to Perchlorate.
- Heather Sullivan (ACE) reported that the Comfort Station well had been abandoned in April 2000. During its use, it was sampled for the standard drinking water parameters.
- Mr. Borci asked about a new housing development across from GP-16, was there any information on whether private wells or a community water well was associated with this development? COL Bleakley (JPO) indicated that the Bourne water district will know if the town distributes water to this development. Ms. Sullivan to investigate.

IART Maps

- Todd Borci (EPA) requested that only 2 IART maps showing all the wells of interest be provided if possible, 1 overview and 1 inset. Mr. Borci indicated that it would be best to separate the maps based on the groundwater mound at J-1 Range, but at least in accordance with the view that he had suggested at the 9/20 meeting.
- Marc Grant (AMEC) asked if the agencies were receptive to larger-sized maps. Mr. Borci indicated that this was up to the Guard to decide. A couple of alternatives could be presented for the EPA's consideration.
- Mr. Borci further requested that in accordance with Ben Gregson's (IAGWSPO) earlier approval, the CAL Limit of 18 ppb for Perchlorate should be replaced with the Camp Edwards limit of 1.5 ppb. Mr. Gregson requested that it be called the EPA Limit; Mr. Borci concurred.
- Mr. Borci also requested that the VOC IART map be prepared without the chloroform and bis (2-ethylhexyl) phthalate (BEHP) detections since they are obscured the other VOC detections. Mr. Borci further requested that the chloroform and BEHP detections be placed on two separate maps, the overview only would be acceptable. A draft should be prepared before the IART meeting for the agencies review. Mr. Borci further requested that the BEHP map should be similar to the Monthly maps and show detections above MCLs versus detections below MCLs. Mr. Gregson inquired if the chloroform and BEHP maps were really needed. Len Pinaud (MADEP) pointed out that DEP wasn't interested in the chloroform and BEHP maps. Mr. Borci responded that he was interested in this information and a decision could be made later whether to present these maps at the IART on a one-time occasion.

Miscellaneous

- Jane Dolan (EPA) asked why the Fate and Transport study was delayed. Jay Clausen (AMEC) responded that the University of Texas (UT) had had contract delays, equipment procurement delays, and delays in receiving standards. Approximately 1/3 of the data was outstanding; this data was anticipated by the end of October. UT was planning on doing an Interim Report to present the portion of the study that was completed. The degradation study was the portion that had been delayed.
- Ms. Dolan asked when the J Range well drilling would commence. Bill Gallagher (IAGWSPO) indicated that this drilling would likely begin in about 2 weeks.
- Ms. Dolan requested an explanation on why in the J-1, J-3, L Ranges Report a note associated with wells (example 90MW0054) indicated that results for samples collected after 1/01/01 were not available.
- Ms. Dolan requested information on what wells in addition to the J-1 Range wells had explosive detections in profile samples that had been PDA confirmed and then were reversed in the validation process. Todd Borci (EPA) pointed out that historically this occurrence has been rare. Recent events seem to be associated with petroleum interferences.
- Ms. Dolan inquired as to what the CHEMS geophysical method incorporated. This had been listed on one of the slides CPT Meyer (IAGWSPO) used in the IART presentation. CPT Meyer to check, but expressed only knowledge/memory regarding the KIMS system.
- Ms. Dolan requested that as part of the AirMag proposal for additional validation of targets, the probability of detection and probability of false positives be calculated.

2. SUMMARY OF DATA RECEIVED

Validated data were received during September for Sample Delivery Groups (SDGs) AO3042, AO3043, AO3046, AO3052, AO3055, AO3057, AO3058, AO3059, AO3063, AO3064, AO3066, AO3067, AO3068, CA3002, CA3003, CA3008, CA3010, CA3011, CA3012, CA3013, CA3014, CA3015, CEI009, CEI010, CEI011, CEI013, CEI015, CEI019, CEI022, CEI023, CMR018, CMR019, MMR608, MMR611, MMR612, MMR613, MMR617, MMR628, MMR630, MMR631, MMR633, MMR634, MMR635, MMR638, MMR641, MMR643, MMR657, MMR672, MOR608, SMR006, SMR007, SMR008, and SMR009. These SDGs contain results for 232 groundwater samples from monitoring wells; 70 groundwater profile samples from 82MW001, MW-167, MW-169, MW-170, MW-171, and MW-172; 4 soil grab and 333 grid samples from the J-1, J-2, and J-3 Ranges, Former C, D, E and K Ranges, Gravity Range, GA/GB Ranges, Cleared Areas 1, 4, 6, 7 and 10, Inactive Demo Area and Grenade Court 2; 2 surface water samples from Snake Pond; 19 soiling boring samples from borings B-26, B-27 and B-28; 2 crater grab samples; 47 leachate samples; and 12 other samples.

Validated Data

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

- Figure 1 shows the results of explosive analyses by EPA Method 8330

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

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

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

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

Figure 1: Explosives in Groundwater Compared to MCLs/HAs

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

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

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

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

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

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

Figure 2: Metals in Groundwater Compared to MCLs/HAs

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

2000 results. Thirteen of the 41 molybdenum exceedances were repeated in consecutive sampling rounds (wells 2S, 2D, 13D, 16D, 46M2, 52D, 52M3, 53M1, 53D, 54M2, 54S, 55D, and 57S). Molybdenum concentrations declined in 12 of these 13 wells. Eight molybdenum exceedances (wells 13D, 16D, 45S, 52D, 53M1, 57S, 57M2, and 81D) were observed in year 2000 results. One molybdenum exceedance (well 16D) was observed in year 2001 results. Five of the 15 sodium exceedances were repeated in consecutive sampling rounds (wells 2S, 46S, 57M2, 57M1, and SDW261160). Five wells (90WT0010, 21S, 46S, 57M1, and 57M2) had exceedances in the year 2000 results; two wells (145S and ASP) had exceedances in the year 2001 results. Seven of the 62 thallium exceedances were repeated in consecutive sampling rounds (wells 7M1, 7M2, 47M2, 52S, 52D, 54S, and 54M1). Twenty-two wells (2D, 3D, 35S, 39M1, 45S, 46M1, 47M3, 47M2, 48M3, 48D, 49M3, 50M1, 52S, 54S, 56S, 56M3, 57M2, 58S, 64M1, 73S, 83S, and 127S) had thallium exceedances in the year 2000 results; four wells (94M2, 132S, 150S and 10D) had thallium exceedances in the year 2001 results. Zinc exceeded the HA in seven wells, all of which are constructed of galvanized (zinc-coated) steel.

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

Figure 3: VOCs in Groundwater Compared to MCLs/HAs

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

Figure 4: SVOCs in Groundwater Compared to MCLs/HAs

Exceedances of drinking water criteria for SVOCs are scattered throughout the study area. All exceedances of drinking water criteria for SVOCs were measured for bis (2-ethylhexyl) phthalate (BEHP), except for two locations in FS-12 (wells 45S and 90MW0003) which had exceedances for naphthalene, and well 41M1 which had an estimated level of 2,6-dinitrotoluene (DNT) that is equal to the HA. BEHP is believed to be largely an artifact of the investigation methods, introduced to the samples during collection or analysis. A detailed discussion of the presence of BEHP is provided in the Draft Completion of Work Report (7/98) and subsequent responses to comments. The theory that BEHP occurs as an artifact, and is not really present in the aquifer, is supported by the results of subsequent sampling rounds that show much lower levels of the chemical after additional precautions were taken to prevent cross-contamination during sample collection and analysis. Only three locations (out of 74) showed BEHP exceedances in consecutive sampling rounds: 28MW0106 (located near SD-5, a site under investigation by AFCEE), 58MW0006E (located at CS-19), and 90WT0013 (located at FS-12). Subsequent sampling rounds at each of these three locations have had results below the MCL.

Three wells (49S, 57M2, and 84D) have had a BEHP exceedance in the year 2000 results. Five wells (28M1, 142M1, 142M2, 146M1, and 157D) have had a BEHP exceedance in the year 2001 results.

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

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

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

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

Figure 6: Perchlorate in Groundwater Compared to EPA Limit

Sampling and analysis of groundwater for perchlorate was initiated at the end of the year 2000 as part of the groundwater study program at Camp Edwards. EPA established a limit for perchlorate of 1.5 parts per billion (ppb) specific to Camp Edwards. At present, there are 32 exceedances of the limit of 1.5 ppb for perchlorate.

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

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

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 58MW0007B (CS-19 well), 58MW0018B (CS-19), 90MW0022 (FS-12) and MW-141M2 (Central Impact Area) had detections of RDX that were confirmed by PDA spectra. The previous rounds of sampling had similar detections.

- Groundwater samples from 58MW0007C (CS-19) had a detection of RDX that was confirmed by PDA spectra. This was the first time RDX was detected in this well.

- Groundwater samples from 58MW0016B (CS-19), 58MW0016C (CS-19), 58MW0001 (CS-19) and MW-58S (J-1 Range) had detections of RDX and HMX that were confirmed by PDA spectra. The previous rounds of sampling had similar detections.

- Groundwater samples from 58MW0002 (CS-19) had detections of 4A-DNT, RDX and HMX that were confirmed by PDA spectra. The previous round of sampling had similar detections.

- Groundwater samples from 58MW0009E (CS-19) had detections of 2A-DNT, 4A-DNT, RDX and HMX that were confirmed by PDA spectra. The previous round of sampling had similar detections.

- Groundwater samples from 90LWA0007 (FS-12) had detections of 2,6-DNT, 2-nitrotoluene, 3-nitrotoluene, 4A-DNT, 4-nitrotoluene, and picric acid. The 2,6-DNT was confirmed by PDA spectra. None of the detected compounds have ever been validated as present in this well.

- Groundwater samples and a duplicate sample from 90WT0004 (FS-12) had detections of HMX that were confirmed by PDA spectra. HMX has been detected in this well in previous rounds.

- Groundwater samples from MW-164M2 (J-1 Range) had detections of RDX, HMX, and tetryl that were confirmed by PDA spectra. The previous round of sampling was similar except that this was the first time tetryl was detected.

- Groundwater samples from MW-45S (L Range) had detections of TNT, 2,6-DNT, 2-nitrotoluene, 3-nitrotoluene, 4-nitrotoluene, RDX, nitroglycerin, and picric acid. 2,6-DNT and RDX were confirmed by PDA spectra. The previous round of sampling was similar except that this is the first time RDX was detected.

- Groundwater samples from MW-40S (Central Impact Area well) had detections of TNT, 2A-DNT, 4A-DNT, and RDX that were confirmed by PDA spectra. These detections are similar to the previous round of sampling except that RDX was detected for the first time.

- Groundwater samples from MW-141S (Central Impact Area) had detections of TNT and 2,6-DNT. This was the first time 2,6-DNT has been detected in this well. The previous rounds of sampling had only confirmed detections of TNT.

- Groundwater samples from MW-19S (Demo 1) had detections of TNT, 2,6-DNT, 2A-DNT, 4A-DNT, RDX, TNX, DNX, MNX, and HMX that were confirmed by PDA spectra. Previous rounds of sampling had similar detections. This was the first time this well has been analyzed using method 8330NX which enables TNX, DNX, and MNX to be detected.

- Groundwater samples from MW-31S (Demo 1) had detections of TNT, 2,4-DNT, 2A-DNT, 4A-DNT, RDX, DNX, MNX, TNX, and HMX that were confirmed by PDA spectra. The previous round of sampling had similar detections, except that this was the first time analysis using the 8330NX method.

- Groundwater samples from MW-84D (Canal View Rd) had detections of TNT and 2,6-DNT. The 2,6-DNT was confirmed by PDA spectra. This was the first time any explosives have been confirmed by PDA at this well location.

- Groundwater samples from MW-84M1 (Canal View Rd) had a detection of 2,6-DNT that was confirmed by PDA spectra. This was the first time any explosives have been confirmed by PDA at this well location.

- Groundwater samples from MW-84M2 (Canal View Rd) had a detection of 2,4-DNT that was not confirmed by PDA. Explosives have not been previously detected in this well.

- Groundwater profile samples from MW-177 (Central Impact Area well) had detections of 1,3-dinitrobenzene (9 intervals), 2,4-DNT (1 interval), 2A-DNT (2 intervals), 4A-DNT (3 intervals), nitrobenzene (3 intervals), nitroglycerin (8 intervals), picric acid (6 intervals), 3-nitrotoluene (7 intervals), 4-nitrotoluene (7 intervals), PETN (1 interval), TNT (1 interval), and HMX (1 interval). One nitrobenzene detection, two 4A-DNT detections, one 2A-DNT detections and the TNT and 2,4-DNT detections were verified by PDA spectra.

- Groundwater profile samples from MW-177 (Central Impact Area well redrill) had detections of 1,3-dinitrobenzene (4 intervals), 2,4-DANT (6 intervals), 2,6-DANT (1 interval), 2A-DNT (1 interval), 4A-DNT (4 intervals), 1,3,5-trinitrobenzene (2 intervals), nitroglycerin (9 intervals), picric acid (7 intervals), and PETN (2 intervals). The 2,4-DANT and 2,6-DANT detections were verified by PDA spectra.

- Groundwater profile samples from MW-178 (Central Impact Area well) had detections of RDX (4 intervals), 2,6-DNT (1 interval), nitroglycerin (1 interval), and tetryl (1 interval). Three of the RDX detections and the tetryl detection were confirmed by PDA spectra.

- Groundwater profile samples from MW-179 (Central Impact Area well) had detections of 1,3,5-trinitrobenzene (1 interval), 1,3-dinitrobenzene (1 interval), nitroglycerin (3 intervals), picric acid (1 interval), PETN (2 intervals), 4A-DNT (3 intervals), 2A-DNT (1 interval), and 2,6-DNT (1 interval). The detections of 1,3,5-trinitrobenzene and 2,6-DNT were confirmed by PDA spectra.

- Groundwater profile samples from MW-180 (Central Impact Area well) had detections of 3-nitrotoluene (7 intervals), 4-nitrotoluene (7 intervals), RDX (16 intervals), nitroglycerin (14 intervals), 2,4-DNT (4 intervals), 2A-DNT (2 intervals), 4A-DNT (1 interval), 2,4-DANT (4 intervals), picric acid (2 intervals), 1,3-dinitrobenzene (3 intervals), tetryl (1 interval), and 1,3,5-trinitrobenzene (1 interval). Two 3-nitrotoluene detections, one RDX detection, three 2,4-DNT detections, all of the 2,4-DANT detections, and the only tetryl detection were confirmed by PDA spectra.

- Groundwater profile samples from MW-181 (J-3 Range) had detections of acetone, chloroform, 2A-DNT, 4A-DNT, HMX, and TNT in a sample collected at the water table, through hollow stem augers. All detections from the explosives analysis were confirmed by PDA spectra.

- Groundwater profile samples from MW-182 (Central Impact Area) had detections of 3-nitrotoluene (4 intervals), 4-nitrotoluene (4 intervals), RDX (5 intervals), nitroglycerin (12 intervals), 2,4-DNT (16 intervals), 2,4-DANT (14 intervals), picric acid (13 intervals), 1,3-dinitrobenzene (4 intervals), PETN (4 intervals), TNT (1 interval) and 1,3,5-trinitrobenzene (3 intervals). One 3-nitrotoluene detection, one 4-nitrotoluene detection, and all of the 2,4-DANT detections were confirmed by PDA spectra.

- Groundwater profile samples from MW-184 (Central Impact Area) had detections of RDX (5 intervals), HMX (2 intervals), and nitroglycerin (6 intervals). The RDX and HMX detections were confirmed by PDA spectra.

- Soil from supplemental BIP grid samples HDJ1200182RSS3, HDJ200182RSS7, and HDJ1A100043SS4 had detections of PETN that were not confirmed by PDA spectra.

- Soil from supplemental BIP grid sample HDJ1A100043SS2 had detections of 4-nitrotoluene and nitroglycerin that were not confirmed by PDA spectra.

- Soil from supplemental BIP grid sample HDJ1A200108SS4 had a detection of 2,4-DNT that was confirmed by PDA spectra.

- Soil from supplemental BIP grid sample HDJ1A200108SS7 had a detection of 2,4-DNT and HMX that were confirmed by PDA spectra.

- Soil from supplemental BIP grid samples HDJ2A200595SS4, HDJ2A200600SS2, and HDJ2A200600SS6 had detections of nitroglycerin that were not confirmed by PDA spectra.

- Soil from supplemental BIP grid sample HDJ2A200600SS3 had detections of nitroglycerin and RDX. The RDX was confirmed by PDA spectra.

- One soil sample from boring B-29 (J-3 Range Melt/Pour) had a detection of TNT that was confirmed by PDA spectra.

3. DELIVERABLES SUBMITTED

Deliverables submitted during the reporting period include the following:

J-1, J-3, L Ranges Draft Interim Results Report No. 2 (Technical Memorandum 01-16)	9/4/01
Weekly Progress Update for August 20 - 24	9/5/01
Weekly Progress Update for August 27 - 31	9/7/01
August 2001 Monthly Progress Report	9/7/01
J-1, J-3, L Ranges Final Additional Delineation Work Plan	9/10/01
RRA Final Round 2 Supplemental Delineation Report	9/13/01
Weekly Progress Update for September 3 - September 7	9/13/01
Weekly Progress Update for September 10 - September 14	9/21/01
Weekly Progress Update for September 17 - September 21	9/28/01

4. SCHEDULED ACTIONS

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

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

- Start HUTA1 UXO FS preparation
- Start Demo Area 1 Groundwater Draft Remedy Selection Plan preparation

5. SUMMARY OF ACTIVITIES FOR DEMO 1

An additional downgradient well location (D1P-8) on Pew Road will be drilled in the coming weeks. Analysis of second, third and fourth round groundwater samples from newly installed wells is ongoing. Analysis of subsurface soil samples for TOC and other analytes was completed. The groundwater Feasibility Study was completed and submitted on October 4, 2001.

TABLE 2
SAMPLING PROGRESS
9/1/2001-9/30/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HDJ1200108SS10	J1200108S	09/21/2001	CRATER GRID	0.00	0.25		
HDJ1200108SS9	J1200108S	09/21/2001	CRATER GRID	0.00	0.25		
HDJ1300038SS1	J1300038S	09/26/2001	CRATER GRID	0.00	0.25		
HDJ1300038SS2	J1300038S	09/26/2001	CRATER GRID	0.00	0.25		
HDJ1300038SS3	J1300038S	09/26/2001	CRATER GRID	0.00	0.25		
HDJ1300038SS4	J1300038S	09/26/2001	CRATER GRID	0.00	0.25		
HDJ1300038SS4D	J1300038S	09/26/2001	CRATER GRID	0.00	0.25		
HDJ1300038SS5	J1300038S	09/26/2001	CRATER GRID	0.00	0.25		
HDJ1300038SS6	J1300038S	09/26/2001	CRATER GRID	0.00	0.25		
HDJ1300038SS7	J1300038S	09/26/2001	CRATER GRID	0.00	0.25		
HDJ1300038SS8	J1300038S	09/26/2001	CRATER GRID	0.00	0.25		
HDJ1300042SS1	J1300042S	09/24/2001	CRATER GRID	0.00	0.25		
HDJ1300042SS2	J1300042S	09/24/2001	CRATER GRID	0.00	0.25		
HDJ1300042SS3	J1300042S	09/24/2001	CRATER GRID	0.00	0.25		
HDJ1300042SS4	J1300042S	09/24/2001	CRATER GRID	0.00	0.25		
HDJ1300042SS4D	J1300042S	09/24/2001	CRATER GRID	0.00	0.25		
HDJ1300042SS5	J1300042S	09/24/2001	CRATER GRID	0.00	0.25		
HDJ1300042SS6	J1300042S	09/24/2001	CRATER GRID	0.00	0.25		
HDJ1300042SS7	J1300042S	09/24/2001	CRATER GRID	0.00	0.25		
HDJ1300042SS8	J1300042S	09/24/2001	CRATER GRID	0.00	0.25		
HDJ1300071SS1	J1300071S	09/24/2001	CRATER GRID	0.00	0.25		
HDJ1300071SS2	J1300071S	09/24/2001	CRATER GRID	0.00	0.25		
HDJ1300071SS3	J1300071S	09/24/2001	CRATER GRID	0.00	0.25		
HDJ1300071SS4	J1300071S	09/24/2001	CRATER GRID	0.00	0.25		
HDJ1300071SS4D	J1300071S	09/24/2001	CRATER GRID	0.00	0.25		
HDJ1300071SS5	J1300071S	09/24/2001	CRATER GRID	0.00	0.25		
HDJ1300071SS6	J1300071S	09/24/2001	CRATER GRID	0.00	0.25		
HDJ1300071SS7	J1300071S	09/24/2001	CRATER GRID	0.00	0.25		
HDJ1300071SS8	J1300071S	09/24/2001	CRATER GRID	0.00	0.25		
HDJ3200001SS1	J3200001S	09/26/2001	CRATER GRID	0.00	0.25		
HDJ3200001SS2	J3200001S	09/26/2001	CRATER GRID	0.00	0.25		
HDJ3200001SS3	J3200001S	09/26/2001	CRATER GRID	0.00	0.25		
HDJ3200001SS4	J3200001S	09/26/2001	CRATER GRID	0.00	0.25		
HDJ3200001SS5	J3200001S	09/26/2001	CRATER GRID	0.00	0.25		
HDJ3200001SS6	J3200001S	09/26/2001	CRATER GRID	0.00	0.25		
HDJ3200001SS7	J3200001S	09/26/2001	CRATER GRID	0.00	0.25		
HDJ3200001SS8	J3200001S	09/26/2001	CRATER GRID	0.00	0.25		
HDJ3200003SS1	J3200003S	09/26/2001	CRATER GRID	0.00	0.25		
HDJ3200003SS2	J3200003S	09/26/2001	CRATER GRID	0.00	0.25		
HDJ3200003SS3	J3200003S	09/26/2001	CRATER GRID	0.00	0.25		
HDJ3200003SS4	J3200003S	09/26/2001	CRATER GRID	0.00	0.25		
HDJ3200003SS4D	J3200003S	09/26/2001	CRATER GRID	0.00	0.25		
HDJ3200003SS5	J3200003S	09/26/2001	CRATER GRID	0.00	0.25		
HDJ3200003SS6	J3200003S	09/26/2001	CRATER GRID	0.00	0.25		
HDJ3200003SS7	J3200003S	09/26/2001	CRATER GRID	0.00	0.25		
HDJ3200003SS8	J3200003S	09/26/2001	CRATER GRID	0.00	0.25		
58MW0002-E	FIELDQC	09/19/2001	FIELDQC	0.00	0.00		
58MW0002E	FIELDQC	09/19/2001	FIELDQC	0.00	0.00		
58MW0018A-E	FIELDQC	09/04/2001	FIELDQC	0.00	0.00		

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

TABLE 2
SAMPLING PROGRESS
9/1/2001-9/30/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
58MW001D-E	FIELDQC	09/26/2001	FIELDQC	0.00	0.00		
90MW0022-E	FIELDQC	09/05/2001	FIELDQC	0.00	0.00		
90MW0041-E	FIELDQC	09/03/2001	FIELDQC	0.00	0.00		
90MW0063E	FIELDQC	09/24/2001	FIELDQC	0.00	0.00		
90WT0005-E	FIELDQC	09/06/2001	FIELDQC	0.00	0.00		
90WT0013E	FIELDQC	09/25/2001	FIELDQC	0.00	0.00		
95-15A-E	FIELDQC	09/05/2001	FIELDQC	0.00	0.00		
95-15A-T	FIELDQC	09/05/2001	FIELDQC	0.00	0.00		
95-15A-T	FIELDQC	09/06/2001	FIELDQC	0.00	0.00		
95-64-E	FIELDQC	09/10/2001	FIELDQC	0.00	0.00		
95-6A-E	FIELDQC	09/10/2001	FIELDQC	0.00	0.00		
95-6A-T	FIELDQC	09/10/2001	FIELDQC	0.00	0.00		
95-6B-T	FIELDQC	09/11/2001	FIELDQC	0.00	0.00		
97-3E	FIELDQC	09/20/2001	FIELDQC	0.00	0.00		
97-3T	FIELDQC	09/20/2001	FIELDQC	0.00	0.00		
BHW215083B-E	FIELDQC	09/07/2001	FIELDQC	0.00	0.00		
BHW215083B-T	FIELDQC	09/07/2001	FIELDQC	0.00	0.00		
G177DKE	FIELDQC	09/28/2001	FIELDQC	0.00	0.00		
G178DCE	FIELDQC	09/05/2001	FIELDQC	0.00	0.00		
G179DHE	FIELDQC	09/05/2001	FIELDQC	0.00	0.00		
G179DPE	FIELDQC	09/06/2001	FIELDQC	0.00	0.00		
G179DSE	FIELDQC	09/04/2001	FIELDQC	0.00	0.00		
G182DDE	FIELDQC	09/21/2001	FIELDQC	0.00	0.00		
G182DJE	FIELDQC	09/21/2001	FIELDQC	0.00	0.00		
G182DOE	FIELDQC	09/24/2001	FIELDQC	0.00	0.00		
G182DPE	FIELDQC	09/25/2001	FIELDQC	0.00	0.00		
G183DBE	FIELDQC	09/24/2001	FIELDQC	0.00	0.00		
G183DCE	FIELDQC	09/25/2001	FIELDQC	0.00	0.00		
G183DHE	FIELDQC	09/26/2001	FIELDQC	0.00	0.00		
G183DJE	FIELDQC	09/27/2001	FIELDQC	0.00	0.00		
G183DME	FIELDQC	09/28/2001	FIELDQC	0.00	0.00		
G184DAE	FIELDQC	09/26/2001	FIELDQC	0.00	0.00		
G184DLE	FIELDQC	09/27/2001	FIELDQC	0.00	0.00		
HC05DA1BAT	FIELDQC	09/20/2001	FIELDQC	0.00	0.00		
HC05DA1CAE	FIELDQC	09/20/2001	FIELDQC	0.00	0.00		
HDA09210101AE	FEILDQC	09/28/2001	FIELDQC	0.00	0.00		
HDA09210101AT	FEILDQC	09/28/2001	FIELDQC	0.00	0.00		
HDJ1200108SS9E	FIELDQC	09/21/2001	FIELDQC	0.00	0.00		
HDJ1300071SS1E	FIELDQC	09/24/2001	FIELDQC	0.00	0.00		
J3200003SS5E	FIELDQC	09/26/2001	FIELDQC	0.00	0.00		
S184DAE	FIELDQC	09/19/2001	FIELDQC	0.00	0.00		
W164M1T	FIELDQC	09/10/2001	FIELDQC	0.00	0.00		
W66SSF	FIELDQC	09/24/2001	FIELDQC	0.00	0.00		
W66SST	FIELDQC	09/24/2001	FIELDQC	0.00	0.00		
110SPR	RS0011	09/21/2001	GROUNDWATER				
11OSPR	RS0011	09/21/2001	GROUNDWATER				
27MW0108A	27MW0108A	09/04/2001	GROUNDWATER	222.00	227.00	80.70	85.70
58MW0002	58MW0002	09/19/2001	GROUNDWATER	122.00	127.00	4.60	9.60
58MW0011D	58MW0011	09/26/2001	GROUNDWATER	175.40	180.40	49.50	54.50

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
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
9/1/2001-9/30/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
58MW0015A	58MW0015	09/26/2001	GROUNDWATER		172.20		51.20
58MW0018A	58MW0018A	09/04/2001	GROUNDWATER	202.70	211.70	60.85	69.85
58MW0018B	58MW0018B	09/04/2001	GROUNDWATER	176.00	186.00	34.55	44.55
58MW0018C	58MW0018C	09/04/2001	GROUNDWATER	150.00	160.00	8.56	18.56
90LWA0007	90LWA0007	09/03/2001	GROUNDWATER	92.00	102.00	0.00	10.00
90MW0003	90MW0003	09/25/2001	GROUNDWATER	144.00	149.00	51.80	56.80
90MW0022	90MW0022	09/05/2001	GROUNDWATER	112.00	117.00	72.79	77.79
90MW0022-B	90MW0022	09/05/2001	GROUNDWATER	112.00	117.00	72.79	77.79
90MW0041	90MW0041	09/03/2001	GROUNDWATER	125.00	130.00	31.50	36.50
90MW0041-D	90MW0041	09/03/2001	GROUNDWATER	125.00	130.00	31.50	36.50
90MW0054	90MW0054	09/25/2001	GROUNDWATER	107.00	112.00	91.10	96.10
90MW0063	90MW0063	09/24/2001	GROUNDWATER	50.00	55.00	32.00	37.00
90MW0070	90MW0070	09/25/2001	GROUNDWATER	132.50	137.50	75.60	80.60
90MW0071	90MW0071	09/24/2001	GROUNDWATER	150.00	155.00	79.00	84.00
90MW0080	90MW0080	09/26/2001	GROUNDWATER	139.00	144.00	87.20	92.20
90WT0003	90WT0003	09/07/2001	GROUNDWATER	87.50	97.50	0.00	10.00
90WT0004	90WT0004	09/07/2001	GROUNDWATER	35.00	45.00	3.00	13.00
90WT0004-D	90WT0004	09/07/2001	GROUNDWATER	35.00	45.00	3.00	13.00
90WT0005	90WT0005	09/06/2001	GROUNDWATER	51.00	61.00	0.00	10.00
90WT0005-D	90WT0005	09/06/2001	GROUNDWATER	51.00	61.00	0.00	10.00
90WT0013	90WT0013	09/25/2001	GROUNDWATER	92.00	102.00	0.00	10.00
90WT0019	90WT0019	09/26/2001	GROUNDWATER	96.00	106.00	0.00	10.00
90WT006	90WT006	09/25/2001	GROUNDWATER	95.00	105.00	0.00	10.00
95-14	95-14	09/05/2001	GROUNDWATER	102.00	112.00	89.90	99.90
95-15A	95-15A	09/05/2001	GROUNDWATER	189.00	199.00	139.10	149.10
95-6A	95-6A	09/10/2001	GROUNDWATER	175.00	185.00	146.00	156.00
95-6B	95-6B	09/10/2001	GROUNDWATER	119.00	129.00	94.00	104.00
95-6ES	95-6ES	09/10/2001	GROUNDWATER	38.00	48.00	0.00	10.00
95-6ES	95-6ES	09/11/2001	GROUNDWATER	38.00	48.00	0.00	10.00
97-1	97-1	09/20/2001	GROUNDWATER	83.00	93.00	60.60	70.60
97-3	97-3	09/20/2001	GROUNDWATER	75.00	85.00	33.50	43.50
ASPWELL	ASPWELL	09/27/2001	GROUNDWATER				
BHW215083A	BHW215083A	09/10/2001	GROUNDWATER		215.00		157.50
BHW215083B	BHW215083B	09/07/2001	GROUNDWATER		65.00		7.40
BHW215083C	BHW215083C	09/10/2001	GROUNDWATER		290.00		232.00
BHW215083D	BHW215083D	09/07/2001	GROUNDWATER		175.00		117.10
CEMETERY1	CEMETERY1	09/26/2001	GROUNDWATER				
CEMETERY1	CEMETERY1	09/28/2001	GROUNDWATER				
CEMETERY1D	CEMETERY1D	09/26/2001	GROUNDWATER				
CEMETERY2	CEMETERY2	09/26/2001	GROUNDWATER				
CEMETERY2	CEMETERY2	09/28/2001	GROUNDWATER				
CEMETERYID	CEMETERY1	09/28/2001	GROUNDWATER				
ECMWSNP02D	ECMWSNP02D	09/28/2001	GROUNDWATER			79.90	84.90
ECMWSNP02S	ECMWSNP02S	09/28/2001	GROUNDWATER			40.00	45.00
ECMWSNP02S-D	ECMWSNP02S	09/28/2001	GROUNDWATER			40.00	45.00
ECMWSNP03D	ECMWSNP03	09/27/2001	GROUNDWATER			79.90	84.90
ECMWSNP03S	ECMWSNP03	09/27/2001	GROUNDWATER			40.00	45.00
LRM0003	LRMW0003	09/19/2001	GROUNDWATER	95.00	105.00	69.68	79.68
LRM0003-D	LRMW0003	09/19/2001	GROUNDWATER	95.00	105.00	69.68	79.68

Profiling methods include: Volatiles and Explosives
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BWTE = Depth below water table, end depth, measured in feet

TABLE 2
SAMPLING PROGRESS
9/1/2001-9/30/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
LRMW0003	LRMW0003	09/19/2001	GROUNDWATER	95.00	105.00	69.68	79.68
LRMW0003D	LRMW0003	09/19/2001	GROUNDWATER	95.00	105.00	69.68	79.68
LRWS1-4	LRWS1-4	09/06/2001	GROUNDWATER	121.00	131.00	108.30	113.30
RANGECON	RANGECON	09/26/2001	GROUNDWATER				
RANGECON	RANGECON	09/28/2001	GROUNDWATER				
SDW261160	SDW261160	09/24/2001	GROUNDWATER	152.00	162.00	10.20	20.20
SDW263111	SDW263111	09/20/2001	GROUNDWATER	99.00	109.00	0.00	10.00
SMR-2	SMR-2	09/11/2001	GROUNDWATER	110.00	120.00	5.50	15.50
SMR-4	SMR-4	09/06/2001	GROUNDWATER	103.50	113.50	58.10	68.10
W164M1A	MW-164	09/10/2001	GROUNDWATER	117.00	127.00	9.00	19.00
W172M1A	MW-172	09/21/2001	GROUNDWATER	199.00	209.00	134.00	144.00
W172M2A	MW-172	09/21/2001	GROUNDWATER	169.00	199.00	104.00	114.00
W172M3A	MW-172	09/24/2001	GROUNDWATER	109.00	119.00	44.00	54.00
W66SSA	MW-66	09/21/2001	GROUNDWATER	125.70	135.70	7.00	17.00
W85M1A	MW-85	09/26/2001	GROUNDWATER	137.50	147.50	19.00	29.00
W85SSA	MW-85	09/27/2001	GROUNDWATER	116.00	126.00	0.00	10.00
W86M1A	MW-86	09/27/2001	GROUNDWATER	208.00	218.00	62.20	72.20
W86M2A	MW-86	09/27/2001	GROUNDWATER	158.00	168.00	12.20	22.20
W86SSA	MW-86	09/27/2001	GROUNDWATER	143.00	153.00	0.00	10.00
W87M1A	MW-87	09/27/2001	GROUNDWATER	194.00	204.00	119.60	129.60
W87M2A	MW-87	09/27/2001	GROUNDWATER	169.00	179.00	34.40	44.40
W87M3A	MW-87	09/28/2001	GROUNDWATER	140.00	150.00	8.00	18.00
W87M3D	MW-87	09/28/2001	GROUNDWATER	140.00	150.00	8.00	18.00
W88M1A	MW-88	09/27/2001	GROUNDWATER	233.00	243.00	92.00	102.00
W88M2A	MW-88	09/28/2001	GROUNDWATER	213.00	223.00	72.00	82.00
W88M3A	MW-88	09/28/2001	GROUNDWATER	173.00	183.00	32.00	42.00
W89M1A	MW-88	09/28/2001	GROUNDWATER	234.00	244.00	92.00	102.00
DW092401	GAC WATER	09/24/2001	IDW				
FS12TSEF	FS12TSEF	09/26/2001	PROCESS WATEF				
FS12TSIN	FS12TSIN	09/26/2001	PROCESS WATEF				
G177DAA	MW-177	09/26/2001	PROFILE	197.00	197.00	9.00	9.00
G177DBA	MW-177	09/26/2001	PROFILE	210.00	210.00	22.00	22.00
G177DCA	MW-177	09/26/2001	PROFILE	220.00	220.00	32.00	32.00
G177DCD	MW-177	09/26/2001	PROFILE	220.00	220.00	32.00	32.00
G177DDA	MW-177	09/26/2001	PROFILE	230.00	230.00	42.00	42.00
G177DEA	MW-177	09/26/2001	PROFILE	240.00	240.00	52.00	52.00
G177DFA	MW-177	09/26/2001	PROFILE	250.00	250.00	62.00	62.00
G177DGA	MW-177	09/27/2001	PROFILE	260.00	260.00	72.00	72.00
G177DHA	MW-177	09/27/2001	PROFILE	270.00	270.00	82.00	82.00
G177DIA	MW-177	09/27/2001	PROFILE	280.00	280.00	92.00	92.00
G177DJA	MW-177	09/27/2001	PROFILE	290.00	290.00	102.00	102.00
G177DKA	MW-177	09/28/2001	PROFILE	300.00	300.00	112.00	112.00
G179DCA	MW-179	09/04/2001	PROFILE	170.00	170.00	29.60	29.60
G179DDA	MW-179	09/04/2001	PROFILE	180.00	180.00	39.60	39.60
G179DDD	MW-179	09/04/2001	PROFILE	180.00	180.00	39.60	39.60
G179DEA	MW-179	09/04/2001	PROFILE	190.00	190.00	49.60	49.60
G179DFA	MW-179	09/04/2001	PROFILE	200.00	200.00	59.60	59.60
G179DFD	MW-179	09/04/2001	PROFILE	200.00	200.00	59.60	59.60
G179DGA	MW-179	09/04/2001	PROFILE	210.00	210.00	69.60	69.90

Profiling methods include: Volatiles and Explosives
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TABLE 2
SAMPLING PROGRESS
9/1/2001-9/30/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G179DHA	MW-179	09/05/2001	PROFILE	220.00	220.00	79.60	79.60
G179DIA	MW-179	09/05/2001	PROFILE	230.00	230.00	89.60	89.60
G179DJA	MW-179	09/05/2001	PROFILE	240.00	240.00	99.60	99.60
G179DKA	MW-179	09/05/2001	PROFILE	250.00	250.00	109.60	109.60
G179DLA	MW-179	09/05/2001	PROFILE	260.00	260.00	119.60	119.60
G179DMA	MW-179	09/05/2001	PROFILE	270.00	270.00	129.60	129.69
G179DNA	MW-179	09/05/2001	PROFILE	280.00	280.00	139.60	139.60
G179DOA	MW-179	09/05/2001	PROFILE	290.00	290.00	149.60	149.60
G179DPA	MW-179	09/06/2001	PROFILE	300.00	300.00	159.60	159.60
G179DQA	MW-179	09/06/2001	PROFILE	310.00	310.00	169.60	169.60
G179DQD	MW-179	09/06/2001	PROFILE	310.00	310.00	169.60	169.60
G179DRA	MW-179	09/06/2001	PROFILE	320.00	320.00	179.60	179.60
G179DSA	MW-179	09/06/2001	PROFILE	330.00	330.00	189.60	189.60
G179DTA	MW-179	09/06/2001	PROFILE	338.00	338.00	197.60	197.60
G180DSA	MW-180	09/04/2001	PROFILE	350.00	350.00	194.00	194.00
G182DAA	MW-182	09/19/2001	PROFILE	190.00	190.00	20.40	20.40
G182DBA	MW-182	09/19/2001	PROFILE	200.00	200.00	30.40	30.40
G182DCA	MW-182	09/20/2001	PROFILE	210.00	210.00	40.40	40.40
G182DDA	MW-182	09/20/2001	PROFILE	220.00	220.00	50.40	50.40
G182DDD	MW-182	09/20/2001	PROFILE	220.00	220.00	50.40	50.40
G182DEA	MW-182	09/20/2001	PROFILE	230.00	230.00	60.40	60.40
G182DFA	MW-182	09/20/2001	PROFILE	240.00	240.00	70.40	70.40
G182DGA	MW-182	09/20/2001	PROFILE	250.00	250.00	80.40	80.40
G182DHA	MW-182	09/20/2001	PROFILE	260.00	260.00	90.40	90.40
G182DIA	MW-182	09/20/2001	PROFILE	270.00	270.00	100.40	100.40
G182DJA	MW-182	09/21/2001	PROFILE	280.00	280.00	110.40	110.40
G182DKA	MW-182	09/21/2001	PROFILE	290.00	290.00	120.40	120.40
G182DLA	MW-182	09/21/2001	PROFILE	300.00	300.00	130.40	130.40
G182DMA	MW-182	09/24/2001	PROFILE	310.00	310.00	140.40	140.40
G182DOA	MW-182	09/24/2001	PROFILE	330.00	330.00	160.40	160.40
G182DPA	MW-182	09/25/2001	PROFILE	340.00	340.00	170.40	170.40
G182DQA	MW-182	09/25/2001	PROFILE	350.00	350.00	180.40	180.40
G182DQD	MW-182	09/25/2001	PROFILE	350.00	350.00	180.40	180.40
G182DRA	MW-182	09/25/2001	PROFILE	360.00	360.00	190.40	190.40
G182DSA	MW-182	09/25/2001	PROFILE	370.00	370.00	100.40	100.40
G183DAA	MW-183	09/24/2001	PROFILE	205.00	205.00	23.90	23.90
G183DBA	MW-183	09/24/2001	PROFILE	215.00	215.00	33.90	33.90
G183DCA	MW-183	09/25/2001	PROFILE	225.00	225.00	43.90	43.90
G183DDA	MW-183	09/25/2001	PROFILE	235.00	235.00	53.90	53.90
G183DEA	MW-183	09/25/2001	PROFILE	245.00	245.00	63.90	63.90
G183DFA	MW-183	09/25/2001	PROFILE	255.00	255.00	73.90	73.90
G183DFD	MW-183	09/25/2001	PROFILE	255.00	255.00	73.90	73.90
G183DGA	MW-183	09/26/2001	PROFILE	265.00	265.00	83.90	83.90
G183DHA	MW-183	09/26/2001	PROFILE	275.00	275.00	93.90	93.90
G183DIA	MW-183	09/26/2001	PROFILE	285.00	285.00	103.90	103.90
G183DJA	MW-183	09/27/2001	PROFILE	295.00	295.00	113.90	113.90
G183DKA	MW-183	09/27/2001	PROFILE	305.00	305.00	123.90	123.90
G183DLA	MW-183	09/27/2001	PROFILE	315.00	315.00	133.90	133.90
G183DMA	MW-183	09/28/2001	PROFILE	325.00	325.00	143.90	143.90

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
9/1/2001-9/30/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G184DAA	MW-184	09/26/2001	PROFILE	150.00	150.00	24.50	24.50
G184DBA	MW-184	09/26/2001	PROFILE	160.00	160.00	34.50	34.50
G184DCA	MW-184	09/26/2001	PROFILE	170.00	170.00	44.50	44.50
G184DDA	MW-184	09/26/2001	PROFILE	180.00	180.00	54.50	54.50
G184DDD	MW-184	09/26/2001	PROFILE	180.00	180.00	54.50	54.50
G184DEA	MW-184	09/26/2001	PROFILE	190.00	190.00	64.50	64.50
G184DFA	MW-184	09/26/2001	PROFILE	200.00	200.00	74.50	74.50
G184DGA	MW-184	09/26/2001	PROFILE	210.00	220.00	84.50	84.50
G184DHA	MW-184	09/26/2001	PROFILE	220.00	220.00	94.50	94.50
G184DIA	MW-184	09/26/2001	PROFILE	230.00	230.00	104.50	104.50
G184DJA	MW-184	09/26/2001	PROFILE	240.00	240.00	114.50	114.50
G184DKA	MW-184	09/26/2001	PROFILE	250.00	250.00	124.50	124.50
G184DLA	MW-184	09/27/2001	PROFILE	260.00	260.00	134.50	134.50
G184DMA	MW-184	09/27/2001	PROFILE	270.00	270.00	144.50	144.50
G184DNA	MW-184	09/27/2001	PROFILE	280.00	280.00	154.50	154.50
G184DOA	MW-184	09/27/2001	PROFILE	290.00	290.00	164.50	164.50
G184DPA	MW-184	09/27/2001	PROFILE	300.00	300.00	174.50	174.50
G184DQA	MW-184	09/27/2001	PROFILE	310.00	310.00	184.50	184.50
G184DQD	MW-184	09/27/2001	PROFILE	310.00	310.00	184.50	184.50
G184DRA	MW-184	09/27/2001	PROFILE	320.00	320.00	194.50	194.50
G184DSA	MW-184	09/27/2001	PROFILE	330.00	330.00	204.50	204.50
G184DTA	MW-184	09/27/2001	PROFILE	340.00	340.00	214.50	214.50
G184DUA	MW-184	09/28/2001	PROFILE	350.00	350.00	224.50	224.50
S179DAA	MW-179	09/19/2001	SOIL BORING	0.00	0.25		
S184DAA	MW-184	09/19/2001	SOIL BORING	0.00	0.25		
HC05DA1AAA	05DA	09/20/2001	SOIL GRID	0.00	0.25		
HC05DA1BAA	05DA	09/20/2001	SOIL GRID	0.25	0.50		
HC05DA1CAA	05DA	09/20/2001	SOIL GRID	0.50	1.00		
HDA09210101AA	A09210101	09/28/2001	SOIL GRID	0.00	0.25		
LKSN0004AAA	LKSN0004	09/19/2001	SURFACE WATER	0.00	1.00		
LKSN0005AAA	LKSN0005	09/19/2001	SURFACE WATER	0.00	1.00		
LKSNP0004AAA	LKSNP0004	09/19/2001	SURFACE WATER	0.00	1.00		
LKSNP0005AAA	LKSNP0005	09/19/2001	SURFACE WATER	0.00	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 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH SEPTEMBER 2001

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

BWTS = DEPTH BELOW WATER TABLE, START DEPTH, MEASURED IN FEET
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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 SEPTEMBER 2001

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

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-153	W153M1A	03/23/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	9.20		UG/L	108.00	118.00	2.00	X
MW-164	W164M2A	05/25/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	12.00		UG/L	119.00	129.00	2.00	X
MW-165	W165M2A	05/08/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	60.00		UG/L	46.00	56.00	2.00	X
MW-166	W166M3A	06/01/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.30		UG/L	19.00	29.00	2.00	X
MW-166	W166M1A	05/31/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.70		UG/L	112.00	117.00	2.00	X
MW-171	W171M2A	05/31/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	83.00	88.00	2.00	X
MW-19	W19SSA	03/05/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	190.00		UG/L	0.00	10.00	2.00	X
MW-19	W19S2A	07/20/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	260.00		UG/L	0.00	10.00	2.00	X
MW-19	W19S2D	07/20/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	260.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	02/12/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	250.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	09/10/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	240.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	05/12/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	150.00	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	05/23/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	160.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	08/08/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	290.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	12/08/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	200.00		UG/L	0.00	10.00	2.00	X
MW-2	W02M2A	01/20/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	13.00		UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	02/03/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.80		UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	09/03/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.80		UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	05/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.30	J	UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	08/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	33.00	38.00	2.00	X
MW-2	W02M2A	11/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	33.00	38.00	2.00	X
MW-2	W2M2A	05/03/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.10		UG/L	33.00	38.00	2.00	X
MW-2	W02M1A	08/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	75.00	80.00	2.00	X
MW-23	W23M1A	11/07/1997	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.30	J	UG/L	103.00	113.00	2.00	X
MW-23	W23M1A	03/18/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.40		UG/L	103.00	113.00	2.00	X
MW-23	W23M1D	03/18/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.70		UG/L	103.00	113.00	2.00	X
MW-23	W23M1A	09/13/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.10		UG/L	103.00	113.00	2.00	X
MW-23	W23M1A	05/12/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.60	J	UG/L	103.00	113.00	2.00	X
MW-23	W23M1A	08/08/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.30		UG/L	103.00	113.00	2.00	X
MW-23	W23M1A	12/04/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.00		UG/L	103.00	113.00	2.00	X
MW-23	W23M1D	12/04/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.20		UG/L	103.00	113.00	2.00	X
MW-23	W23M1A	04/27/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.90		UG/L	103.00	113.00	2.00	X
MW-25	W25SSA	10/16/1997	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.00		UG/L	0.00	10.00	2.00	X
MW-25	W25SSA	03/17/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	0.00	10.00	2.00	X
MW-31	W31SSA	07/15/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	64.00		UG/L	13.00	18.00	2.00	X

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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 SEPTEMBER 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-31	W31SSA	02/01/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	210.00		UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	09/15/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	50.00		UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	05/15/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	110.00		UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	08/09/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	140.00		UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	12/08/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	120.00		UG/L	13.00	18.00	2.00	X
MW-31	W31SSA	05/02/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	81.00		UG/L	13.00	18.00	2.00	X
MW-31	W31MMA	07/15/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	280.00		UG/L	28.00	38.00	2.00	X
MW-31	W31MMA	02/02/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	370.00		UG/L	28.00	38.00	2.00	X
MW-31	W31MMA	09/15/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	28.00	38.00	2.00	X
MW-31	W31M1A	05/15/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	19.00		UG/L	28.00	38.00	2.00	X
MW-31	W31M1A	08/09/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	14.00		UG/L	28.00	38.00	2.00	X
MW-31	W31MMA	05/23/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	70.00		UG/L	28.00	38.00	2.00	X
MW-31	W31DDA	08/09/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	150.00		UG/L	48.00	53.00	2.00	X
MW-34	W34M2A	02/19/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.20		UG/L	53.00	63.00	2.00	X
MW-34	W34M2A	05/18/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.70		UG/L	53.00	63.00	2.00	X
MW-34	W34M2A	08/10/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.10		UG/L	53.00	63.00	2.00	X
MW-34	W34M2A	11/17/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	53.00	63.00	2.00	X
MW-34	W34M1A	05/17/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20		UG/L	73.00	83.00	2.00	X
MW-34	W34M1A	08/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.00		UG/L	73.00	83.00	2.00	X
MW-34	W34M1A	11/17/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.50		UG/L	73.00	83.00	2.00	X
MW-37	W37M2A	09/29/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.90		UG/L	26.00	36.00	2.00	X
MW-37	W37M2A	12/29/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.60		UG/L	26.00	36.00	2.00	X
MW-37	W37M2A	03/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.10		UG/L	26.00	36.00	2.00	X
MW-37	W37M2A	08/31/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.80	J	UG/L	26.00	36.00	2.00	X
MW-37	W37M2A	11/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	26.00	36.00	2.00	X
MW-37	W37M2D	11/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	26.00	36.00	2.00	X
MW-38	W38M3A	05/06/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	08/18/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.60		UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	11/10/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.00		UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	05/16/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.90	J	UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	08/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.60		UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	11/20/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	52.00	62.00	2.00	X
MW-38	W38M3A	04/30/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.30	J	UG/L	52.00	62.00	2.00	X
MW-40	W40M1A	09/21/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.80		UG/L	13.00	23.00	2.00	X
MW-40	W40M1D	09/21/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.60		UG/L	13.00	23.00	2.00	X

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-40	W40M1A	12/30/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.00	J	UG/L	13.00	23.00	2.00	X
MW-40	W40M1A	04/14/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.00	J	UG/L	13.00	23.00	2.00	X
MW-40	W40M1A	09/01/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40	J	UG/L	13.00	23.00	2.00	X
MW-40	W40M1A	11/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	13.00	23.00	2.00	X
MW-40	W40M1A	06/02/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.10		UG/L	13.00	23.00	2.00	X
MW-58	W58SSA	11/23/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.70	J	UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	02/15/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.00		UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	05/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.40	J	UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	09/05/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.10		UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	12/20/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.10		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	07/09/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	50.00	J	UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	09/16/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	63.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	11/02/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	57.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	06/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	44.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	09/05/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	11/14/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	28.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSD	11/14/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	0.00	10.00	2.00	X
MW-76	W76SSA	01/20/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	11.00		UG/L	18.00	28.00	2.00	X
MW-76	W76SSA	05/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.50	J	UG/L	18.00	28.00	2.00	X
MW-76	W76SSA	08/01/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	18.00	28.00	2.00	X
MW-76	W76SSA	05/07/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.10		UG/L	18.00	28.00	2.00	X
MW-76	W76M2A	01/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	31.00		UG/L	38.00	48.00	2.00	X
MW-76	W76M2D	01/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	38.00	48.00	2.00	X
MW-76	W76M2A	05/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	37.00	J	UG/L	38.00	48.00	2.00	X
MW-76	W76M2A	08/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	31.00		UG/L	38.00	48.00	2.00	X
MW-76	W76M2A	12/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	46.00		UG/L	38.00	48.00	2.00	X
MW-76	W76M2A	05/07/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	56.00		UG/L	38.00	48.00	2.00	X
MW-76	W76M1A	12/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.30		UG/L	58.00	68.00	2.00	X
MW-76	W76M1A	05/07/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	28.00		UG/L	58.00	68.00	2.00	X
MW-77	W77M2A	01/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	150.00		UG/L	38.00	48.00	2.00	X
MW-77	W77M2A	05/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	100.00	J	UG/L	38.00	48.00	2.00	X
MW-77	W77M2A	08/01/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	97.00	J	UG/L	38.00	48.00	2.00	X
MW-77	W77M2A	12/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	93.00		UG/L	38.00	48.00	2.00	X
MW-85	W85M1A	05/22/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	22.00	32.00	2.00	X
MW-85	W85M1A	02/10/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	24.00		UG/L	22.00	32.00	2.00	X

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-86	W86SSA	04/28/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50	J	UG/L	1.00	11.00	2.00	X
MW-87	W87M1A	04/28/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.50	J	UG/L	62.00	72.00	2.00	X
MW-87	W87M1A	09/14/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.00		UG/L	62.00	72.00	2.00	X
MW-87	W87M1A	01/10/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.60		UG/L	62.00	72.00	2.00	X
MW-88	W88M2A	05/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.00		UG/L	72.00	82.00	2.00	X
MW-88	W88M2A	09/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.70		UG/L	72.00	82.00	2.00	X
MW-88	W88M2A	01/10/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.80		UG/L	72.00	82.00	2.00	X
MW-89	W89M2A	05/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.30		UG/L	72.00	82.00	2.00	X
MW-89	W89M2A	09/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.30		UG/L	72.00	82.00	2.00	X
MW-89	W89M2A	01/11/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.50		UG/L	72.00	82.00	2.00	X
MW-90	W90SSA	05/19/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.40	J	UG/L	0.00	10.00	2.00	X
MW-90	W90M1A	10/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	27.00	37.00	2.00	X
MW-91	W91SSA	05/19/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	12.00		UG/L	0.00	10.00	2.00	X
MW-91	W91SSA	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	13.00		UG/L	0.00	10.00	2.00	X
MW-91	W91SSA	01/20/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	12.00		UG/L	0.00	10.00	2.00	X
MW-91	W91M1A	05/22/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	18.00		UG/L	45.00	55.00	2.00	X
MW-91	W91M1A	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	11.00		UG/L	45.00	55.00	2.00	X
MW-91	W91M1D	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	11.00		UG/L	45.00	55.00	2.00	X
MW-91	W91M1A	01/20/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	12.00		UG/L	45.00	55.00	2.00	X
MW-93	W93M2A	05/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.20		UG/L	16.00	26.00	2.00	X
MW-93	W93M2A	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.20		UG/L	16.00	26.00	2.00	X
MW-93	W93M2A	01/20/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10	J	UG/L	16.00	26.00	2.00	X
MW-93	W93M1A	05/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20	J	UG/L	56.00	66.00	2.00	X
MW-93	W93M1A	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	56.00	66.00	2.00	X
MW-93	W93M1A	01/22/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40	J	UG/L	56.00	66.00	2.00	X
MW-93	W93M1D	01/22/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	56.00	66.00	2.00	X
MW-95	W95M1A	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20		UG/L	78.00	88.00	2.00	X
MW-98	W98M1A	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.10		UG/L	26.00	36.00	2.00	X
MW-99	W99M1A	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.90		UG/L	60.00	70.00	2.00	X
MW-99	W99M1D	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.90		UG/L	60.00	70.00	2.00	X
MW-99	W99M1A	09/29/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.00		UG/L	60.00	70.00	2.00	X
MW-99	W99M1A	01/13/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.20		UG/L	60.00	70.00	2.00	X
MW-23	W23M1A	07/30/2001	8330NX	HEXAHYDRO-1,3,5-TRINITRO	5.30		UG/L	103.00	113.00	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

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
90MW0054	90MW0054AA	01/30/2001	E314.0	PERCHLORATE	9.00		UG/L	91.83	96.83	1.50	X
90MW0054	90MW0054AD	01/30/2001	E314.0	PERCHLORATE	10.00		UG/L	91.83	96.83	1.50	X
MW-101	W101M1A	01/20/2001	E314.0	PERCHLORATE	3.00	J	UG/L	27.00	37.00	1.50	X
MW-114	W114M2A	12/29/2000	E314.0	PERCHLORATE	300.00		UG/L	39.00	49.00	1.50	X
MW-114	W114M2A	03/14/2001	E314.0	PERCHLORATE	260.00		UG/L	39.00	49.00	1.50	X
MW-114	W114M1A	12/28/2000	E314.0	PERCHLORATE	11.00		UG/L	96.00	106.00	1.50	X
MW-114	W114M1A	03/14/2001	E314.0	PERCHLORATE	13.00		UG/L	96.00	106.00	1.50	X
MW-114	W114M1A	06/18/2001	E314.0	PERCHLORATE	10.00		UG/L	96.00	106.00	1.50	X
MW-125	W125M1A	02/20/2001	E314.0	PERCHLORATE	3.00	J	UG/L	182.00	192.00	1.50	X
MW-127	W127SSA	02/14/2001	E314.0	PERCHLORATE	4.00	J	UG/L	0.00	10.00	1.50	X
MW-128	W128SSA	02/14/2001	E314.0	PERCHLORATE	3.00	J	UG/L	0.00	10.00	1.50	X
MW-129	W129M2A	03/14/2001	E314.0	PERCHLORATE	6.00		UG/L	46.00	56.00	1.50	X
MW-129	W129M1A	01/02/2001	E314.0	PERCHLORATE	10.00		UG/L	66.00	76.00	1.50	X
MW-129	W129M1A	03/14/2001	E314.0	PERCHLORATE	9.00		UG/L	66.00	76.00	1.50	X
MW-130	W130SSA	02/14/2001	E314.0	PERCHLORATE	3.00	J	UG/L	0.00	10.00	1.50	X
MW-130	W130SSA	06/14/2001	E314.0	PERCHLORATE	3.00	J	UG/L	0.00	10.00	1.50	X
MW-130	W130SSD	06/14/2001	E314.0	PERCHLORATE	3.00	J	UG/L	0.00	10.00	1.50	X
MW-132	W132SSA	11/09/2000	E314.0	PERCHLORATE	39.00	J	UG/L	0.00	10.00	1.50	X
MW-132	W132SSA	02/16/2001	E314.0	PERCHLORATE	65.00		UG/L	0.00	10.00	1.50	X
MW-132	W132SSA	06/15/2001	E314.0	PERCHLORATE	75.00		UG/L	0.00	10.00	1.50	X
MW-139	W139M2A	12/29/2000	E314.0	PERCHLORATE	8.00		UG/L	70.00	80.00	1.50	X
MW-139	W139M2A	03/15/2001	E314.0	PERCHLORATE	11.00	J	UG/L	70.00	80.00	1.50	X
MW-158	W158SSA	06/12/2001	E314.0	PERCHLORATE	2.00	J	UG/L	2.00	12.00	1.50	X
MW-163	W163SSA	06/14/2001	E314.0	PERCHLORATE	67.00		UG/L	0.00	10.00	1.50	X
MW-165	W165M2A	05/08/2001	E314.0	PERCHLORATE	122.00	J	UG/L	46.00	56.00	1.50	X
MW-19	W19SSA	08/08/2000	E314.0	PERCHLORATE	5.00	J	UG/L	0.00	10.00	1.50	X
MW-19	W19SSA	12/08/2000	E314.0	PERCHLORATE	12.00		UG/L	0.00	10.00	1.50	X
MW-19	W19SSA	06/18/2001	E314.0	PERCHLORATE	41.00		UG/L	0.00	10.00	1.50	X
MW-31	W31SSA	08/09/2000	E314.0	PERCHLORATE	40.00	J	UG/L	13.00	18.00	1.50	X
MW-31	W31SSA	12/08/2000	E314.0	PERCHLORATE	30.00		UG/L	13.00	18.00	1.50	X
MW-31	W31SSA	05/02/2001	E314.0	PERCHLORATE	20.00	J	UG/L	13.00	18.00	1.50	X
MW-31	W31M1A	08/09/2000	E314.0	PERCHLORATE	50.00	J	UG/L	28.00	38.00	1.50	X
MW-31	W31MMA	05/23/2001	E314.0	PERCHLORATE	19.00		UG/L	28.00	38.00	1.50	X
MW-34	W34M2A	08/10/2000	E314.0	PERCHLORATE	60.00	J	UG/L	53.00	63.00	1.50	X
MW-34	W34M2A	12/18/2000	E314.0	PERCHLORATE	34.00		UG/L	53.00	63.00	1.50	X

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-34	W34M2A	05/01/2001	E314.0	PERCHLORATE	28.00	J	UG/L	53.00	63.00	1.50	X
MW-34	W34M1A	12/18/2000	E314.0	PERCHLORATE	109.00		UG/L	73.00	83.00	1.50	X
MW-34	W34M1A	05/05/2001	E314.0	PERCHLORATE	46.00		UG/L	73.00	83.00	1.50	X
MW-35	W35M1A	05/04/2001	E314.0	PERCHLORATE	4.00	J	UG/L	68.00	78.00	1.50	X
MW-35	W35M1A	08/03/2001	E314.0	PERCHLORATE	5.40		UG/L	68.00	78.00	1.50	X
MW-66	W66SSA	08/13/2001	E314.0	PERCHLORATE	1.90	J	UG/L	1.00	11.00	1.50	X
MW-73	W73SSD	12/19/2000	E314.0	PERCHLORATE	6.00		UG/L	0.00	10.00	1.50	X
MW-73	W73SSA	06/14/2001	E314.0	PERCHLORATE	10.00		UG/L	0.00	10.00	1.50	X
MW-75	W75M2A	05/09/2001	E314.0	PERCHLORATE	9.00	J	UG/L	34.00	44.00	1.50	X
MW-75	W75M2D	05/09/2001	E314.0	PERCHLORATE	9.00	J	UG/L	34.00	44.00	1.50	X
MW-76	W76SSA	12/07/2000	E314.0	PERCHLORATE	5.00		UG/L	18.00	28.00	1.50	X
MW-76	W76SSA	05/07/2001	E314.0	PERCHLORATE	7.00		UG/L	18.00	28.00	1.50	X
MW-76	W76M2A	12/06/2000	E314.0	PERCHLORATE	11.00		UG/L	38.00	48.00	1.50	X
MW-76	W76M2A	05/07/2001	E314.0	PERCHLORATE	17.00		UG/L	38.00	48.00	1.50	X
MW-76	W76M1A	05/07/2001	E314.0	PERCHLORATE	8.00		UG/L	58.00	68.00	1.50	X
MW-77	W77M2A	12/06/2000	E314.0	PERCHLORATE	28.00		UG/L	38.00	48.00	1.50	X
MW-77	W77M2A	05/10/2001	E314.0	PERCHLORATE	16.00	J	UG/L	38.00	48.00	1.50	X
MW-78	W78M2A	12/06/2000	E314.0	PERCHLORATE	19.00		UG/L	38.00	48.00	1.50	X
MW-78	W78M2A	05/10/2001	E314.0	PERCHLORATE	9.00	J	UG/L	38.00	48.00	1.50	X
MW-78	W78M2A	08/15/2001	E314.0	PERCHLORATE	11.40		UG/L	38.00	48.00	1.50	X
MW-91	W91SSA	01/20/2001	E314.0	PERCHLORATE	5.00	J	UG/L	0.00	10.00	1.50	X
MW-93	W93M1D	01/20/2001	E314.0	PERCHLORATE	2.00	J	UG/L	56.00	66.00	1.50	X
MW-1	W01SSA	09/07/1999	IM40MB	ANTIMONY	6.70	J	UG/L	0.00	10.00	6.00	X
MW-3	W03DDL	03/06/1998	IM40MB	ANTIMONY	13.80	J	UG/L	219.00	224.00	6.00	X
MW-34	W34M2A	08/16/1999	IM40MB	ANTIMONY	6.60	J	UG/L	53.00	63.00	6.00	X
MW-35	W35SSA	08/19/1999	IM40MB	ANTIMONY	6.90	J	UG/L	0.00	10.00	6.00	X
MW-35	W35SSD	08/19/1999	IM40MB	ANTIMONY	13.80	J	UG/L	0.00	10.00	6.00	X
MW-36	W36SSA	08/17/1999	IM40MB	ANTIMONY	6.70	J	UG/L	0.00	10.00	6.00	X
MW-38	W38SSA	08/18/1999	IM40MB	ANTIMONY	7.40		UG/L	0.00	10.00	6.00	X
MW-38	W38M3A	08/18/1999	IM40MB	ANTIMONY	6.60	J	UG/L	52.00	62.00	6.00	X
MW-38	W38DDA	08/17/1999	IM40MB	ANTIMONY	6.90	J	UG/L	124.00	134.00	6.00	X
MW-39	W39M1A	08/18/1999	IM40MB	ANTIMONY	7.50		UG/L	84.00	94.00	6.00	X
MW-50	W50M1A	05/15/2000	IM40MB	ANTIMONY	9.50		UG/L	89.00	99.00	6.00	X
PPAWSMW-3	PPAWSMW-3	08/12/1999	IM40MB	ANTIMONY	6.00	J	UG/L	0.00	10.00	6.00	X
MW-7	W07M1A	09/07/1999	IM40MB	ARSENIC	52.80		UG/L	135.00	140.00	50.00	X

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1997 THROUGH SEPTEMBER 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-52	W52M3L	08/27/1999	IM40MB	CADMIUM	12.20		UG/L	59.00	64.00	5.00	X
MW-7	W07M1A	09/07/1999	IM40MB	CHROMIUM, TOTAL	114.00		UG/L	135.00	140.00	100.00	X
ASPWELL	ASPWELL	05/24/2001	IM40MB	LEAD	30.40		UG/L	0.00	0.00	15.00	X
MW-2	W02SSA	02/23/1998	IM40MB	LEAD	20.10		UG/L	0.00	10.00	15.00	X
MW-7	W07M1A	09/07/1999	IM40MB	LEAD	40.20		UG/L	135.00	140.00	15.00	X
MW-7	W07M1D	09/07/1999	IM40MB	LEAD	18.30		UG/L	135.00	140.00	15.00	X
MW-13	W13SSA	01/27/1998	IM40MB	MOLYBDENUM	11.20		UG/L	0.00	10.00	10.00	X
MW-13	W13SSL	01/27/1998	IM40MB	MOLYBDENUM	10.40	J	UG/L	0.00	10.00	10.00	X
MW-13	W13DDA	01/26/1998	IM40MB	MOLYBDENUM	26.60		UG/L	145.00	150.00	10.00	X
MW-13	W13DDL	01/26/1998	IM40MB	MOLYBDENUM	30.40		UG/L	145.00	150.00	10.00	X
MW-13	W13DDA	03/11/1999	IM40MB	MOLYBDENUM	11.00		UG/L	145.00	150.00	10.00	X
MW-13	W13DDD	03/11/1999	IM40MB	MOLYBDENUM	12.10	J	UG/L	145.00	150.00	10.00	X
MW-13	W13DDA	09/09/1999	IM40MB	MOLYBDENUM	17.30		UG/L	145.00	150.00	10.00	X
MW-13	W13DDA	05/17/2000	IM40MB	MOLYBDENUM	17.00		UG/L	145.00	150.00	10.00	X
MW-13	W13DDD	05/17/2000	IM40MB	MOLYBDENUM	16.80		UG/L	145.00	150.00	10.00	X
MW-13	W13DDA	12/15/2000	IM40MB	MOLYBDENUM	11.70		UG/L	145.00	150.00	10.00	X
MW-16	W16SSA	03/10/1999	IM40MB	MOLYBDENUM	21.00	J	UG/L	0.00	10.00	10.00	X
MW-16	W16DDA	03/09/1999	IM40MB	MOLYBDENUM	22.20		UG/L	223.00	228.00	10.00	X
MW-16	W16DDD	03/09/1999	IM40MB	MOLYBDENUM	23.20		UG/L	223.00	228.00	10.00	X
MW-16	W16DDA	09/09/1999	IM40MB	MOLYBDENUM	18.00	J	UG/L	223.00	228.00	10.00	X
MW-16	W16DDA	05/17/2000	IM40MB	MOLYBDENUM	12.20		UG/L	223.00	228.00	10.00	X
MW-16	W16DDA	08/03/2000	IM40MB	MOLYBDENUM	12.40		UG/L	223.00	228.00	10.00	X
MW-16	W16DDA	11/16/2000	IM40MB	MOLYBDENUM	16.80		UG/L	223.00	228.00	10.00	X
MW-16	W16DDA	05/18/2001	IM40MB	MOLYBDENUM	15.00		UG/L	223.00	228.00	10.00	X
MW-17	W17M1L	05/18/1999	IM40MB	MOLYBDENUM	12.60		UG/L	96.00	106.00	10.00	X
MW-2	W02SSA	02/23/1998	IM40MB	MOLYBDENUM	72.10		UG/L	0.00	10.00	10.00	X
MW-2	W02SSL	02/23/1998	IM40MB	MOLYBDENUM	63.30		UG/L	0.00	10.00	10.00	X
MW-2	W02SSA	02/01/1999	IM40MB	MOLYBDENUM	26.10	J	UG/L	0.00	10.00	10.00	X
MW-2	W02SSL	02/01/1999	IM40MB	MOLYBDENUM	34.00		UG/L	0.00	10.00	10.00	X
MW-2	W02SSA	09/02/1999	IM40MB	MOLYBDENUM	29.00		UG/L	0.00	10.00	10.00	X
MW-2	W02SSL	09/02/1999	IM40MB	MOLYBDENUM	27.10		UG/L	0.00	10.00	10.00	X
MW-2	W02DDA	02/02/1999	IM40MB	MOLYBDENUM	25.60		UG/L	218.00	223.00	10.00	X
MW-2	W02DDL	02/02/1999	IM40MB	MOLYBDENUM	26.30	J	UG/L	218.00	223.00	10.00	X
MW-2	W02DDA	09/03/1999	IM40MB	MOLYBDENUM	12.80		UG/L	218.00	223.00	10.00	X
MW-45	W45SSA	05/29/2000	IM40MB	MOLYBDENUM	10.40		UG/L	0.00	10.00	10.00	X

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MW-45	W45SSA	12/27/2000	IM40MB	MOLYBDENUM	10.30		UG/L	0.00	10.00	10.00	X
MW-46	W46M2A	03/30/1999	IM40MB	MOLYBDENUM	48.90		UG/L	56.00	66.00	10.00	X
MW-46	W46M2L	03/30/1999	IM40MB	MOLYBDENUM	51.00		UG/L	56.00	66.00	10.00	X
MW-46	W46M2A	08/24/1999	IM40MB	MOLYBDENUM	17.40		UG/L	56.00	66.00	10.00	X
MW-46	W46M1A	03/29/1999	IM40MB	MOLYBDENUM	32.80		UG/L	103.00	113.00	10.00	X
MW-46	W46DDA	04/01/1999	IM40MB	MOLYBDENUM	17.20		UG/L	136.00	146.00	10.00	X
MW-47	W47M3A	03/29/1999	IM40MB	MOLYBDENUM	43.10		UG/L	21.00	31.00	10.00	X
MW-47	W47M3L	03/29/1999	IM40MB	MOLYBDENUM	40.50		UG/L	21.00	31.00	10.00	X
MW-47	W47M2A	03/26/1999	IM40MB	MOLYBDENUM	11.00		UG/L	38.00	48.00	10.00	X
MW-48	W48M1A	11/23/1999	IM40MB	MOLYBDENUM	17.90		UG/L	91.00	101.00	10.00	X
MW-5	W05DDA	02/13/1998	IM40MB	MOLYBDENUM	28.30		UG/L	223.00	228.00	10.00	X
MW-5	W05DDL	02/13/1998	IM40MB	MOLYBDENUM	26.60		UG/L	223.00	228.00	10.00	X
MW-50	W50M2A	04/26/1999	IM40MB	MOLYBDENUM	20.60		UG/L	59.00	69.00	10.00	X
MW-50	W50M1A	04/27/1999	IM40MB	MOLYBDENUM	11.80		UG/L	89.00	99.00	10.00	X
MW-52	W52M3A	04/07/1999	IM40MB	MOLYBDENUM	72.60		UG/L	59.00	64.00	10.00	X
MW-52	W52M3L	04/07/1999	IM40MB	MOLYBDENUM	67.60		UG/L	59.00	64.00	10.00	X
MW-52	W52M3A	08/27/1999	IM40MB	MOLYBDENUM	23.40		UG/L	59.00	64.00	10.00	X
MW-52	W52M3L	08/27/1999	IM40MB	MOLYBDENUM	23.10		UG/L	59.00	64.00	10.00	X
MW-52	W52M3L	11/08/1999	IM40MB	MOLYBDENUM	10.50		UG/L	59.00	64.00	10.00	X
MW-52	W52M2A	04/29/1999	IM40MB	MOLYBDENUM	15.30		UG/L	74.00	84.00	10.00	X
MW-52	W52M2L	04/29/1999	IM40MB	MOLYBDENUM	18.50		UG/L	74.00	84.00	10.00	X
MW-52	W52DDA	04/02/1999	IM40MB	MOLYBDENUM	51.10		UG/L	218.00	228.00	10.00	X
MW-52	W52DDL	04/02/1999	IM40MB	MOLYBDENUM	48.90		UG/L	218.00	228.00	10.00	X
MW-52	W52DDA	08/30/1999	IM40MB	MOLYBDENUM	28.30		UG/L	218.00	228.00	10.00	X
MW-52	W52DDL	08/30/1999	IM40MB	MOLYBDENUM	26.80		UG/L	218.00	228.00	10.00	X
MW-52	W52DDA	11/09/1999	IM40MB	MOLYBDENUM	22.70		UG/L	218.00	228.00	10.00	X
MW-52	W52DDA	05/22/2000	IM40MB	MOLYBDENUM	12.20		UG/L	218.00	228.00	10.00	X
MW-52	W52DDA	08/17/2000	IM40MB	MOLYBDENUM	10.10		UG/L	218.00	228.00	10.00	X
MW-53	W53SSA	02/17/1999	IM40MB	MOLYBDENUM	24.90		UG/L	0.00	10.00	10.00	X
MW-53	W53SSL	02/17/1999	IM40MB	MOLYBDENUM	27.60		UG/L	0.00	10.00	10.00	X
MW-53	W53M1A	05/03/1999	IM40MB	MOLYBDENUM	122.00		UG/L	99.00	109.00	10.00	X
MW-53	W53M1L	05/03/1999	IM40MB	MOLYBDENUM	132.00		UG/L	99.00	109.00	10.00	X
MW-53	W53M1A	08/30/1999	IM40MB	MOLYBDENUM	55.20		UG/L	99.00	109.00	10.00	X
MW-53	W53M1L	08/30/1999	IM40MB	MOLYBDENUM	54.10		UG/L	99.00	109.00	10.00	X
MW-53	W53M1A	11/05/1999	IM40MB	MOLYBDENUM	41.20		UG/L	99.00	109.00	10.00	X

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-53	W53M1L	11/05/1999	IM40MB	MOLYBDENUM	38.20		UG/L	99.00	109.00	10.00	X
MW-53	W53M1A	06/01/2000	IM40MB	MOLYBDENUM	10.30	J	UG/L	99.00	109.00	10.00	X
MW-53	W53DDA	02/18/1999	IM40MB	MOLYBDENUM	15.90		UG/L	158.00	168.00	10.00	X
MW-53	W53DDL	02/18/1999	IM40MB	MOLYBDENUM	17.40		UG/L	158.00	168.00	10.00	X
MW-53	W53DDA	08/30/1999	IM40MB	MOLYBDENUM	11.50		UG/L	158.00	168.00	10.00	X
MW-54	W54SSA	04/30/1999	IM40MB	MOLYBDENUM	56.70		UG/L	0.00	10.00	10.00	X
MW-54	W54SSL	04/30/1999	IM40MB	MOLYBDENUM	66.20		UG/L	0.00	10.00	10.00	X
MW-54	W54SSA	08/27/1999	IM40MB	MOLYBDENUM	61.40		UG/L	0.00	10.00	10.00	X
MW-54	W54SSA	11/08/1999	IM40MB	MOLYBDENUM	25.50		UG/L	0.00	10.00	10.00	X
MW-54	W54M2A	05/04/1999	IM40MB	MOLYBDENUM	11.20		UG/L	59.00	69.00	10.00	X
MW-54	W54M2L	05/04/1999	IM40MB	MOLYBDENUM	13.10		UG/L	59.00	69.00	10.00	X
MW-54	W54M2A	08/27/1999	IM40MB	MOLYBDENUM	43.70		UG/L	59.00	69.00	10.00	X
MW-54	W54M2L	08/27/1999	IM40MB	MOLYBDENUM	43.20		UG/L	59.00	69.00	10.00	X
MW-54	W54M2A	11/08/1999	IM40MB	MOLYBDENUM	14.50		UG/L	59.00	69.00	10.00	X
MW-54	W54M1A	04/30/1999	IM40MB	MOLYBDENUM	11.80		UG/L	79.00	89.00	10.00	X
MW-54	W54DDA	05/05/1999	IM40MB	MOLYBDENUM	17.50		UG/L	127.00	137.00	10.00	X
MW-55	W55SSA	05/17/1999	IM40MB	MOLYBDENUM	15.90		UG/L	0.00	10.00	10.00	X
MW-55	W55M2A	05/14/1999	IM40MB	MOLYBDENUM	21.80		UG/L	59.00	69.00	10.00	X
MW-55	W55M1A	05/13/1999	IM40MB	MOLYBDENUM	12.50		UG/L	89.00	99.00	10.00	X
MW-55	W55DDA	05/13/1999	IM40MB	MOLYBDENUM	22.60		UG/L	119.00	129.00	10.00	X
MW-55	W55DDA	08/30/1999	IM40MB	MOLYBDENUM	14.20		UG/L	119.00	129.00	10.00	X
MW-55	W55DDA	11/08/1999	IM40MB	MOLYBDENUM	11.00		UG/L	119.00	129.00	10.00	X
MW-57	W57SSA	12/21/1999	IM40MB	MOLYBDENUM	15.20		UG/L	0.00	10.00	10.00	X
MW-57	W57SSD	12/21/1999	IM40MB	MOLYBDENUM	16.30		UG/L	0.00	10.00	10.00	X
MW-57	W57SSA	03/22/2000	IM40MB	MOLYBDENUM	10.30	J	UG/L	0.00	10.00	10.00	X
MW-57	W57SSD	03/22/2000	IM40MB	MOLYBDENUM	10.10	J	UG/L	0.00	10.00	10.00	X
MW-57	W57M3A	12/13/1999	IM40MB	MOLYBDENUM	21.90		UG/L	31.00	41.00	10.00	X
MW-57	W57M2A	03/22/2000	IM40MB	MOLYBDENUM	10.80	J	UG/L	62.00	72.00	10.00	X
MW-57	W57DDA	12/13/1999	IM40MB	MOLYBDENUM	18.60		UG/L	127.00	137.00	10.00	X
MW-57	W57DDL	12/13/1999	IM40MB	MOLYBDENUM	17.80		UG/L	127.00	137.00	10.00	X
MW-63	W63SSA	09/21/1999	IM40MB	MOLYBDENUM	12.70		UG/L	0.00	10.00	10.00	X
MW-63	W63SSL	09/21/1999	IM40MB	MOLYBDENUM	11.10		UG/L	0.00	10.00	10.00	X
MW-7	W07M1A	09/07/1999	IM40MB	MOLYBDENUM	10.20		UG/L	135.00	140.00	10.00	X
MW-81	W81M1A	10/13/1999	IM40MB	MOLYBDENUM	24.30		UG/L	100.00	110.00	10.00	X
MW-81	W81M1L	10/13/1999	IM40MB	MOLYBDENUM	22.10		UG/L	100.00	110.00	10.00	X

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-81	W81DDA	08/17/2000	IM40MB	MOLYBDENUM	10.10		UG/L	156.00	166.00	10.00	X
MW-82	W82DDA	10/13/1999	IM40MB	MOLYBDENUM	15.40		UG/L	97.00	107.00	10.00	X
MW-82	W82DDL	10/13/1999	IM40MB	MOLYBDENUM	14.40		UG/L	97.00	107.00	10.00	X
MW-83	W83DDA	10/12/1999	IM40MB	MOLYBDENUM	13.40		UG/L	109.00	119.00	10.00	X
15MW0002	15MW0002	04/08/1999	IM40MB	SODIUM	37,600.00		UG/L	0.00	10.00	20,000.00	X
90WT0010	90WT0010	06/05/2000	IM40MB	SODIUM	23,600.00		UG/L	2.00	12.00	20,000.00	X
90WT0010	90WT0010-L	06/05/2000	IM40MB	SODIUM	24,200.00		UG/L	2.00	12.00	20,000.00	X
90WT0015	90WT0015	04/23/1999	IM40MB	SODIUM	34,300.00		UG/L	0.00	10.00	20,000.00	X
ASPWELL	ASPWELL	05/24/2001	IM40MB	SODIUM	24,900.00		UG/L	0.00	0.00	20,000.00	X
MW-145	W145SSA	02/12/2001	IM40MB	SODIUM	37,000.00		UG/L	97.00	107.00	20,000.00	X
MW-16	W16SSA	11/17/1997	IM40MB	SODIUM	20,900.00		UG/L	0.00	10.00	20,000.00	X
MW-16	W16SSL	11/17/1997	IM40MB	SODIUM	20,400.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02SSA	02/23/1998	IM40MB	SODIUM	27,200.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02SSL	02/23/1998	IM40MB	SODIUM	26,300.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02SSA	02/01/1999	IM40MB	SODIUM	20,300.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02SSL	02/01/1999	IM40MB	SODIUM	20,100.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02DDA	11/19/1997	IM40MB	SODIUM	21,500.00		UG/L	218.00	223.00	20,000.00	X
MW-2	W02DDL	11/19/1997	IM40MB	SODIUM	22,600.00		UG/L	218.00	223.00	20,000.00	X
MW-21	W21SSA	10/24/1997	IM40MB	SODIUM	24,000.00		UG/L	0.00	10.00	20,000.00	X
MW-21	W21SSL	10/24/1997	IM40MB	SODIUM	24,200.00		UG/L	0.00	10.00	20,000.00	X
MW-21	W21SSA	11/15/2000	IM40MB	SODIUM	22,500.00		UG/L	0.00	10.00	20,000.00	X
MW-46	W46SSA	08/25/1999	IM40MB	SODIUM	20,600.00		UG/L	0.00	10.00	20,000.00	X
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

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-57	W57M1A	08/29/2000	IM40MB	SODIUM	20,100.00		UG/L	102.00	112.00	20,000.00	X
SDW261160	WG160L	01/07/1998	IM40MB	SODIUM	20,600.00		UG/L	10.00	20.00	20,000.00	X
SDW261160	WG160A	01/13/1999	IM40MB	SODIUM	27,200.00		UG/L	10.00	20.00	20,000.00	X
SDW261160	WG160L	01/13/1999	IM40MB	SODIUM	28,200.00		UG/L	10.00	20.00	20,000.00	X
03MW0006	03MW0006	04/15/1999	IM40MB	THALLIUM	2.60	J	UG/L	0.00	10.00	2.00	X
03MW0022A	03MW0022A	04/16/1999	IM40MB	THALLIUM	3.90		UG/L	71.00	76.00	2.00	X
03MW0027A	03MW0027A	04/14/1999	IM40MB	THALLIUM	2.00	J	UG/L	64.00	69.00	2.00	X
11MW0004	11MW0004	04/16/1999	IM40MB	THALLIUM	2.30	J	UG/L	0.00	10.00	2.00	X
27MW0020Z	27MW0020Z	04/16/1999	IM40MB	THALLIUM	2.70	J	UG/L	98.00	103.00	2.00	X
90MW0038	90MW0038	04/21/1999	IM40MB	THALLIUM	4.40	J	UG/L	29.00	34.00	2.00	X
90WT0010	WF10XA	01/16/1998	IM40MB	THALLIUM	6.50	J	UG/L	2.00	12.00	2.00	X
LRWS1-4	WL14XA	01/07/1999	IM40MB	THALLIUM	5.20	J	UG/L	107.00	117.00	2.00	X
MW-1	W01SSA	09/07/1999	IM40MB	THALLIUM	2.90	J	UG/L	0.00	10.00	2.00	X
MW-10	W10DDA	07/25/2001	IM40MB	THALLIUM	6.50	J	UG/L	204.00	214.00	2.00	X
MW-127	W127SSA	11/15/2000	IM40MB	THALLIUM	2.40	J	UG/L	0.00	10.00	2.00	X
MW-13	W13DDA	07/26/2001	IM40MB	THALLIUM	3.40	J	UG/L	145.00	150.00	2.00	X
MW-132	W132SSA	02/16/2001	IM40MB	THALLIUM	2.10	J	UG/L	0.00	10.00	2.00	X
MW-150	W150SSA	03/07/2001	IM40MB	THALLIUM	2.20	J	UG/L	1.00	11.00	2.00	X
MW-18	W18SSA	03/12/1999	IM40MB	THALLIUM	2.30	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	09/10/1999	IM40MB	THALLIUM	3.80	J	UG/L	0.00	10.00	2.00	X
MW-19	W19DDL	02/11/1999	IM40MB	THALLIUM	3.10	J	UG/L	254.00	259.00	2.00	X
MW-2	W02DDD	08/02/2000	IM40MB	THALLIUM	4.90	J	UG/L	218.00	223.00	2.00	X
MW-21	W21SSA	10/24/1997	IM40MB	THALLIUM	6.90	J	UG/L	0.00	10.00	2.00	X
MW-21	W21M2A	11/01/1999	IM40MB	THALLIUM	4.00	J	UG/L	58.00	68.00	2.00	X
MW-23	W23SSA	09/14/1999	IM40MB	THALLIUM	4.70	J	UG/L	0.00	10.00	2.00	X
MW-25	W25SSA	09/14/1999	IM40MB	THALLIUM	5.30	J	UG/L	0.00	10.00	2.00	X
MW-3	W03DDA	12/20/2000	IM40MB	THALLIUM	3.30		UG/L	219.00	224.00	2.00	X
MW-35	W35SSA	12/18/2000	IM40MB	THALLIUM	2.90	J	UG/L	0.00	10.00	2.00	X
MW-37	W37M2A	12/29/1999	IM40MB	THALLIUM	4.90	J	UG/L	26.00	36.00	2.00	X
MW-38	W38M4A	08/18/1999	IM40MB	THALLIUM	2.80	J	UG/L	14.00	24.00	2.00	X
MW-38	W38M2A	05/11/1999	IM40MB	THALLIUM	4.90	J	UG/L	69.00	79.00	2.00	X
MW-39	W39M1A	12/21/2000	IM40MB	THALLIUM	4.00		UG/L	84.00	94.00	2.00	X
MW-41	W41M2A	04/02/1999	IM40MB	THALLIUM	2.50	J	UG/L	67.00	77.00	2.00	X
MW-42	W42M2A	11/19/1999	IM40MB	THALLIUM	4.00	J	UG/L	118.00	128.00	2.00	X
MW-45	W45SSA	05/26/1999	IM40MB	THALLIUM	3.00	J	UG/L	0.00	10.00	2.00	X

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VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH SEPTEMBER 2001

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

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-64	W64M1A	02/07/2000	IM40MB	THALLIUM	4.10	J	UG/L	38.00	48.00	2.00	X
MW-7	W07M2L	02/05/1998	IM40MB	THALLIUM	6.60	J	UG/L	65.00	70.00	2.00	X
MW-7	W07M2A	02/24/1999	IM40MB	THALLIUM	4.40	J	UG/L	65.00	70.00	2.00	X
MW-7	W07MMA	02/23/1999	IM40MB	THALLIUM	4.10	J	UG/L	135.00	140.00	2.00	X
MW-7	W07M1A	09/07/1999	IM40MB	THALLIUM	26.20		UG/L	135.00	140.00	2.00	X
MW-7	W07M1D	09/07/1999	IM40MB	THALLIUM	12.70		UG/L	135.00	140.00	2.00	X
MW-72	W72SSA	05/27/1999	IM40MB	THALLIUM	4.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	12/19/2000	IM40MB	THALLIUM	4.30		UG/L	0.00	10.00	2.00	X
MW-73	W73SSD	12/19/2000	IM40MB	THALLIUM	2.00	J	UG/L	0.00	10.00	2.00	X
MW-83	W83SSA	01/13/2000	IM40MB	THALLIUM	3.60	J	UG/L	0.00	10.00	2.00	X
MW-84	W84SSA	10/21/1999	IM40MB	THALLIUM	3.20	J	UG/L	17.00	27.00	2.00	X
MW-94	W94M2A	01/11/2001	IM40MB	THALLIUM	2.00	J	UG/L	16.00	26.00	2.00	X
PPAWSMW-1	PPAWSMW-1	06/22/1999	IM40MB	THALLIUM	3.10	J	UG/L	10.00	20.00	2.00	X
SMR-2	WSMR2A	03/25/1999	IM40MB	THALLIUM	2.00	J	UG/L	19.00	29.00	2.00	X
95-14	W9514A	09/28/1999	IM40MB	ZINC	2,430.00		UG/L	90.00	120.00	2,000.00	X
95-15	W9515A	10/17/1997	IM40MB	ZINC	7,210.00		UG/L	80.00	92.00	2,000.00	X
95-15	W9515L	10/17/1997	IM40MB	ZINC	4,620.00		UG/L	80.00	92.00	2,000.00	X
LRWS3-1	WL31XA	10/21/1997	IM40MB	ZINC	2,480.00		UG/L	102.00	117.00	2,000.00	X
LRWS3-1	WL31XL	10/21/1997	IM40MB	ZINC	2,410.00		UG/L	102.00	117.00	2,000.00	X
LRWS4-1	WL41XA	11/24/1997	IM40MB	ZINC	3,220.00		UG/L	66.00	91.00	2,000.00	X
LRWS4-1	WL41XL	11/24/1997	IM40MB	ZINC	3,060.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51DL	11/25/1997	IM40MB	ZINC	4,410.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51XA	11/25/1997	IM40MB	ZINC	4,510.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51XD	11/25/1997	IM40MB	ZINC	4,390.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51XL	11/25/1997	IM40MB	ZINC	3,900.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51XA	01/25/1999	IM40MB	ZINC	3,980.00		UG/L	66.00	91.00	2,000.00	X
LRWS5-1	WL51XL	01/25/1999	IM40MB	ZINC	3,770.00		UG/L	66.00	91.00	2,000.00	X
LRWS6-1	WL61XA	11/17/1997	IM40MB	ZINC	3,480.00		UG/L	184.00	199.00	2,000.00	X
LRWS6-1	WL61XL	11/17/1997	IM40MB	ZINC	2,600.00		UG/L	184.00	199.00	2,000.00	X
LRWS6-1	WL61XA	01/28/1999	IM40MB	ZINC	2,240.00		UG/L	184.00	199.00	2,000.00	X
LRWS6-1	WL61XL	01/28/1999	IM40MB	ZINC	2,200.00		UG/L	184.00	199.00	2,000.00	X
LRWS7-1	WL71XA	11/21/1997	IM40MB	ZINC	4,320.00		UG/L	186.00	201.00	2,000.00	X
LRWS7-1	WL71XL	11/21/1997	IM40MB	ZINC	3,750.00		UG/L	186.00	201.00	2,000.00	X
LRWS7-1	WL71XA	01/22/1999	IM40MB	ZINC	4,160.00		UG/L	186.00	201.00	2,000.00	X
LRWS7-1	WL71XL	01/22/1999	IM40MB	ZINC	4,100.00		UG/L	186.00	201.00	2,000.00	X

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
ASPWELL	ASPWELL	12/12/2000	IM40PB	LEAD	20.90		UG/L	0.00	0.00	15.00	X
MW-41	W41M1A	08/19/1999	OC21B	2,6-DINITROTOLUENE	5.00	J	UG/L	108.00	118.00	5.00	X
03MW0122A	WS122A	09/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	12.00		UG/L	1.00	11.00	6.00	X
11MW0003	WF143A	02/25/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00		UG/L	0.00	0.00	6.00	X
11MW0003	WF143A	09/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	24.00		UG/L	0.00	0.00	6.00	X
15MW0004	15MW0004	04/09/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	6.00		UG/L	0.00	10.00	6.00	X
15MW0008	15MW0008D	04/12/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	25.00	J	UG/L	0.00	0.00	6.00	X
28MW0106	WL28XA	02/19/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	18.00	J	UG/L	0.00	10.00	6.00	X
28MW0106	WL28XA	03/23/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	26.00		UG/L	0.00	10.00	6.00	X
58MW0002	WC2XXA	02/26/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	36.00		UG/L	4.00	9.00	6.00	X
58MW0005E	WC5EXA	09/27/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	0.00	10.00	6.00	X
58MW0006E	WC6EXA	10/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	59.00		UG/L	0.00	10.00	6.00	X
58MW0006E	WC6EXD	10/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	57.00		UG/L	0.00	10.00	6.00	X
58MW0006E	WC6EXA	01/29/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	6.00		UG/L	0.00	10.00	6.00	X
58MW0007C	WC7CXA	09/28/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	13.00		UG/L	24.00	29.00	6.00	X
90MW0054	WF12XA	10/04/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	13.00	J	UG/L	91.83	96.83	6.00	X
90WT0003	WF03XA	09/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	58.00		UG/L	0.00	10.00	6.00	X
90WT0005	WF05XA	01/13/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	47.00		UG/L	0.00	10.00	6.00	X
90WT0013	WF13XA	01/16/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	34.00		UG/L	0.00	10.00	6.00	X
90WT0013	WF13XA	01/14/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	16.00		UG/L	0.00	10.00	6.00	X
95-14	W9514A	09/28/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	22.00		UG/L	90.00	120.00	6.00	X
97-1	W9701A	11/19/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	54.00	J	UG/L	62.00	72.00	6.00	X
97-1	W9701D	11/19/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	28.00	J	UG/L	62.00	72.00	6.00	X
97-2	W9702A	11/20/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00		UG/L	53.00	63.00	6.00	X
97-3	W9703A	11/21/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	73.00	J	UG/L	36.00	46.00	6.00	X
97-5	W9705A	11/20/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	15.00		UG/L	76.00	86.00	6.00	X
BHW215083	WG083A	11/26/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	13.00		UG/L	16.95	26.95	6.00	X
LRWS1-4	WL14XA	10/06/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	78.00	J	UG/L	107.00	117.00	6.00	X
LRWS2-3	WL23XA	11/21/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	20.00	J	UG/L	68.00	83.00	6.00	X
LRWS2-6	WL26XA	10/20/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	21.00		UG/L	75.00	90.00	6.00	X
LRWS2-6	WL26XA	10/04/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00	J	UG/L	75.00	90.00	6.00	X
LRWS4-1	WL41XA	11/24/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	100.00		UG/L	66.00	91.00	6.00	X
LRWS5-1	WL51XA	11/25/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00		UG/L	66.00	91.00	6.00	X
MW-10	W10SSA	09/16/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	39.00		UG/L	0.00	10.00	6.00	X
MW-11	W11SSA	11/06/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	33.00	J	UG/L	0.00	10.00	6.00	X

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-11	W11SSD	11/06/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	23.00	J	UG/L	0.00	10.00	6.00	X
MW-12	W12SSA	11/06/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	28.00		UG/L	0.00	10.00	6.00	X
MW-14	W14SSA	11/04/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	14.00		UG/L	0.00	10.00	6.00	X
MW-16	W16SSA	11/17/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	28.00		UG/L	0.00	10.00	6.00	X
MW-16	W16DDA	11/17/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	43.00		UG/L	223.00	228.00	6.00	X
MW-17	W17SSD	11/10/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	120.00	J	UG/L	0.00	10.00	6.00	X
MW-17	W17DDA	11/11/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	42.00		UG/L	196.00	206.00	6.00	X
MW-18	W18SSA	10/10/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	36.00		UG/L	0.00	10.00	6.00	X
MW-18	W18DDA	09/10/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	11.00		UG/L	222.00	232.00	6.00	X
MW-19	W19DDA	03/04/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00		UG/L	254.00	259.00	6.00	X
MW-2	W02M2A	01/20/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	24.00		UG/L	33.00	38.00	6.00	X
MW-2	W02M1A	01/21/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	10.00	J	UG/L	75.00	80.00	6.00	X
MW-2	W02DDA	02/02/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00		UG/L	218.00	223.00	6.00	X
MW-20	W20SSA	11/07/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	280.00		UG/L	0.00	10.00	6.00	X
MW-21	W21M2A	04/01/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	58.00	68.00	6.00	X
MW-22	W22SSA	11/24/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	96.00		UG/L	0.00	10.00	6.00	X
MW-22	W22SSA	09/20/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	18.00		UG/L	0.00	10.00	6.00	X
MW-23	W23SSA	10/27/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	24.00		UG/L	0.00	10.00	6.00	X
MW-23	W23M3A	11/13/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	10.00		UG/L	34.00	39.00	6.00	X
MW-23	W23M3D	11/13/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	13.00		UG/L	34.00	39.00	6.00	X
MW-24	W24SSA	11/14/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	0.00	10.00	6.00	X
MW-27	W27SSA	09/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00		UG/L	0.00	10.00	6.00	X
MW-28	W28SSA	11/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	11.00		UG/L	0.00	10.00	6.00	X
MW-28	W28SSA	09/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	150.00	J	UG/L	0.00	10.00	6.00	X
MW-29	W29SSA	11/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	16.00		UG/L	0.00	10.00	6.00	X
MW-29	W29SSA	09/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	20.00		UG/L	0.00	10.00	6.00	X
MW-36	W36M2A	08/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	54.00	64.00	6.00	X
MW-38	W38M3A	05/06/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	15.00		UG/L	52.00	62.00	6.00	X
MW-4	W04SSA	11/04/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	30.00		UG/L	0.00	10.00	6.00	X
MW-41	W41M2A	11/12/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00		UG/L	67.00	77.00	6.00	X
MW-43	W43M1A	05/26/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	6.00		UG/L	90.00	100.00	6.00	X
MW-44	W44M1A	09/20/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	14.00		UG/L	53.00	63.00	6.00	X
MW-45	W45M1A	05/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	37.00		UG/L	98.00	108.00	6.00	X
MW-46	W46M1A	11/01/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	6.00	J	UG/L	103.00	113.00	6.00	X
MW-46	W46DDA	11/02/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	14.00	J	UG/L	136.00	146.00	6.00	X

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1997 THROUGH SEPTEMBER 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-47	W47M1A	08/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	14.00		UG/L	75.00	85.00	6.00	X
MW-47	W47DDA	08/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	16.00		UG/L	100.00	110.00	6.00	X
MW-49	W49SSA	03/01/2000	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	290.00		UG/L	0.00	10.00	6.00	X
MW-5	W05DDA	02/13/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00	J	UG/L	223.00	228.00	6.00	X
MW-52	W52M3A	08/27/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00	J	UG/L	59.00	64.00	6.00	X
MW-53	W53M1A	08/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	31.00		UG/L	99.00	109.00	6.00	X
MW-53	W53DDA	02/18/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	18.00		UG/L	158.00	168.00	6.00	X
MW-55	W55DDA	05/13/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	119.00	129.00	6.00	X
MW-57	W57SSA	12/21/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	3,300.00	J	UG/L	0.00	10.00	6.00	X
MW-57	W57M2A	06/30/2000	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00		UG/L	62.00	72.00	6.00	X
MW-57	W57DDA	12/13/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	95.00		UG/L	127.00	137.00	6.00	X
MW-7	W07SSA	10/31/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	10.00		UG/L	0.00	10.00	6.00	X
MW-70	W70M1A	10/27/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	10.00		UG/L	129.00	139.00	6.00	X
MW-84	W84DDA	03/03/2000	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	30.00		UG/L	153.00	163.00	6.00	X
RW-1	WRW1XA	02/18/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	59.00		UG/L	0.00	9.00	6.00	X
RW-1	WRW1XD	10/06/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	11.00	J	UG/L	0.00	9.00	6.00	X
90MW0003	WF03MA	10/07/1999	OC21B	NAPHTHALENE	33.00		UG/L	52.11	57.11	20.00	X
MW-45	W45SSA	05/26/1999	OC21B	NAPHTHALENE	24.00		UG/L	0.00	10.00	20.00	X
MW-45	W45SSA	11/16/1999	OC21B	NAPHTHALENE	27.00		UG/L	0.00	10.00	20.00	X
90MW0003	WF03MA	10/07/1999	OC21V	1,2-DICHLOROETHANE	5.00		UG/L	52.11	57.11	5.00	X
03MW0007A	03MW0007A	04/13/1999	OC21V	TETRACHLOROETHYLENE(P	6.00		UG/L	21.00	26.00	5.00	X
03MW0014A	03MW0014A	04/13/1999	OC21V	TETRACHLOROETHYLENE(P	8.00		UG/L	38.00	43.00	5.00	X
03MW0020	03MW0020	04/14/1999	OC21V	TETRACHLOROETHYLENE(P	12.00		UG/L	36.00	41.00	5.00	X
MW-45	W45SSA	11/16/1999	OC21V	TOLUENE	1,000.00		UG/L	0.00	10.00	1,000.00	X
MW-45	W45SSA	05/29/2000	OC21V	TOLUENE	1,100.00		UG/L	0.00	10.00	1,000.00	X
MW-45	W45SSA	12/27/2000	OC21V	TOLUENE	1,300.00		UG/L	0.00	10.00	1,000.00	X
27MW0017B	27MW0017B	04/30/1999	OC21V	VINYL CHLORIDE	2.00		UG/L	21.00	26.00	2.00	X
PPAWSMW-1	PPAWSMW-1	06/22/1999	OL21P	DIELDRIN	3.00		UG/L	10.00	20.00	0.50	X
MW-142	W142M1A	01/29/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHAL	20.00		UG/L	100.00	110.00	6.00	X
MW-142	W142M2A	01/29/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHAL	11.00		UG/L	100.00	110.00	6.00	X
MW-146	W146M1A	02/23/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHAL	8.40		UG/L	75.00	80.00	6.00	X
MW-157	W157DDA	05/03/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHAL	8.10		UG/L	199.00	209.00	6.00	X
MW-28	W28M1A	01/12/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHAL	9.70		UG/L	173.00	183.00	6.00	X

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

TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 8/16/01-9/30/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
HDJ1200182RSS3	J1200182RS	08/27/2001	CRATER GRID	0.00	0.25			8330N	PENTAERYTHRITOL TETRANITR/	NO
HDJ1200182RSS7	J1200182RS	08/27/2001	CRATER GRID	0.00	0.25			8330N	PENTAERYTHRITOL TETRANITR/	NO
HDJ1200182RSS8	J1200182RS	08/27/2001	CRATER GRID	0.00	0.25			8330N	PENTAERYTHRITOL TETRANITR/	NO
HDJ1A100043SS2	J1A100043S	08/22/2001	CRATER GRID	0.00	0.25			8330N	4-NITROTOLUENE	NO
HDJ1A100043SS2	J1A100043S	08/22/2001	CRATER GRID	0.00	0.25			8330N	NITROGLYCERIN	NO
HDJ1A100043SS4	J1A100043S	08/22/2001	CRATER GRID	0.00	0.25			8330N	PENTAERYTHRITOL TETRANITR/	NO
HDJ1A200108SS4	J1A200108A	08/22/2001	CRATER GRID	0.00	0.25			8330N	2,4-DINITROTOLUENE	YES
HDJ1A200108SS7	J1A200108B	08/22/2001	CRATER GRID	0.00	0.25			8330N	2,4-DINITROTOLUENE	YES
HDJ1A200108SS7	J1A200108B	08/22/2001	CRATER GRID	0.00	0.25			8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
HDJ2A200595SS4	J2A200595S	08/27/2001	CRATER GRID	0.00	0.25			8330N	NITROGLYCERIN	NO
HDJ2A200600SS2	J2A200600S	08/27/2001	CRATER GRID	0.00	0.25			8330N	NITROGLYCERIN	NO
HDJ2A200600SS3	J2A200600S	08/27/2001	CRATER GRID	0.00	0.25			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
HDJ2A200600SS3	J2A200600S	08/27/2001	CRATER GRID	0.00	0.25			8330N	NITROGLYCERIN	NO
HDJ2A200600SS6	J2A200600S	08/27/2001	CRATER GRID	0.00	0.25			8330N	NITROGLYCERIN	NO
58MW0001	58MW0001	08/29/2001	GROUNDWATER	122.00	L27.00	4.78	9.78	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
58MW0001	58MW0001	08/29/2001	GROUNDWATER	122.00	L27.00	4.78	9.78	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
58MW0002	58MW0002	09/19/2001	GROUNDWATER	122.00	L27.00	4.60	9.60	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
58MW0002	58MW0002	09/19/2001	GROUNDWATER	122.00	L27.00	4.60	9.60	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
58MW0002	58MW0002	09/19/2001	GROUNDWATER	122.00	L27.00	4.60	9.60	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
58MW0007B	58MW0007B	08/31/2001	GROUNDWATER	187.70	L92.70	50.10	55.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
58MW0007C	58MW0007C	08/31/2001	GROUNDWATER	153.00	L58.00	28.16	33.16	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
58MW0009E	58MW0009E	08/29/2001	GROUNDWATER	133.00	L38.00	6.50	11.50	8330N	2-AMINO-4,6-DINITROTOLUENE	YES
58MW0009E	58MW0009E	08/29/2001	GROUNDWATER	133.00	L38.00	6.50	11.50	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
58MW0009E	58MW0009E	08/29/2001	GROUNDWATER	133.00	L38.00	6.50	11.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
58MW0009E	58MW0009E	08/29/2001	GROUNDWATER	133.00	L38.00	6.50	11.50	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
58MW0016B	58MW0016B	08/30/2001	GROUNDWATER	151.00	L61.00	29.50	39.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
58MW0016B	58MW0016B	08/30/2001	GROUNDWATER	151.00	L61.00	29.50	39.50	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
58MW0016C	58MW0016C	08/30/2001	GROUNDWATER	116.00	L26.00	0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
58MW0016C	58MW0016C	08/30/2001	GROUNDWATER	116.00	L26.00	0.00	10.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
58MW0018B	58MW0018B	09/04/2001	GROUNDWATER	176.00	L86.00	34.55	44.55	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
90LWA0007	90LWA0007	09/03/2001	GROUNDWATER	92.00	L02.00	0.00	10.00	8330N	2,6-DINITROTOLUENE	YES*
90LWA0007	90LWA0007	09/03/2001	GROUNDWATER	92.00	L02.00	0.00	10.00	8330N	2-NITROTOLUENE	NO

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(UNVALIDATED)
SAMPLES COLLECTED 8/16/01-9/30/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
90LWA0007	90LWA0007	09/03/2001	GROUNDWATER	92.00	102.00	0.00	10.00	8330N	3-NITROTOLUENE	NO
90LWA0007	90LWA0007	09/03/2001	GROUNDWATER	92.00	102.00	0.00	10.00	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
90LWA0007	90LWA0007	09/03/2001	GROUNDWATER	92.00	102.00	0.00	10.00	8330N	4-NITROTOLUENE	NO
90LWA0007	90LWA0007	09/03/2001	GROUNDWATER	92.00	102.00	0.00	10.00	8330N	PICRIC ACID	NO
90MW0022	90MW0022	09/05/2001	GROUNDWATER	112.00	117.00	72.79	77.79	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
90WT0004	90WT0004	09/07/2001	GROUNDWATER	35.00	45.00	3.00	13.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
90WT0004-D	90WT0004	09/07/2001	GROUNDWATER	35.00	45.00	3.00	13.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W141M2A	MW-141	08/27/2001	GROUNDWATER	162.00	172.00	34.00	44.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W141SSA	MW-141	08/24/2001	GROUNDWATER	128.00	138.00	0.00	10.00	8330N	2,4,6-TRINITROTOLUENE	NO
W141SSA	MW-141	08/24/2001	GROUNDWATER	128.00	138.00	0.00	10.00	8330N	2,6-DINITROTOLUENE	YES
W164M2A	MW-164	08/21/2001	GROUNDWATER	227.00	237.00	119.00	129.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W164M2A	MW-164	08/21/2001	GROUNDWATER	227.00	237.00	119.00	129.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W164M2A	MW-164	08/21/2001	GROUNDWATER	227.00	237.00	119.00	129.00	8330N	TETRYL	YES
W19SSA	MW-19	08/24/2001	GROUNDWATER	38.00	48.00	0.00	10.00	8330NX	2,4,6-TRINITROTOLUENE	YES
W19SSA	MW-19	08/24/2001	GROUNDWATER	38.00	48.00	0.00	10.00	8330NX	2,6-DINITROTOLUENE	YES
W19SSA	MW-19	08/24/2001	GROUNDWATER	38.00	48.00	0.00	10.00	8330NX	2-AMINO-4,6-DINITROTOLUENE	YES
W19SSA	MW-19	08/24/2001	GROUNDWATER	38.00	48.00	0.00	10.00	8330NX	4-AMINO-2,6-DINITROTOLUENE	YES
W19SSA	MW-19	08/24/2001	GROUNDWATER	38.00	48.00	0.00	10.00	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W19SSA	MW-19	08/24/2001	GROUNDWATER	38.00	48.00	0.00	10.00	8330NX	HEXAHYDRO-1,3,5-TRINITROSO-	YES
W19SSA	MW-19	08/24/2001	GROUNDWATER	38.00	48.00	0.00	10.00	8330NX	HEXAHYDRO-1,3-DINITROSO-5-M	YES
W19SSA	MW-19	08/24/2001	GROUNDWATER	38.00	48.00	0.00	10.00	8330NX	HEXAHYDRO-1-MONONITROSO-3	YES
W19SSA	MW-19	08/24/2001	GROUNDWATER	38.00	48.00	0.00	10.00	8330NX	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W31SSA	MW-31	08/24/2001	GROUNDWATER	98.00	103.00	13.00	18.00	8330NX	2,4,6-TRINITROTOLUENE	YES
W31SSA	MW-31	08/24/2001	GROUNDWATER	98.00	103.00	13.00	18.00	8330NX	2,4-DINITROTOLUENE	YES*
W31SSA	MW-31	08/24/2001	GROUNDWATER	98.00	103.00	13.00	18.00	8330NX	2-AMINO-4,6-DINITROTOLUENE	YES
W31SSA	MW-31	08/24/2001	GROUNDWATER	98.00	103.00	13.00	18.00	8330NX	4-AMINO-2,6-DINITROTOLUENE	YES
W31SSA	MW-31	08/24/2001	GROUNDWATER	98.00	103.00	13.00	18.00	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W31SSA	MW-31	08/24/2001	GROUNDWATER	98.00	103.00	13.00	18.00	8330NX	HEXAHYDRO-1,3,5-TRINITROSO-	YES
W31SSA	MW-31	08/24/2001	GROUNDWATER	98.00	103.00	13.00	18.00	8330NX	HEXAHYDRO-1,3-DINITROSO-5-M	YES
W31SSA	MW-31	08/24/2001	GROUNDWATER	98.00	103.00	13.00	18.00	8330NX	HEXAHYDRO-1-MONONITROSO-3	YES
W31SSA	MW-31	08/24/2001	GROUNDWATER	98.00	103.00	13.00	18.00	8330NX	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W39M2A	MW-39	08/20/2001	GROUNDWATER	175.00	185.00	39.00	49.00	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES

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PDA/NO = Photo Diode Array, Detect Not Confirmed

TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 8/16/01-9/30/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
W39M2A	MW-39	08/20/2001	GROUNDWATER	175.00	185.00	39.00	49.00	8330NX	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W40SSA	MW-40	08/20/2001	GROUNDWATER	115.50	125.50	0.00	10.00	8330N	2,4,6-TRINITROTOLUENE	YES
W40SSA	MW-40	08/20/2001	GROUNDWATER	115.50	125.50	0.00	10.00	8330N	2-AMINO-4,6-DINITROTOLUENE	YES
W40SSA	MW-40	08/20/2001	GROUNDWATER	115.50	125.50	0.00	10.00	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
W40SSA	MW-40	08/20/2001	GROUNDWATER	115.50	125.50	0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W45SSA	MW-45	08/23/2001	GROUNDWATER	89.00	99.00	0.00	10.00	8330N	2,4,6-TRINITROTOLUENE	NO
W45SSA	MW-45	08/23/2001	GROUNDWATER	89.00	99.00	0.00	10.00	8330N	2,6-DINITROTOLUENE	YES*
W45SSA	MW-45	08/23/2001	GROUNDWATER	89.00	99.00	0.00	10.00	8330N	2-NITROTOLUENE	NO
W45SSA	MW-45	08/23/2001	GROUNDWATER	89.00	99.00	0.00	10.00	8330N	3-NITROTOLUENE	NO
W45SSA	MW-45	08/23/2001	GROUNDWATER	89.00	99.00	0.00	10.00	8330N	4-NITROTOLUENE	NO
W45SSA	MW-45	08/23/2001	GROUNDWATER	89.00	99.00	0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES*
W45SSA	MW-45	08/23/2001	GROUNDWATER	89.00	99.00	0.00	10.00	8330N	NITROGLYCERIN	NO
W45SSA	MW-45	08/23/2001	GROUNDWATER	89.00	99.00	0.00	10.00	8330N	PICRIC ACID	NO
W58SSA	MW-58	08/22/2001	GROUNDWATER	100.00	110.00	0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
W58SSA	MW-58	08/22/2001	GROUNDWATER	100.00	110.00	0.00	10.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W84DDA	MW-84	08/23/2001	GROUNDWATER	142.00	152.00	109.00	119.00	8330NX	2,4,6-TRINITROTOLUENE	NO
W84DDA	MW-84	08/23/2001	GROUNDWATER	142.00	152.00	109.00	119.00	8330NX	2,6-DINITROTOLUENE	YES*
W84M1A	MW-84	08/24/2001	GROUNDWATER	140.00	150.00	103.00	113.00	8330NX	2,6-DINITROTOLUENE	YES
W84M2A	MW-84	08/27/2001	GROUNDWATER	104.00	114.00	67.00	77.00	8330NX	2,4-DINITROTOLUENE	NO
G177DAA	MW-177	09/26/2001	PROFILE	197.00	197.00	9.00	9.00	8330N	NITROGLYCERIN	NO
G177DAA	MW-177	09/26/2001	PROFILE	197.00	197.00	9.00	9.00	8330N	PICRIC ACID	NO
G177DBA	MW-177	09/26/2001	PROFILE	210.00	210.00	22.00	22.00	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G177DBA	MW-177	09/26/2001	PROFILE	210.00	210.00	22.00	22.00	8330N	NITROGLYCERIN	NO
G177DBA	MW-177	09/26/2001	PROFILE	210.00	210.00	22.00	22.00	8330N	PICRIC ACID	NO
G177DCA	MW-177	09/26/2001	PROFILE	220.00	220.00	32.00	32.00	8330N	1,3-DINITROBENZENE	NO
G177DCA	MW-177	09/26/2001	PROFILE	220.00	220.00	32.00	32.00	8330N	NITROGLYCERIN	NO
G177DCD	MW-177	09/26/2001	PROFILE	220.00	220.00	32.00	32.00	8330N	1,3-DINITROBENZENE	NO
G177DCD	MW-177	09/26/2001	PROFILE	220.00	220.00	32.00	32.00	8330N	NITROGLYCERIN	NO
G177DCD	MW-177	09/26/2001	PROFILE	220.00	220.00	32.00	32.00	8330N	PICRIC ACID	NO
G177DDA	MW-177	09/26/2001	PROFILE	230.00	230.00	42.00	42.00	8330N	1,3,5-TRINITROBENZENE	NO
G177DDA	MW-177	09/26/2001	PROFILE	230.00	230.00	42.00	42.00	8330N	1,3-DINITROBENZENE	NO
G177DDA	MW-177	09/26/2001	PROFILE	230.00	230.00	42.00	42.00	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
G177DDA	MW-177	09/26/2001	PROFILE	230.00	230.00	42.00	42.00	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G177DDA	MW-177	09/26/2001	PROFILE	230.00	230.00	42.00	42.00	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G177DDA	MW-177	09/26/2001	PROFILE	230.00	230.00	42.00	42.00	8330N	NITROGLYCERIN	NO
G177DDA	MW-177	09/26/2001	PROFILE	230.00	230.00	42.00	42.00	8330N	PICRIC ACID	NO
G177DEA	MW-177	09/26/2001	PROFILE	240.00	240.00	52.00	52.00	8330N	1,3-DINITROBENZENE	NO
G177DEA	MW-177	09/26/2001	PROFILE	240.00	240.00	52.00	52.00	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G177DEA	MW-177	09/26/2001	PROFILE	240.00	240.00	52.00	52.00	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G177DEA	MW-177	09/26/2001	PROFILE	240.00	240.00	52.00	52.00	8330N	NITROGLYCERIN	NO
G177DEA	MW-177	09/26/2001	PROFILE	240.00	240.00	52.00	52.00	8330N	PICRIC ACID	NO
G177DFA	MW-177	09/26/2001	PROFILE	250.00	250.00	62.00	62.00	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G177DFA	MW-177	09/26/2001	PROFILE	250.00	250.00	62.00	62.00	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G177DFA	MW-177	09/26/2001	PROFILE	250.00	250.00	62.00	62.00	8330N	NITROGLYCERIN	NO
G177DFA	MW-177	09/26/2001	PROFILE	250.00	250.00	62.00	62.00	8330N	PICRIC ACID	NO
G177DHA	MW-177	09/27/2001	PROFILE	270.00	270.00	82.00	82.00	8330N	2,6-DIAMINO-4-NITROTOLUENE	YES
G177DHA	MW-177	09/27/2001	PROFILE	270.00	270.00	82.00	82.00	8330N	NITROGLYCERIN	NO
G177DHA	MW-177	09/27/2001	PROFILE	270.00	270.00	82.00	82.00	8330N	PENTAERYTHRITOL TETRANITRA	NO
G177DIA	MW-177	09/27/2001	PROFILE	280.00	280.00	92.00	92.00	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G177DJA	MW-177	09/27/2001	PROFILE	290.00	290.00	102.00	102.00	8330N	1,3,5-TRINITROBENZENE	NO
G177DJA	MW-177	09/27/2001	PROFILE	290.00	290.00	102.00	102.00	8330N	1,3-DINITROBENZENE	NO
G177DJA	MW-177	09/27/2001	PROFILE	290.00	290.00	102.00	102.00	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G177DJA	MW-177	09/27/2001	PROFILE	290.00	290.00	102.00	102.00	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G177DJA	MW-177	09/27/2001	PROFILE	290.00	290.00	102.00	102.00	8330N	NITROGLYCERIN	NO
G177DJA	MW-177	09/27/2001	PROFILE	290.00	290.00	102.00	102.00	8330N	PENTAERYTHRITOL TETRANITRA	NO
G177DJA	MW-177	09/27/2001	PROFILE	290.00	290.00	102.00	102.00	8330N	PICRIC ACID	NO
G177DKA	MW-177	09/28/2001	PROFILE	300.00	300.00	112.00	112.00	8330N	NITROGLYCERIN	NO
G178DAA	MW-178	08/23/2001	PROFILE	145.00	145.00	5.60	5.60	8330N	2,6-DINITROTOLUENE	NO
G178DAA	MW-178	08/23/2001	PROFILE	145.00	145.00	5.60	5.60	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G178DAA	MW-178	08/23/2001	PROFILE	145.00	145.00	5.60	5.60	8330N	NITROGLYCERIN	NO
G178DDD	MW-178	08/24/2001	PROFILE	175.00	175.00	35.60	35.60	8330N	TETRYL	YES
G178DLA	MW-178	08/28/2001	PROFILE	255.00	255.00	115.60	115.60	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G178DMA	MW-178	08/28/2001	PROFILE	265.00	265.00	125.60	125.60	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G178DNA	MW-178	08/28/2001	PROFILE	275.00	275.00	135.60	135.60	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES

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TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 8/16/01-9/30/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G179DAA	MW-179	08/31/2001	PROFILE	150.00	150.00	9.60	9.60	8330N	1,3,5-TRINITROBENZENE	YES
G179DAA	MW-179	08/31/2001	PROFILE	150.00	150.00	9.60	9.60	8330N	1,3-DINITROBENZENE	NO
G179DAA	MW-179	08/31/2001	PROFILE	150.00	150.00	9.60	9.60	8330N	NITROGLYCERIN	NO
G179DCA	MW-179	09/04/2001	PROFILE	170.00	170.00	29.60	29.60	8330N	NITROGLYCERIN	NO
G179DDA	MW-179	09/04/2001	PROFILE	180.00	180.00	39.60	39.60	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G179DEA	MW-179	09/04/2001	PROFILE	190.00	190.00	49.60	49.60	8330N	PENTAERYTHRITOL TETRANITRA	NO
G179DFA	MW-179	09/04/2001	PROFILE	200.00	200.00	59.60	59.60	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G179DIA	MW-179	09/05/2001	PROFILE	230.00	230.00	89.60	89.60	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G179DIA	MW-179	09/05/2001	PROFILE	230.00	230.00	89.60	89.60	8330N	PICRIC ACID	NO
G179DPA	MW-179	09/06/2001	PROFILE	300.00	300.00	159.60	159.60	8330N	NITROGLYCERIN	NO
G179DSA	MW-179	09/06/2001	PROFILE	330.00	330.00	189.60	189.60	8330N	PENTAERYTHRITOL TETRANITRA	NO
G179DTA	MW-179	09/06/2001	PROFILE	338.00	338.00	197.60	197.60	8330N	2,6-DINITROTOLUENE	YES
G179DTA	MW-179	09/06/2001	PROFILE	338.00	338.00	197.60	197.60	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G180DAA	MW-180	08/29/2001	PROFILE	170.00	170.00	14.00	14.00	8330N	3-NITROTOLUENE	NO
G180DAA	MW-180	08/29/2001	PROFILE	170.00	170.00	14.00	14.00	8330N	4-NITROTOLUENE	NO
G180DAA	MW-180	08/29/2001	PROFILE	170.00	170.00	14.00	14.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G180DAA	MW-180	08/29/2001	PROFILE	170.00	170.00	14.00	14.00	8330N	NITROGLYCERIN	NO
G180DBA	MW-180	08/29/2001	PROFILE	180.00	180.00	24.00	24.00	8330N	2,4-DINITROTOLUENE	NO
G180DBA	MW-180	08/29/2001	PROFILE	180.00	180.00	24.00	24.00	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G180DBA	MW-180	08/29/2001	PROFILE	180.00	180.00	24.00	24.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G180DBA	MW-180	08/29/2001	PROFILE	180.00	180.00	24.00	24.00	8330N	NITROGLYCERIN	NO
G180DCA	MW-180	08/29/2001	PROFILE	190.00	190.00	34.00	34.00	8330N	4-NITROTOLUENE	NO
G180DCA	MW-180	08/29/2001	PROFILE	190.00	190.00	34.00	34.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G180DCA	MW-180	08/29/2001	PROFILE	190.00	190.00	34.00	34.00	8330N	NITROGLYCERIN	NO
G180DDA	MW-180	08/29/2001	PROFILE	200.00	200.00	44.00	44.00	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G180DDA	MW-180	08/29/2001	PROFILE	200.00	200.00	44.00	44.00	8330N	2,4-DINITROTOLUENE	YES
G180DDA	MW-180	08/29/2001	PROFILE	200.00	200.00	44.00	44.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G180DDD	MW-180	08/29/2001	PROFILE	200.00	200.00	44.00	44.00	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G180DDD	MW-180	08/29/2001	PROFILE	200.00	200.00	44.00	44.00	8330N	3-NITROTOLUENE	YES
G180DDD	MW-180	08/29/2001	PROFILE	200.00	200.00	44.00	44.00	8330N	4-NITROTOLUENE	NO
G180DDD	MW-180	08/29/2001	PROFILE	200.00	200.00	44.00	44.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G180DDD	MW-180	08/29/2001	PROFILE	200.00	200.00	44.00	44.00	8330N	NITROGLYCERIN	NO

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TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 8/16/01-9/30/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G180DDD	MW-180	08/29/2001	PROFILE	200.00	200.00	44.00	44.00	8330N	PICRIC ACID	NO
G180DEA	MW-180	08/29/2001	PROFILE	210.00	210.00	54.00	54.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G180DEA	MW-180	08/29/2001	PROFILE	210.00	210.00	54.00	54.00	8330N	NITROGLYCERIN	NO
G180DFA	MW-180	08/30/2001	PROFILE	220.00	220.00	64.00	64.00	8330N	3-NITROTOLUENE	YES
G180DFA	MW-180	08/30/2001	PROFILE	220.00	220.00	64.00	64.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G180DGA	MW-180	08/30/2001	PROFILE	230.00	230.00	74.00	74.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G180DGA	MW-180	08/30/2001	PROFILE	230.00	230.00	74.00	74.00	8330N	NITROGLYCERIN	NO
G180DGD	MW-180	08/30/2001	PROFILE	230.00	230.00	74.00	74.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G180DGD	MW-180	08/30/2001	PROFILE	230.00	230.00	74.00	74.00	8330N	NITROGLYCERIN	NO
G180DHA	MW-180	08/30/2001	PROFILE	240.00	240.00	84.00	84.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G180DIA	MW-180	08/30/2001	PROFILE	250.00	250.00	94.00	94.00	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G180DIA	MW-180	08/30/2001	PROFILE	250.00	250.00	94.00	94.00	8330N	2,4-DINITROTOLUENE	YES
G180DIA	MW-180	08/30/2001	PROFILE	250.00	250.00	94.00	94.00	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G180DIA	MW-180	08/30/2001	PROFILE	250.00	250.00	94.00	94.00	8330N	3-NITROTOLUENE	NO
G180DIA	MW-180	08/30/2001	PROFILE	250.00	250.00	94.00	94.00	8330N	4-NITROTOLUENE	NO
G180DIA	MW-180	08/30/2001	PROFILE	250.00	250.00	94.00	94.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G180DIA	MW-180	08/30/2001	PROFILE	250.00	250.00	94.00	94.00	8330N	NITROGLYCERIN	NO
G180DKA	MW-180	08/30/2001	PROFILE	270.00	270.00	104.00	104.00	8330N	1,3-DINITROBENZENE	NO
G180DKA	MW-180	08/30/2001	PROFILE	270.00	270.00	104.00	104.00	8330N	3-NITROTOLUENE	NO
G180DKA	MW-180	08/30/2001	PROFILE	270.00	270.00	104.00	104.00	8330N	4-NITROTOLUENE	NO
G180DKA	MW-180	08/30/2001	PROFILE	270.00	270.00	104.00	104.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G180DKA	MW-180	08/30/2001	PROFILE	270.00	270.00	104.00	104.00	8330N	NITROGLYCERIN	NO
G180DMA	MW-180	08/30/2001	PROFILE	290.00	290.00	124.00	124.00	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G180DMA	MW-180	08/30/2001	PROFILE	290.00	290.00	124.00	124.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G180DMA	MW-180	08/30/2001	PROFILE	290.00	290.00	124.00	124.00	8330N	NITROGLYCERIN	NO
G180DNA	MW-180	08/31/2001	PROFILE	300.00	300.00	144.00	144.00	8330N	1,3-DINITROBENZENE	NO
G180DNA	MW-180	08/31/2001	PROFILE	300.00	300.00	144.00	144.00	8330N	3-NITROTOLUENE	NO
G180DNA	MW-180	08/31/2001	PROFILE	300.00	300.00	144.00	144.00	8330N	4-NITROTOLUENE	NO
G180DNA	MW-180	08/31/2001	PROFILE	300.00	300.00	144.00	144.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G180DNA	MW-180	08/31/2001	PROFILE	300.00	300.00	144.00	144.00	8330N	NITROGLYCERIN	NO
G180DNA	MW-180	08/31/2001	PROFILE	300.00	300.00	144.00	144.00	8330N	PICRIC ACID	NO
G180DOA	MW-180	08/31/2001	PROFILE	310.00	310.00	154.00	154.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO

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(UNVALIDATED)
SAMPLES COLLECTED 8/16/01-9/30/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G180DOA	MW-180	08/31/2001	PROFILE	310.00	310.00	154.00	154.00	8330N	NITROGLYCERIN	NO
G180DOA	MW-180	08/31/2001	PROFILE	310.00	310.00	154.00	154.00	8330N	TETRYL	YES
G180DPA	MW-180	08/31/2001	PROFILE	320.00	320.00	164.00	164.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G180DPA	MW-180	08/31/2001	PROFILE	320.00	320.00	164.00	164.00	8330N	NITROGLYCERIN	NO
G180DQA	MW-180	08/31/2001	PROFILE	330.00	330.00	174.00	174.00	8330N	1,3,5-TRINITROBENZENE	NO
G180DQA	MW-180	08/31/2001	PROFILE	330.00	330.00	174.00	174.00	8330N	1,3-DINITROBENZENE	NO
G180DQA	MW-180	08/31/2001	PROFILE	330.00	330.00	174.00	174.00	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G180DQA	MW-180	08/31/2001	PROFILE	330.00	330.00	174.00	174.00	8330N	2,4-DINITROTOLUENE	YES
G180DQA	MW-180	08/31/2001	PROFILE	330.00	330.00	174.00	174.00	8330N	3-NITROTOLUENE	NO
G180DQA	MW-180	08/31/2001	PROFILE	330.00	330.00	174.00	174.00	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G180DQA	MW-180	08/31/2001	PROFILE	330.00	330.00	174.00	174.00	8330N	4-NITROTOLUENE	NO
G180DQA	MW-180	08/31/2001	PROFILE	330.00	330.00	174.00	174.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G180DQA	MW-180	08/31/2001	PROFILE	330.00	330.00	174.00	174.00	8330N	NITROGLYCERIN	NO
G180DSA	MW-180	09/04/2001	PROFILE	350.00	350.00	194.00	194.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G180DSA	MW-180	09/04/2001	PROFILE	350.00	350.00	194.00	194.00	8330N	NITROGLYCERIN	NO
G182DAA	MW-182	09/19/2001	PROFILE	190.00	190.00	20.40	20.40	8330N	2,4-DINITROTOLUENE	NO*
G182DAA	MW-182	09/19/2001	PROFILE	190.00	190.00	20.40	20.40	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G182DAA	MW-182	09/19/2001	PROFILE	190.00	190.00	20.40	20.40	8330N	3-NITROTOLUENE	YES
G182DAA	MW-182	09/19/2001	PROFILE	190.00	190.00	20.40	20.40	8330N	4-NITROTOLUENE	NO
G182DAA	MW-182	09/19/2001	PROFILE	190.00	190.00	20.40	20.40	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G182DAA	MW-182	09/19/2001	PROFILE	190.00	190.00	20.40	20.40	8330N	NITROGLYCERIN	NO
G182DBA	MW-182	09/19/2001	PROFILE	200.00	200.00	30.40	30.40	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G182DBA	MW-182	09/19/2001	PROFILE	200.00	200.00	30.40	30.40	8330N	2,4-DINITROTOLUENE	NO*
G182DBA	MW-182	09/19/2001	PROFILE	200.00	200.00	30.40	30.40	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G182DBA	MW-182	09/19/2001	PROFILE	200.00	200.00	30.40	30.40	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G182DBA	MW-182	09/19/2001	PROFILE	200.00	200.00	30.40	30.40	8330N	NITROGLYCERIN	NO
G182DCA	MW-182	09/20/2001	PROFILE	210.00	210.00	40.40	40.40	8330N	2,4-DINITROTOLUENE	NO*
G182DDA	MW-182	09/20/2001	PROFILE	220.00	220.00	50.40	50.40	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G182DDA	MW-182	09/20/2001	PROFILE	220.00	220.00	50.40	50.40	8330N	2,4-DINITROTOLUENE	NO*
G182DDA	MW-182	09/20/2001	PROFILE	220.00	220.00	50.40	50.40	8330N	NITROGLYCERIN	NO*
G182DDD	MW-182	09/20/2001	PROFILE	220.00	220.00	50.40	50.40	8330N	2,4-DINITROTOLUENE	NO*
G182DDD	MW-182	09/20/2001	PROFILE	220.00	220.00	50.40	50.40	8330N	NITROGLYCERIN	NO*

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(UNVALIDATED)
SAMPLES COLLECTED 8/16/01-9/30/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G182DEA	MW-182	09/20/2001	PROFILE	230.00	230.00	60.40	60.40	8330N	1,3-DINITROBENZENE	NO
G182DEA	MW-182	09/20/2001	PROFILE	230.00	230.00	60.40	60.40	8330N	2,4,6-TRINITROTOLUENE	NO
G182DEA	MW-182	09/20/2001	PROFILE	230.00	230.00	60.40	60.40	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G182DEA	MW-182	09/20/2001	PROFILE	230.00	230.00	60.40	60.40	8330N	2,4-DINITROTOLUENE	NO*
G182DEA	MW-182	09/20/2001	PROFILE	230.00	230.00	60.40	60.40	8330N	NITROGLYCERIN	NO
G182DEA	MW-182	09/20/2001	PROFILE	230.00	230.00	60.40	60.40	8330N	PICRIC ACID	NO
G182DFA	MW-182	09/20/2001	PROFILE	240.00	240.00	70.40	70.40	8330N	1,3,5-TRINITROBENZENE	NO*
G182DFA	MW-182	09/20/2001	PROFILE	240.00	240.00	70.40	70.40	8330N	1,3-DINITROBENZENE	NO
G182DFA	MW-182	09/20/2001	PROFILE	240.00	240.00	70.40	70.40	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G182DFA	MW-182	09/20/2001	PROFILE	240.00	240.00	70.40	70.40	8330N	2,4-DINITROTOLUENE	NO*
G182DFA	MW-182	09/20/2001	PROFILE	240.00	240.00	70.40	70.40	8330N	NITROGLYCERIN	NO
G182DFA	MW-182	09/20/2001	PROFILE	240.00	240.00	70.40	70.40	8330N	PICRIC ACID	NO
G182DGA	MW-182	09/20/2001	PROFILE	250.00	250.00	80.40	80.40	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G182DGA	MW-182	09/20/2001	PROFILE	250.00	250.00	80.40	80.40	8330N	2,4-DINITROTOLUENE	NO*
G182DGA	MW-182	09/20/2001	PROFILE	250.00	250.00	80.40	80.40	8330N	NITROGLYCERIN	NO
G182DGA	MW-182	09/20/2001	PROFILE	250.00	250.00	80.40	80.40	8330N	PICRIC ACID	NO
G182DHA	MW-182	09/20/2001	PROFILE	260.00	260.00	90.40	90.40	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G182DHA	MW-182	09/20/2001	PROFILE	260.00	260.00	90.40	90.40	8330N	PENTAERYTHRITOL TETRANITRA	NO
G182DHA	MW-182	09/20/2001	PROFILE	260.00	260.00	90.40	90.40	8330N	PICRIC ACID	NO
G182DIA	MW-182	09/20/2001	PROFILE	270.00	270.00	100.40	100.40	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G182DIA	MW-182	09/20/2001	PROFILE	270.00	270.00	100.40	100.40	8330N	2,4-DINITROTOLUENE	NO*
G182DIA	MW-182	09/20/2001	PROFILE	270.00	270.00	100.40	100.40	8330N	NITROGLYCERIN	NO
G182DIA	MW-182	09/20/2001	PROFILE	270.00	270.00	100.40	100.40	8330N	PENTAERYTHRITOL TETRANITRA	NO
G182DIA	MW-182	09/20/2001	PROFILE	270.00	270.00	100.40	100.40	8330N	PICRIC ACID	NO
G182DJA	MW-182	09/21/2001	PROFILE	280.00	280.00	110.40	110.40	8330N	1,3,5-TRINITROBENZENE	NO*
G182DJA	MW-182	09/21/2001	PROFILE	280.00	280.00	110.40	110.40	8330N	1,3-DINITROBENZENE	NO
G182DJA	MW-182	09/21/2001	PROFILE	280.00	280.00	110.40	110.40	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G182DJA	MW-182	09/21/2001	PROFILE	280.00	280.00	110.40	110.40	8330N	2,4-DINITROTOLUENE	NO*
G182DJA	MW-182	09/21/2001	PROFILE	280.00	280.00	110.40	110.40	8330N	3-NITROTOLUENE	NO
G182DJA	MW-182	09/21/2001	PROFILE	280.00	280.00	110.40	110.40	8330N	4-NITROTOLUENE	YES*
G182DJA	MW-182	09/21/2001	PROFILE	280.00	280.00	110.40	110.40	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G182DJA	MW-182	09/21/2001	PROFILE	280.00	280.00	110.40	110.40	8330N	PICRIC ACID	NO

DATA REPORTED REFLECT CURRENT DATABASE FOR SAMPLES COLLECTED IN SPECIFIED TIMEFRAME. NOT ALL RESULTS ARE COMPLETE.
SBD = SAMPLE COLLECTION BEGIN DEPTH IN FEET BGS
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PDA/NO = Photo Diode Array, Detect Not Confirmed

TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 8/16/01-9/30/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G182DKA	MW-182	09/21/2001	PROFILE	290.00	290.00	120.40	120.40	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G182DKA	MW-182	09/21/2001	PROFILE	290.00	290.00	120.40	120.40	8330N	2,4-DINITROTOLUENE	NO*
G182DKA	MW-182	09/21/2001	PROFILE	290.00	290.00	120.40	120.40	8330N	2-AMINO-4,6-DINITROTOLUENE	NO*
G182DKA	MW-182	09/21/2001	PROFILE	290.00	290.00	120.40	120.40	8330N	3-NITROTOLUENE	NO
G182DKA	MW-182	09/21/2001	PROFILE	290.00	290.00	120.40	120.40	8330N	4-NITROTOLUENE	NO
G182DKA	MW-182	09/21/2001	PROFILE	290.00	290.00	120.40	120.40	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G182DKA	MW-182	09/21/2001	PROFILE	290.00	290.00	120.40	120.40	8330N	PENTAERYTHRITOL TETRANITRA	NO
G182DKA	MW-182	09/21/2001	PROFILE	290.00	290.00	120.40	120.40	8330N	PICRIC ACID	NO
G182DLA	MW-182	09/21/2001	PROFILE	300.00	300.00	130.40	130.40	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G182DLA	MW-182	09/21/2001	PROFILE	300.00	300.00	130.40	130.40	8330N	2,4-DINITROTOLUENE	NO*
G182DLA	MW-182	09/21/2001	PROFILE	300.00	300.00	130.40	130.40	8330N	2-AMINO-4,6-DINITROTOLUENE	NO*
G182DLA	MW-182	09/21/2001	PROFILE	300.00	300.00	130.40	130.40	8330N	3-NITROTOLUENE	NO*
G182DLA	MW-182	09/21/2001	PROFILE	300.00	300.00	130.40	130.40	8330N	4-NITROTOLUENE	NO*
G182DLA	MW-182	09/21/2001	PROFILE	300.00	300.00	130.40	130.40	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	NO
G182DLA	MW-182	09/21/2001	PROFILE	300.00	300.00	130.40	130.40	8330N	PENTAERYTHRITOL TETRANITRA	NO
G182DLA	MW-182	09/21/2001	PROFILE	300.00	300.00	130.40	130.40	8330N	PICRIC ACID	NO
G182DMA	MW-182	09/24/2001	PROFILE	310.00	310.00	140.40	140.40	8330N	2,4-DINITROTOLUENE	NO
G182DMA	MW-182	09/24/2001	PROFILE	310.00	310.00	140.40	140.40	8330N	PICRIC ACID	NO
G182DOA	MW-182	09/24/2001	PROFILE	330.00	330.00	160.40	160.40	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G182DOA	MW-182	09/24/2001	PROFILE	330.00	330.00	160.40	160.40	8330N	NITROGLYCERIN	NO
G182DOA	MW-182	09/24/2001	PROFILE	330.00	330.00	160.40	160.40	8330N	PICRIC ACID	NO
G182DPA	MW-182	09/25/2001	PROFILE	340.00	340.00	170.40	170.40	8330N	2,4-DINITROTOLUENE	NO
G182DPA	MW-182	09/25/2001	PROFILE	340.00	340.00	170.40	170.40	8330N	NITROGLYCERIN	NO
G182DQA	MW-182	09/25/2001	PROFILE	350.00	350.00	180.40	180.40	8330N	1,3,5-TRINITROBENZENE	NO
G182DQA	MW-182	09/25/2001	PROFILE	350.00	350.00	180.40	180.40	8330N	1,3-DINITROBENZENE	NO
G182DQA	MW-182	09/25/2001	PROFILE	350.00	350.00	180.40	180.40	8330N	NITROGLYCERIN	NO
G182DQD	MW-182	09/25/2001	PROFILE	350.00	350.00	180.40	180.40	8330N	1,3,5-TRINITROBENZENE	NO
G182DQD	MW-182	09/25/2001	PROFILE	350.00	350.00	180.40	180.40	8330N	1,3-DINITROBENZENE	NO
G182DQD	MW-182	09/25/2001	PROFILE	350.00	350.00	180.40	180.40	8330N	2,4-DINITROTOLUENE	NO
G182DQD	MW-182	09/25/2001	PROFILE	350.00	350.00	180.40	180.40	8330N	NITROGLYCERIN	NO
G182DQD	MW-182	09/25/2001	PROFILE	350.00	350.00	180.40	180.40	8330N	PICRIC ACID	NO
G182DRA	MW-182	09/25/2001	PROFILE	360.00	360.00	190.40	190.40	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES

DATA REPORTED REFLECT CURRENT DATABASE FOR SAMPLES COLLECTED IN SPECIFIED TIMEFRAME. NOT ALL RESULTS ARE COMPLETE.
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PDA/NO = Photo Diode Array, Detect Not Confirmed

TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 8/16/01-9/30/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G182DRA	MW-182	09/25/2001	PROFILE	360.00	360.00	190.40	190.40	8330N	2,4-DINITROTOLUENE	NO
G182DRA	MW-182	09/25/2001	PROFILE	360.00	360.00	190.40	190.40	8330N	NITROGLYCERIN	NO
G182DRA	MW-182	09/25/2001	PROFILE	360.00	360.00	190.40	190.40	8330N	PICRIC ACID	NO
G182DSA	MW-182	09/25/2001	PROFILE	370.00	370.00	100.40	100.40	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G182DSA	MW-182	09/25/2001	PROFILE	370.00	370.00	100.40	100.40	8330N	2,4-DINITROTOLUENE	NO
G182DSA	MW-182	09/25/2001	PROFILE	370.00	370.00	100.40	100.40	8330N	NITROGLYCERIN	NO
G182DSA	MW-182	09/25/2001	PROFILE	370.00	370.00	100.40	100.40	8330N	PICRIC ACID	NO
G184DAA	MW-184	09/26/2001	PROFILE	150.00	150.00	24.50	24.50	8330N	NITROGLYCERIN	NO
G184DBA	MW-184	09/26/2001	PROFILE	160.00	160.00	34.50	34.50	8330N	NITROGLYCERIN	NO
G184DCA	MW-184	09/26/2001	PROFILE	170.00	170.00	44.50	44.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G184DCA	MW-184	09/26/2001	PROFILE	170.00	170.00	44.50	44.50	8330N	NITROGLYCERIN	NO
G184DDA	MW-184	09/26/2001	PROFILE	180.00	180.00	54.50	54.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G184DDD	MW-184	09/26/2001	PROFILE	180.00	180.00	54.50	54.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G184DEA	MW-184	09/26/2001	PROFILE	190.00	190.00	64.50	64.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G184DEA	MW-184	09/26/2001	PROFILE	190.00	190.00	64.50	64.50	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G184DFA	MW-184	09/26/2001	PROFILE	200.00	200.00	74.50	74.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G184DFA	MW-184	09/26/2001	PROFILE	200.00	200.00	74.50	74.50	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G184DGA	MW-184	09/26/2001	PROFILE	210.00	220.00	84.50	84.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
G184DGA	MW-184	09/26/2001	PROFILE	210.00	220.00	84.50	84.50	8330N	NITROGLYCERIN	NO
G184DHA	MW-184	09/26/2001	PROFILE	220.00	220.00	94.50	94.50	8330N	NITROGLYCERIN	NO
G184DJA	MW-184	09/26/2001	PROFILE	240.00	240.00	114.50	114.50	8330N	NITROGLYCERIN	NO
GAB29A	MW-181	08/22/2001	PROFILE	36.00	36.00	1.70	1.70	8330N	2,4,6-TRINITROTOLUENE	YES
GAB29A	MW-181	08/22/2001	PROFILE	36.00	36.00	1.70	1.70	8330N	2-AMINO-4,6-DINITROTOLUENE	YES
GAB29A	MW-181	08/22/2001	PROFILE	36.00	36.00	1.70	1.70	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
GAB29A	MW-181	08/22/2001	PROFILE	36.00	36.00	1.70	1.70	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
ABB0029BAA	B-29	08/22/2001	SOIL BORING	10.00	12.00			8330N	2,4,6-TRINITROTOLUENE	YES

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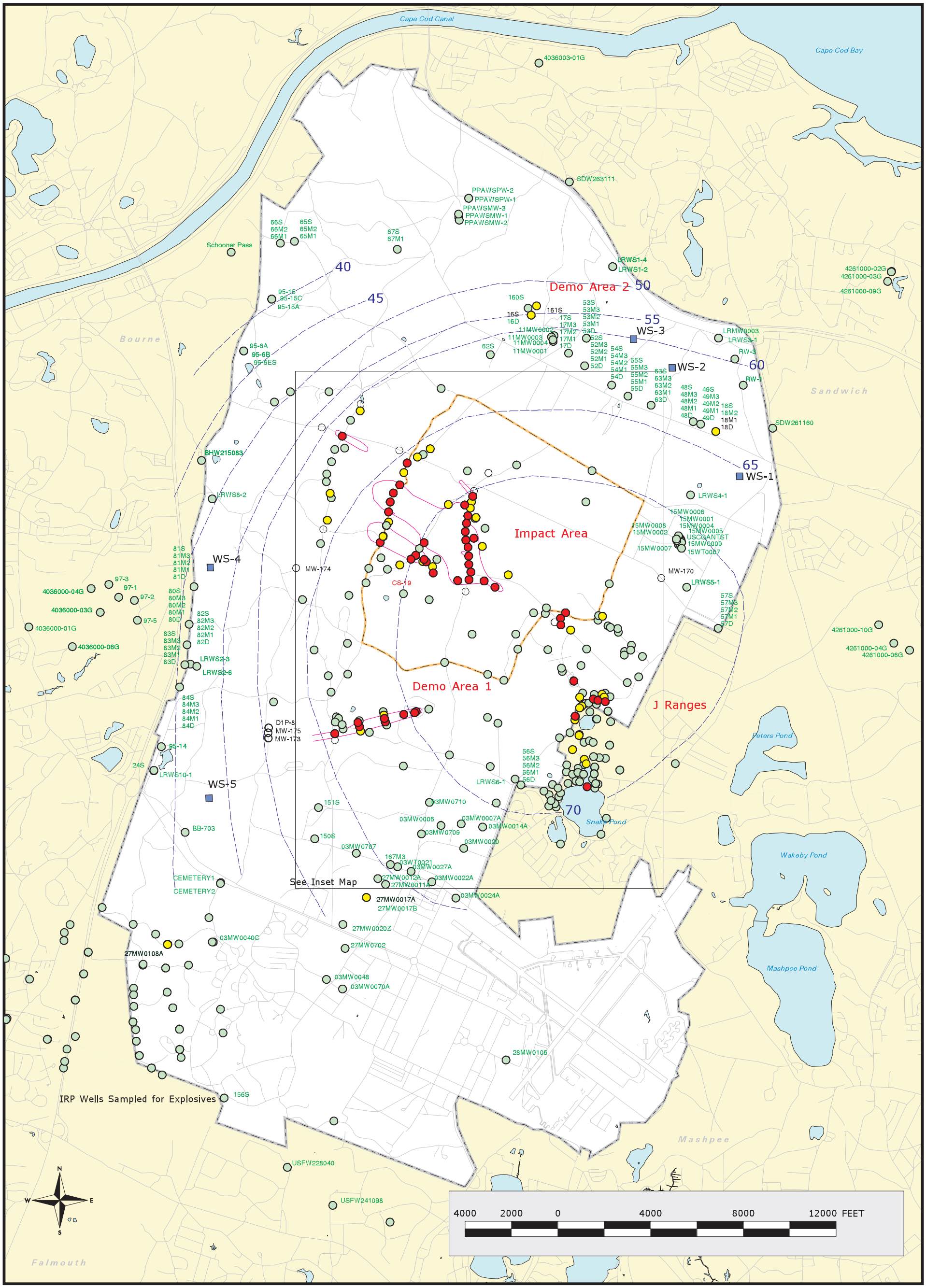

LEGEND

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

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

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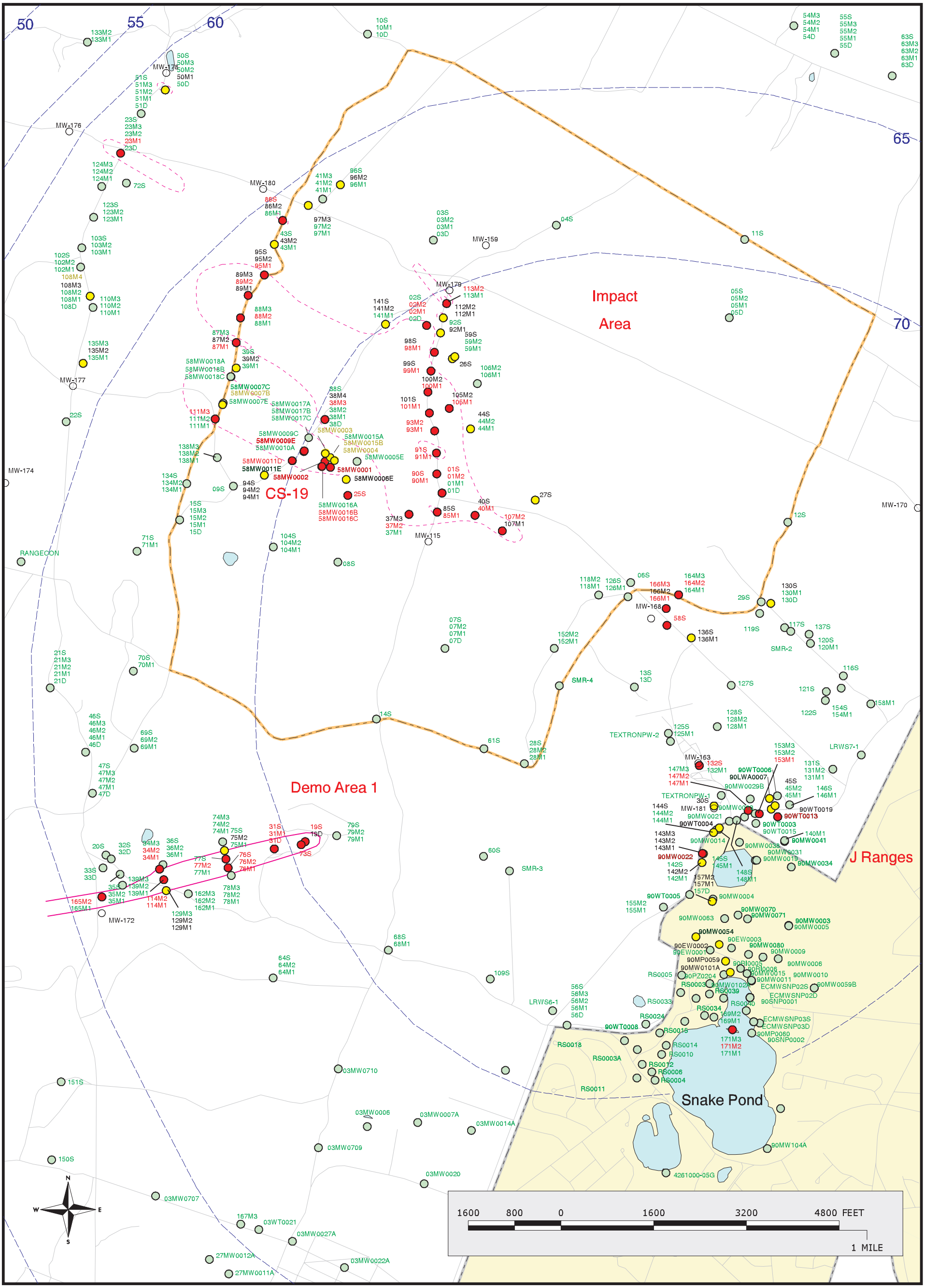
Figure 1

Explosives in Groundwater Compared to MCL/HAs Validated Data as of 09/28/01

Analyte Group
1

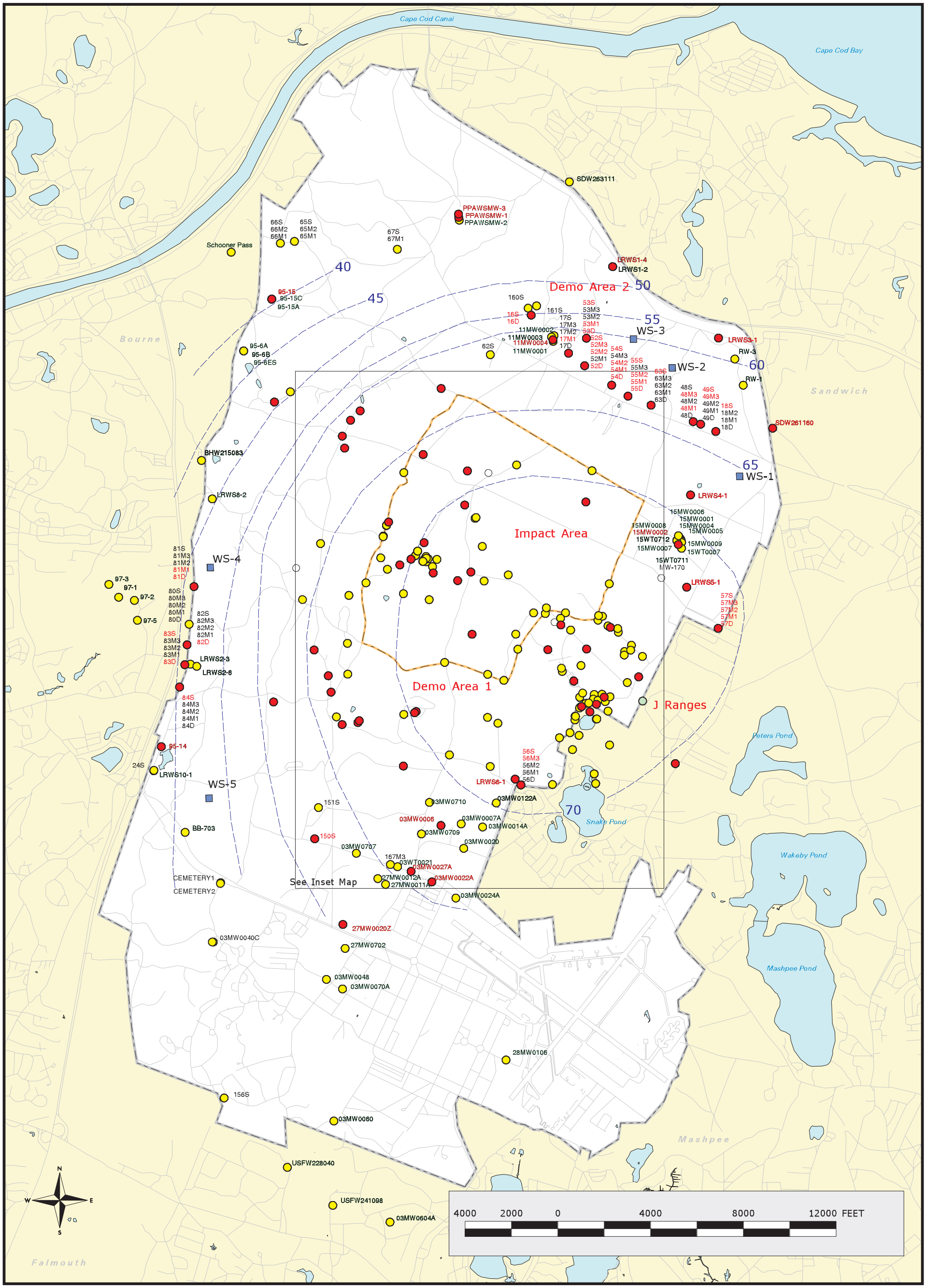


LEGEND

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

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

Figure 1 - INSET MAP
Explosives in Groundwater
Compared to MCL/HAs
Validated Data as of 09/28/01
Analyte Group
1

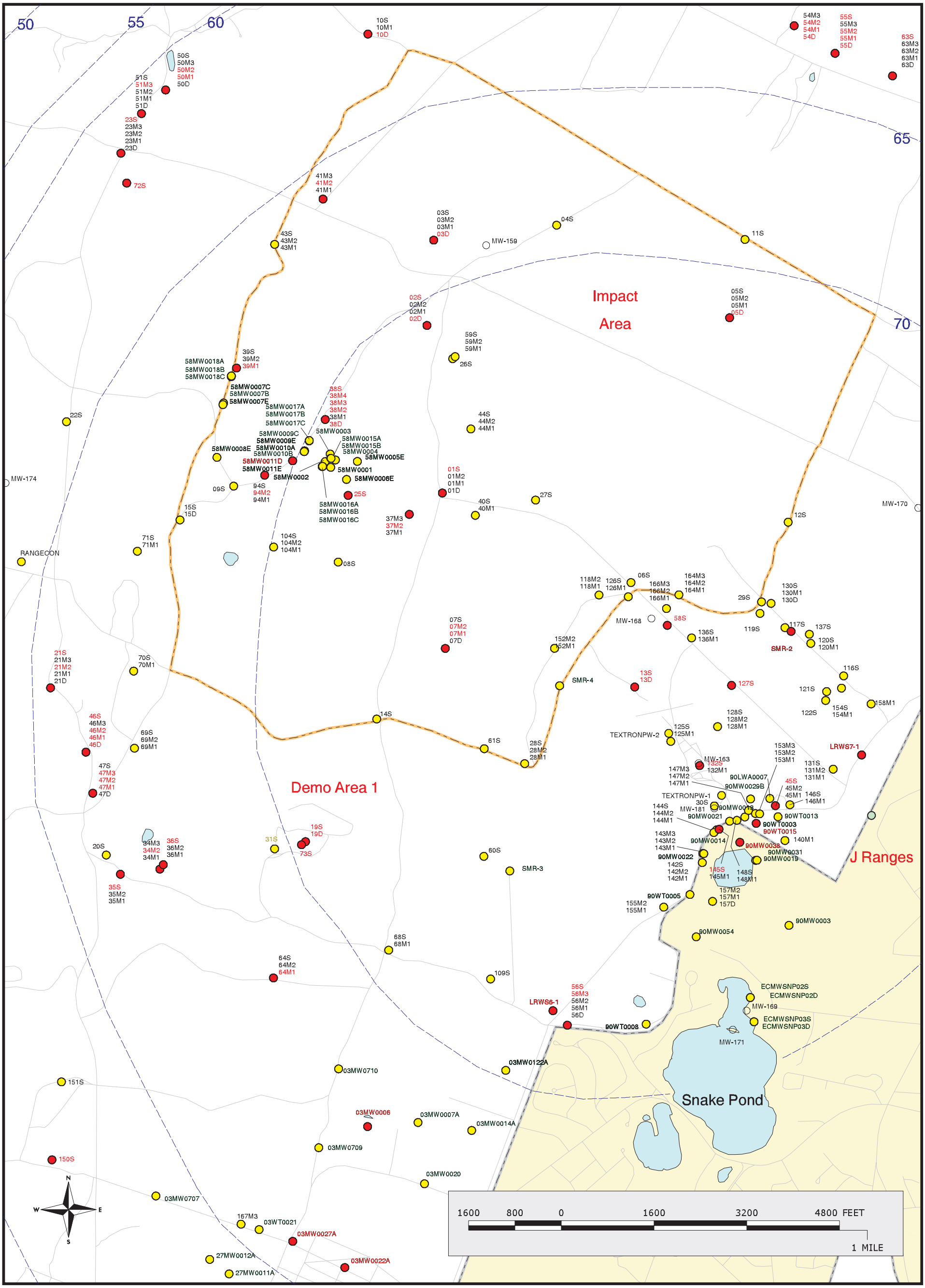


LEGEND

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

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

Figure 2
Metals in Groundwater
Compared to MCL/HAs
Validated Data as of 09/28/01
Analyte Group
2



LEGEND

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

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

Figure 2 - INSET MAP
Metals in Groundwater
Compared to MCL/HAs
Validated Data as of 09/28/01
Analyte Group
2

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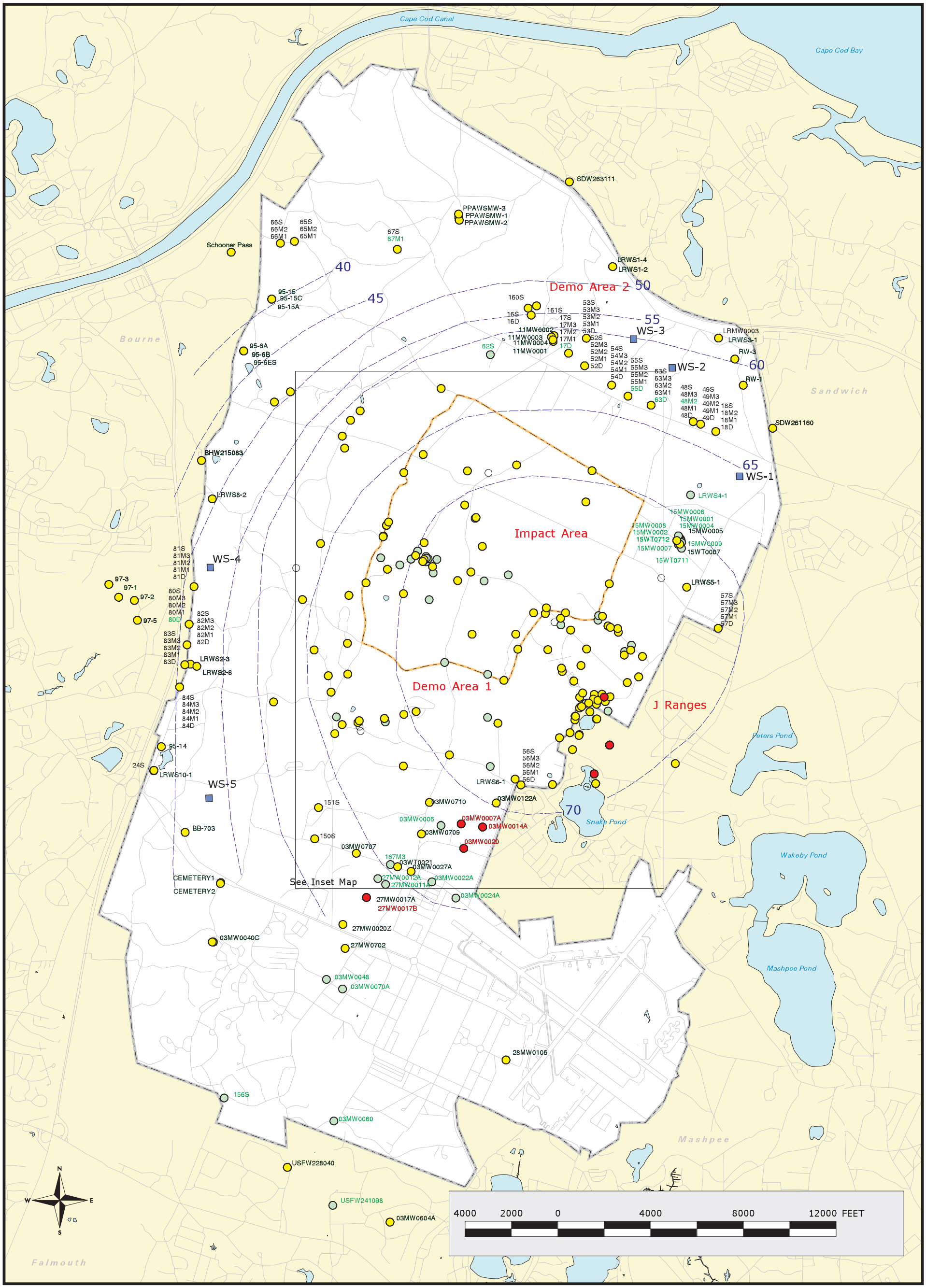
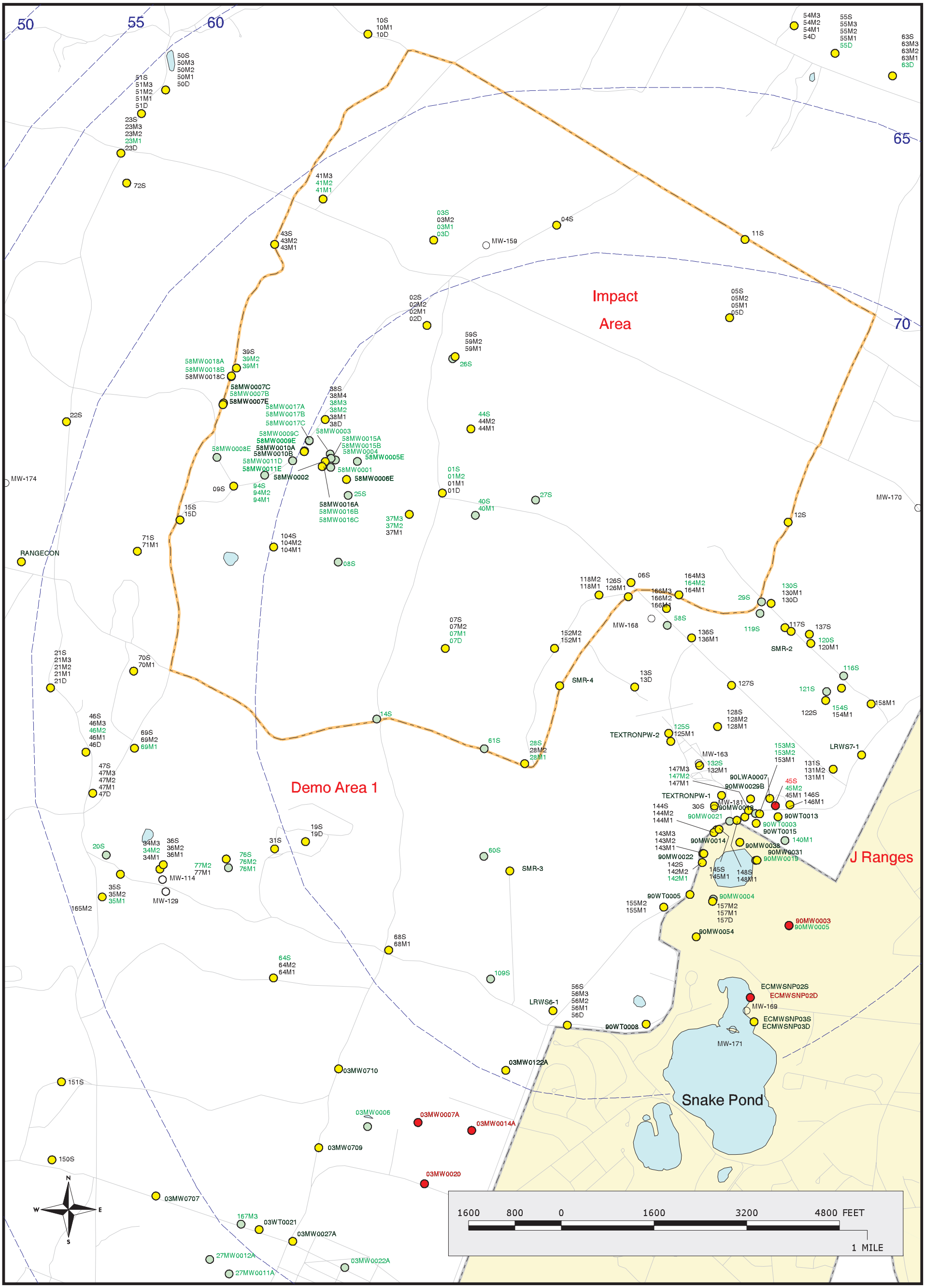


LEGEND

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

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

Figure 3
VOCs in Groundwater
Compared to MCL/HAs
Validated Data as of 09/28/01
Analyte Group
3

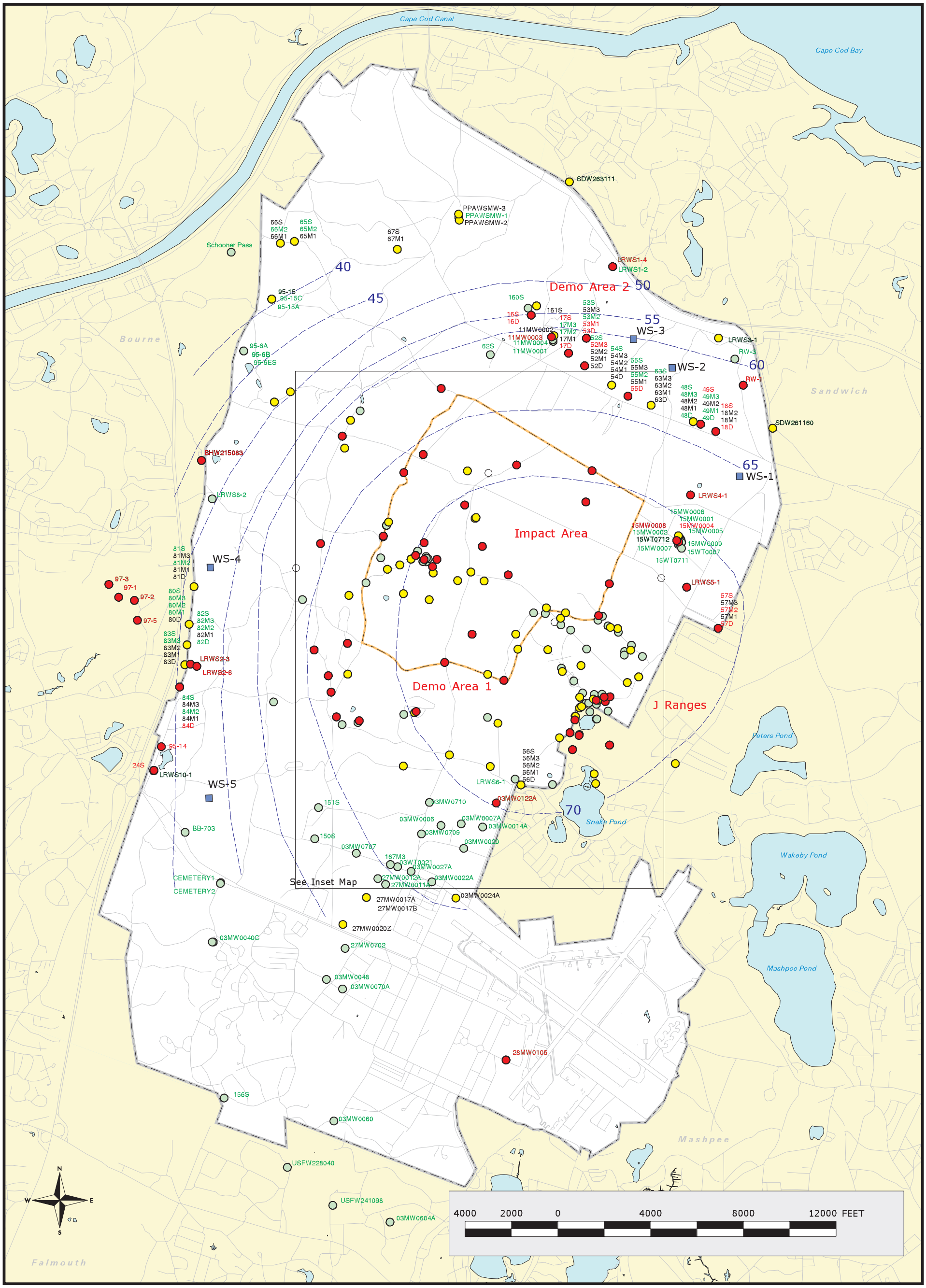


LEGEND

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

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

Figure 3 - INSET MAP
VOCs in Groundwater
Compared to MCL/HAs
Validated Data as of 09/28/01
Analyte Group
3

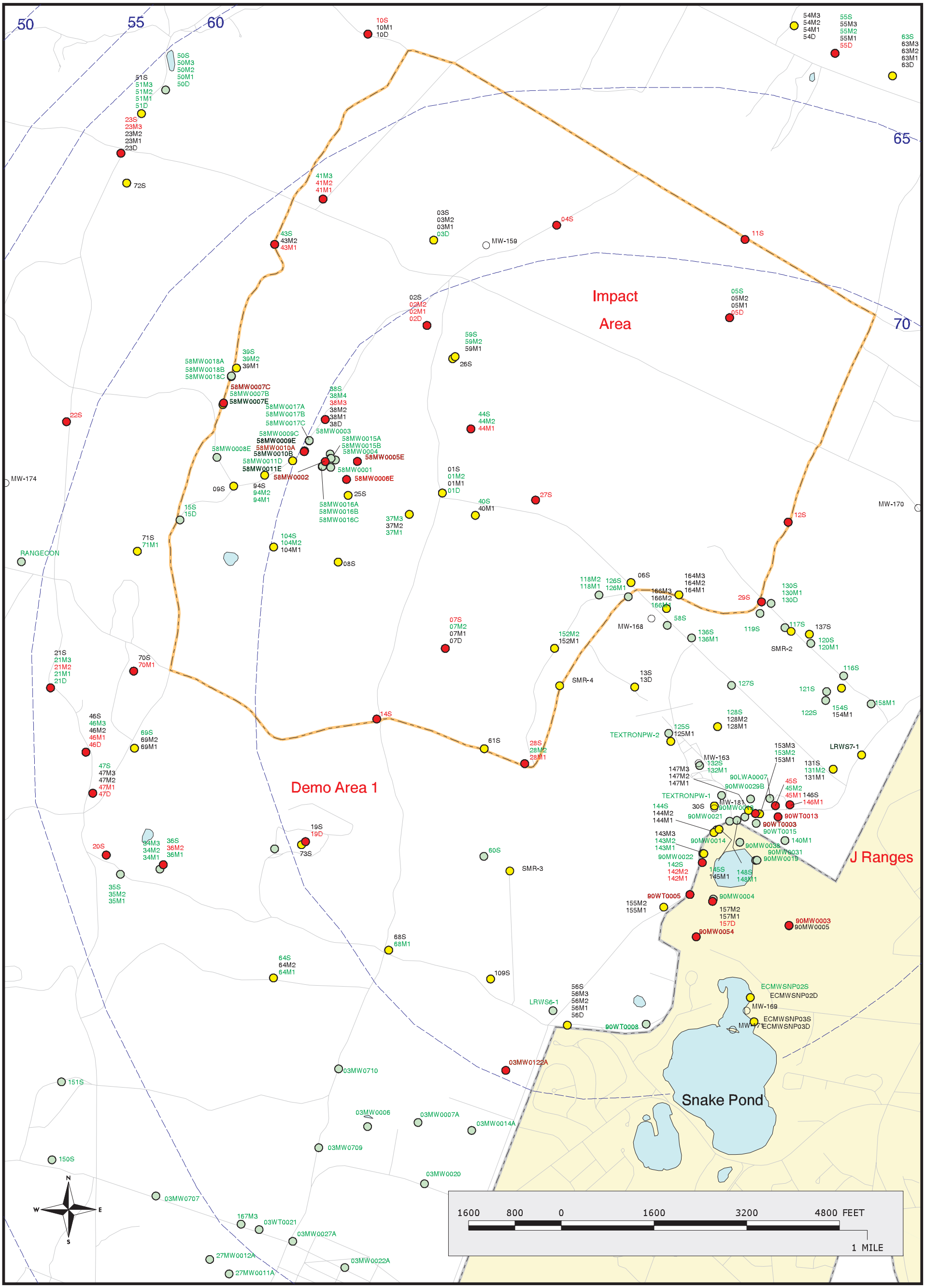


LEGEND

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

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

Figure 4
SVOCs in Groundwater
Compared to MCL/HAs
Validated Data as of 09/28/01
Analyte Group
4



LEGEND

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

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

Figure 4 - INSET MAP
SVOCs in Groundwater
Compared to MCL/HAs
Validated Data as of 09/28/01
Analyte Group
4

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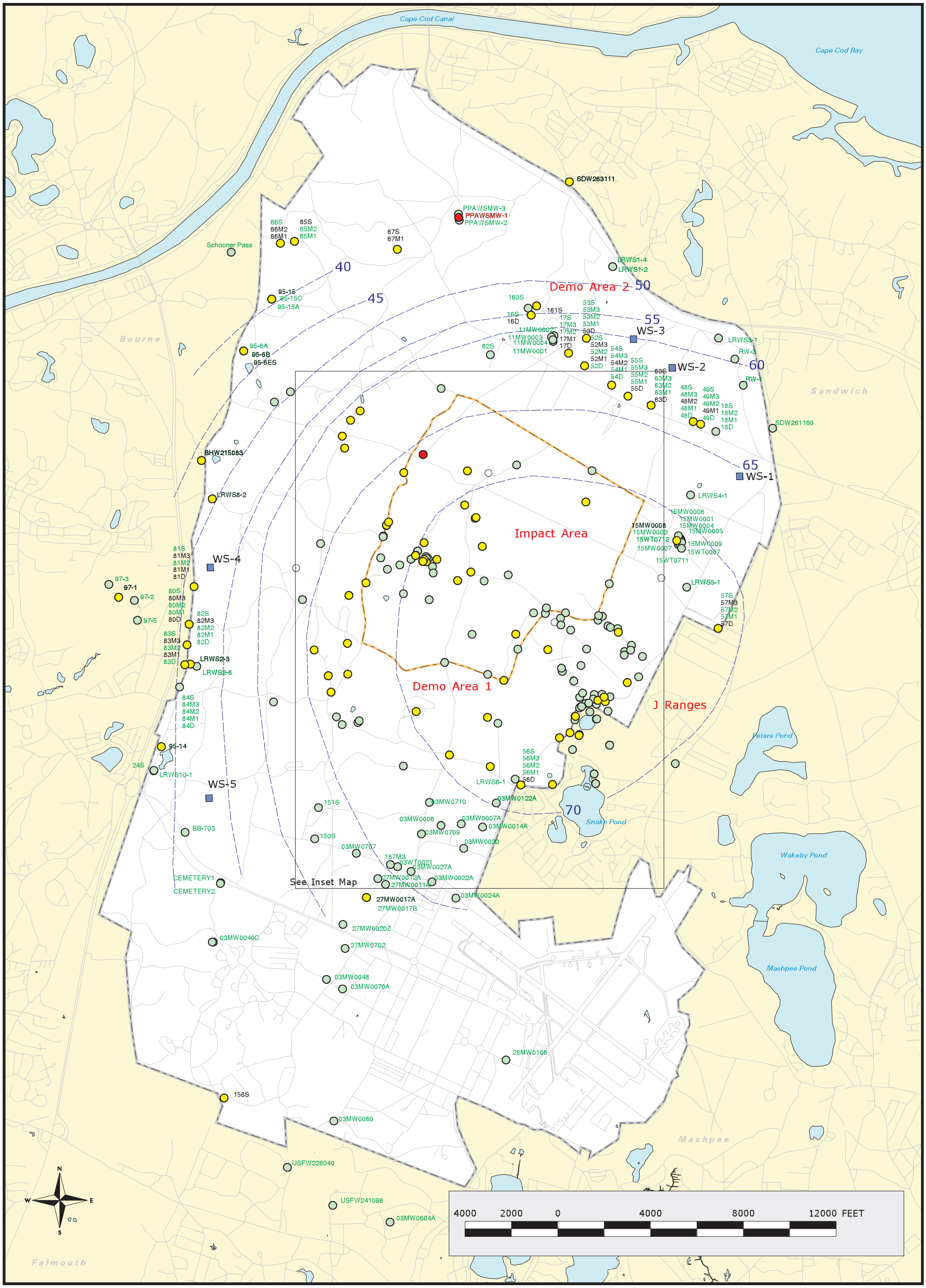


LEGEND

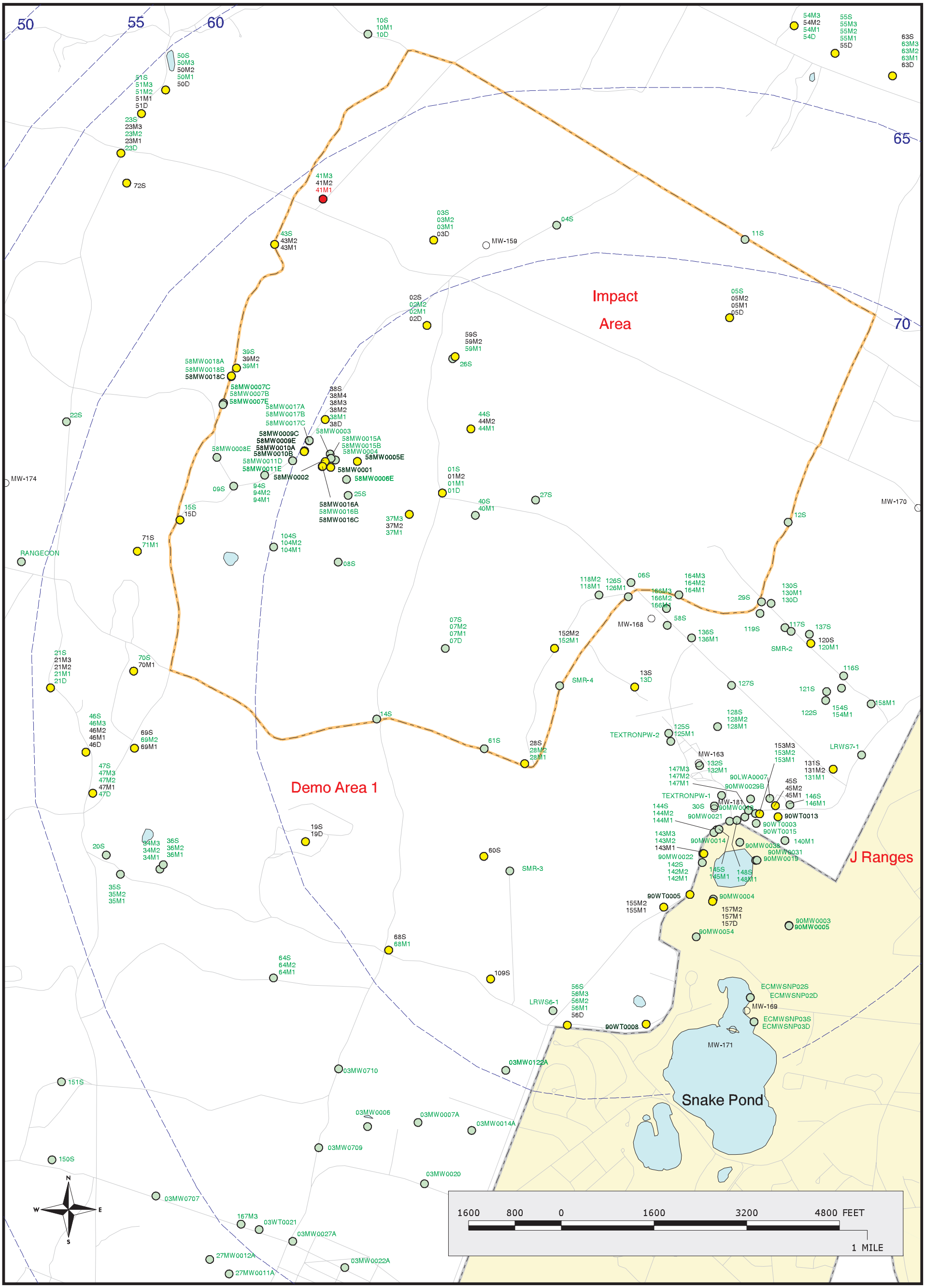
- Validated Detection GTE MCL/HA
- Validated Detection LT MCL/HA
- Validated Non-detect
- No Data Available

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

Figure 5

Herbicides and Pesticides in Groundwater Compared to MCL/HAs Validated Data as of 09/28/01

Analyte Group
5



LEGEND

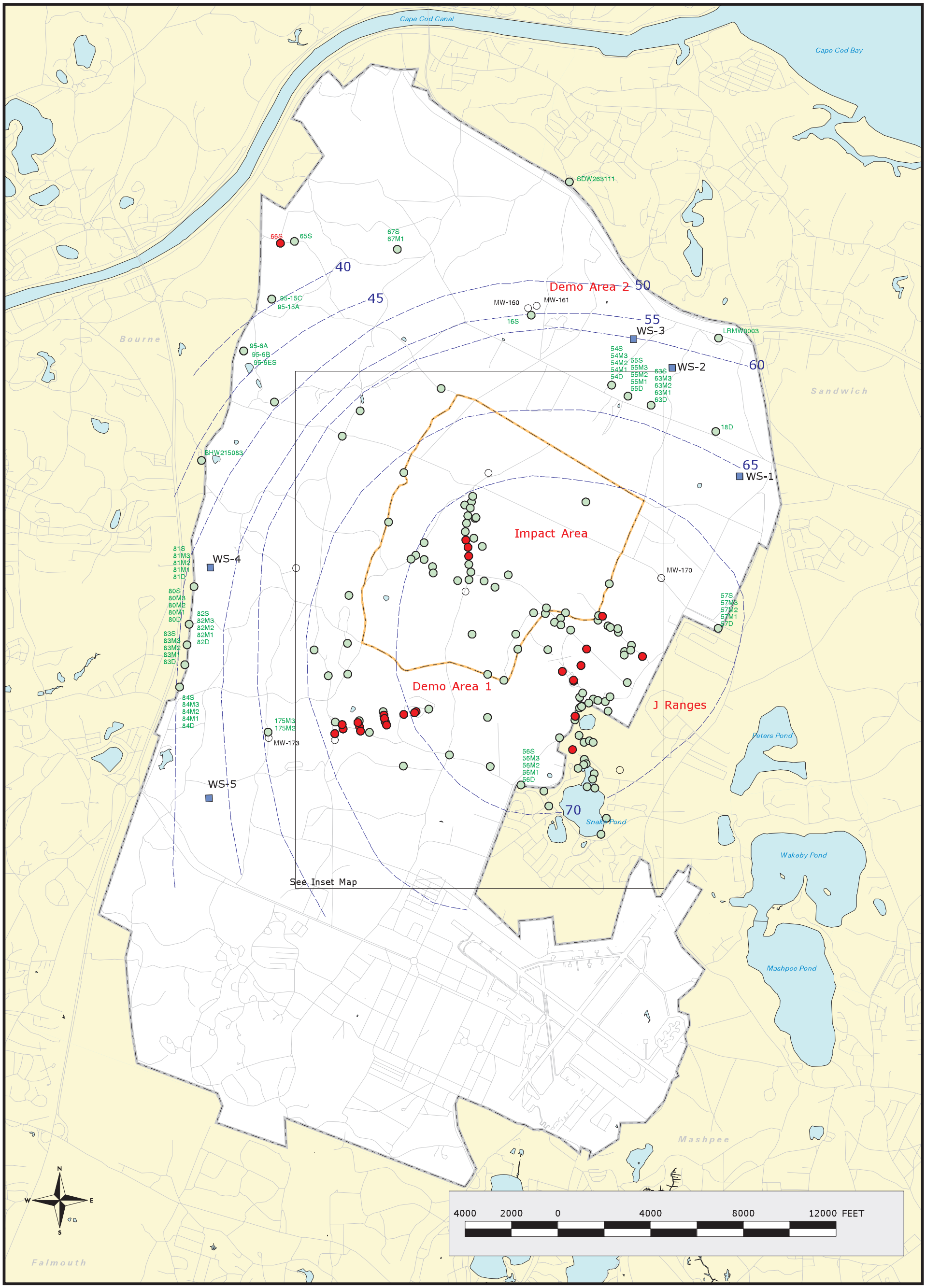
- Validated Detection GTE MCL/HA
- Validated Detection LT MCL/HA
- Validated Non-detect
- No Data Available

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

Figure 5 - INSET MAP

Herbicides and Pesticides in Groundwater Compared to MCL/HAs Validated Data as of 09/28/01

Analyte Group
5

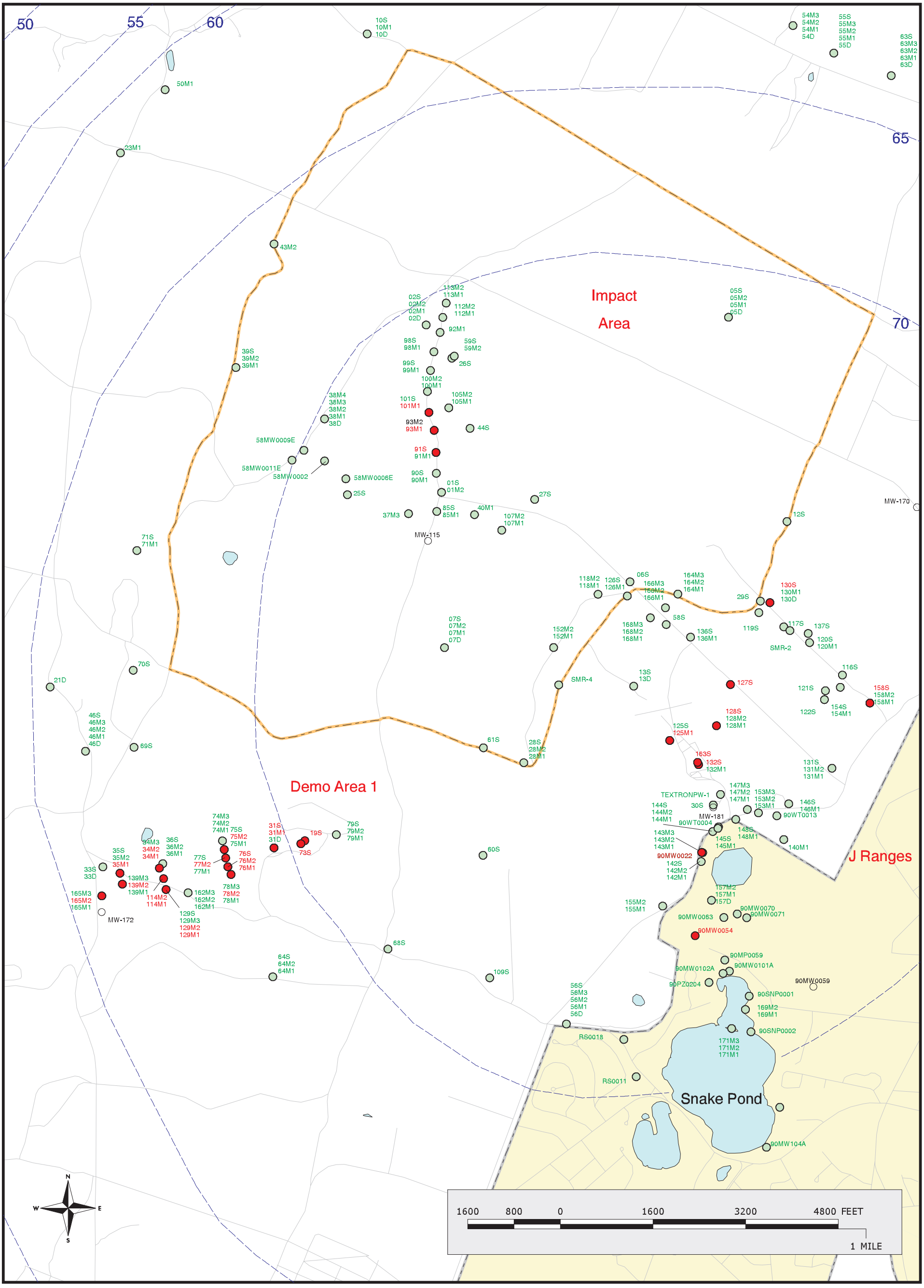


LEGEND

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

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

Figure 6
Perchlorate in Groundwater
Compared to EPA Limit
Validated Data as of 09/28/01
Analyte Group
6



LEGEND

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

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

Figure 6 - INSET MAP

Perchlorate in Groundwater Compared to EPA Limit Validated Data as of 09/28/01

Analyte Group
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