MONTHLY PROGRESS REPORT #50
FOR MAY 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 May 1 to May 31, 2001. Scheduled actions are for the six-week period ending July 13, 2001.

1. SUMMARY OF ACTIONS TAKEN

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

Table 1. Drilling progress for May 2001

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-166	J-1 Range well (J1P-7)	314	204	125-135 150-160 218-223
MW-167	Phase IIb well (BA-1)	130	44	100-110
MW-168	J-1 Range well (J1P-6)	288	202	103-113 198-208 256-266
MW-169	Snake Pond well (SP-1)	159	156	114-119 154-159
MW-170	Former K Range well (KP-1)	344	236	123-133 198-208 265-275
MW-171	Snake Pond well (SP-2)	189	186	29-34 81-86 141-146
MW-172	Demo 1 Area well (D1P-5)	162	98	

bgs = below ground surface
bwt = below water table

Completed well installation on MW-166 (J1P-7), MW-167 (BA-1), MW-168 (J1P-6), MW-169 (SP-1), MW-170 (KP-1), and MW-171 (SP-2). Commenced drilling MW-172 (D1P-5). Continued development of newly installed wells. Continued UXO avoidance of the Phase IIb soil grids. Approximately 4 cu yds of soil was excavated from the J-1 Range trench near the J1P-6 well pad.

Samples collected during the reporting period are summarized in Table 2. Groundwater profile samples were collected for MW-168, MW-169, MW-170, MW-171 and for AFCEE well 90MW104A (AFCEE D well) near Snake Pond. A sample was collected of a non-agueous phase liquid (NAPL) encountered at 270 feet in MW-170. Samples of transmission and hydraulic fluid used on the rig that was drilling MW-170 were also collected. Groundwater

samples were collected for 2001 Long Term Monitoring, the third round of Central Impact Area Supplemental Response wells and first round of newly installed wells (including the two new wells at Demo 1 and the two new Snake Pond wells). Split samples were collected of surface water samples at the Snake Pond public and Camp GoodNews beaches. Split samples were collected of Snake Pond drive point samples and Sandwich-area residential wells. A water sample was collected from the septic tank at the J-3 Range X-Ray building. Water samples were collected from the GAC system, the RRA Containment Pad and the FS-12 Treatment Plant influent and effluent. Soil samples were collected of residual cuttings at the newly installed well locations. Samples of orange filler material were collected from two 155mm rounds. Soil samples were collected at soil grids on the former C Range, the Gravity Anti-Tank Range, Cleared Area 4, Cleared Area 7, J-3 Range, and at the J-1 Range trench at the base of the supplemental excavation.

Pre- and post-detonation soil samples were collected in the HUTA. As part of the HUTA investigation, soil and wipe samples were collected from debris in Test Pits 3, 5 and 6, from UXORM in Test Pits 3 and 5, and from UXO in Test Pit 5. Soil samples were also collected in the Test Pit 5 and 6 areas and from soil beneath a UXO item in Test Pit 5.

The Guard, EPA, and MADEP had a meeting on May 3 to discuss technical issues, including the following:

CS-18 and CS-19 Updates

IRP's Tech team meeting was concurrent with the IAGWSP Tech team meeting, therefore no AFCEE representatives were present at the IAGWSP Tech team meeting. Ken Gaynor (Jacobs) provided a one-page handout by email prior to the meeting. The handout was distributed by Heather Sullivan (ACE) with the suggestion that any questions be directed to Mr. Gaynor.

- At CS-18, soil boring at 16MW0006 was completed. Development of new wells and the fourth pre-existing well will be completed this week.
- At CS-19, assuming UXO/soil sampling subcontract is awarded this week, trenching will commence 5/21. Auger drilling of three downgradient monitoring wells will commence on or about 6/18 and be completed in 4 to 5 weeks.
- Particle tracks using 2001 water level data and proposed well locations are being discussed at IRP tech meeting 5/03. The soil management plan is also being presented at this meeting.
- Near the end of the tech meeting, Mike Jasinski (EPA) returned from the IRP tech meeting and indicated that only one of the three CS-19 locations (the one in the center of the plume; CS19P-2 on IAGWSP maps) had been selected. The other locations were not selected because Jacobs reported that they did not have information (coordinates, well construction specifications) on Guard wells in the vicinity of the CS-19 plume and this information was needed to select final well locations and proposed screen intervals.

Water Supply Study Update

- Several Tech team members indicated that the pipeline installation was complete.
- Keith Comer (Robbins-Gioia) provided EPA with a memorandum from LTC Bleakley (JPO) regarding items that were uncovered during the pipeline installation. The memo explained that the object previously referred to as a "mortar fin" was a 37mm round. The incident report on the 37mm round was attached to the memo. The memo further explained that after checking with Camp Edwards, there was no incident report on the .50cal bullets. Todd

Borci (EPA) requested further information on the exact location of the items (point on a map) and the final disposition of the items.
- Jane Dolan (EPA) indicated that according to Frank Fedele (ACE) information on the ZOCs will not be released until approved by the State.

Munitions Survey Update

Larry Hudgins (Tetra Tech) presented the update concerning the HUTA and DU Study. Doug Lam (Tetra Tech) presented the update concerning the J-Range geophysical investigations and AIRMAG survey. A one-page handout was distributed.

- Since last week, additional work was completed only at HUTA Test Pit #6. Final QC was completed on Lift 1D. The Power Screen was not used to sift soil since all significant fragments had been removed by hand. Although all prior lifts have been screened with the Power Screen, this step has not yielded any significant munition fragments, therefore this practice will be discontinued. Lift 1D will be excavated tomorrow, 5/4. Three BIPs will be completed today 5/3.
- Although work is completed at Test Pit #4, Tetra Tech is awaiting analytical results prior to backfilling.
- Ben Gregson (IAGWSPO) indicated that a letter will sent to the agencies next week, proposing to redefine the Draft HUTA 1 Report, due 5/18, as an Interim Report.
- Todd Borci (EPA) requested that the report include a brief description of what items were uncovered and their relative condition, as well as some generalizations regarding the munitions, such as the condition of items found near the surface compared to those found deeper in the Test Pits.
- Marc Grant (AMEC) inquired if there was a 2 week window of opportunity available to drill a well within the HUTA safety zone. Mr. Hudgins indicated that there was not any scheduled down period, but that Tetra Tech was working with Nick Iaiennaro (ACE) to use engineering controls (berms, etc.) so that the safety zone could be reduced.
- J-2 Range ground geophysical findings will be reviewed with the agencies next week. Both J-1 and J-3 Ranges ground geophysical data has been received and is being evaluated. Although a definitive date for presentation of this data was not proposed, it will likely be prior to 6/15.
- AIRMAG data maps will be available next Wednesday for review with the agencies. John MacPherson (ACE) suggested that Mr. Borci provide a time when they can meet to review the target picks to be investigated for the initial ground-truthing and to review the daily standardization (prove out) aerial map. Mr. Borci to email suggested meeting time.
- A Tech Memo summarizing the DU data will be presented to ACE in late May. Information will be provided to Tina Dolen (IAGWSPO) so that a press release summarizing the findings can be prepared. Mr. Borci requested that this effort be coordinated with EPA and DEP.

Rapid Response Action Update

Scott Veenstra (AMEC) presented an update of the RRA.

- Water management at the RRA containment pad continues pending a rain event so that one more confirmation sample can be collected of pad runoff.
- Completion of Work Report for RRA Group 1 was submitted to agencies 4/30.
- RRA Mortar Target 9 and Former H Range Draft Soil Contamination Delineation Report was submitted to the agencies on 4/20. No comments have been received yet. Input is needed specifically regarding the proposal to change additional delineation sampling grid approach (additional delineation limited to nodes where exceedances were detected rather than another ring grid with 10 foot greater radius) and limiting the soil excavation to hotspot

removal. EPA indicated that comments were forthcoming, but that the Guard should be preparing for additional delineation work and soil removal.

- Todd Borci (EPA) indicated that he had sent out a letter specifying deadlines for completion of RRA Work for the Former H Range. Additional delineation sampling should be completed by 6/1, excavation of soil should be completed by 9/1, and restoration work should be completed by 10/1. LTC Knott (NGB) indicated that EPA, Corps and Guard were currently discussing the scheduling/contracting issues resulting from the designation of the Former H Range as a FUDS site. Resolution of these issues is a priority for the Guard.
- Awaiting on data to complete Grain Size Analysis for the Soil Washing Process Confirmation/Optimization summary.
- Rewashing of 485 yards of retained soil and next phase of excavated soil will probably commence in early June; the schedule is dependent on a 4-5 week contracting process.

Groundwater Study

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

- Installation of monitor wells MW-166 (J1P-7) and MW-167 (BA-1) will be completed this week. Drilling of MW-168 (J1P-6) commenced this week. The MW-168 location was close to the original proposed location, just north of the trench area. RECs for D1P-5 and revised Former K Range location were submitted to ACE 4/30.
- This week, profile samples were split from AFCEE Snake Pond well "D", 90MW104A to be analyzed for explosives. Later in the meeting Mike Jasinski (EPA) reported that there were no detections of EDB in the profile samples Jacobs collected from this well. AFCEE was waiting on explosives results to set any screens to monitor detections IAGWSP team was interested in. There was a shallow detection of PCE in trace concentrations; however, well screens were not set at the depth of this detection but at depths determined by particle track projections. Rush explosive data were received later during the Tech meeting; no explosives were detected in the split profile samples from 90MW104A.
- Next week will continue drilling MW-168.
- Snake Pond spit well SP-2 drilling will be delayed 6-8 weeks due to nesting geese. Discussion ensued during Punchlist discussion on whether Guard should wait for geese fledglings to mature or drill alternative location on Arnold Road. Mike Jasinski (EPA) indicated later in the meeting that while AFCEE preferred the SP-2 location they would accept decision of IAGWSP Tech team. Tech team generally concurred that the best option would be to wait 6-8 weeks for the original proposed location. Camp Good News to be notified that drilling on spit would take place in late June-early July, since operation would be in view of campers. Ben Gregson (IAGWSPO) indicated that drilling of the other Snake Pond well (SP-1) to commence first, possibly next week.
- May LTM groundwater sampling round and sampling of newly installed J Range wells continued this week and will continue next week.
- Contracting issues with Jacobs have delayed AFCEE's sampling of Old Snake Pond Road residential well; no information is available on probable sampling schedule.
- Soil sampling and UXO avoidance was continued at the Cleared Area 4, Former C Range , Gravity Range, and J-3 Range grids this week. Next week, soil sampling and UXO avoidance will be continued at J-3 Range and Cleared Area 7 locations. Bill Gallagher (AMEC) to contact Todd Borci (EPA) regarding site visit to select Cleared Area 7 sampling locations possibly Tuesday or Wednesday morning.
- No vegetation removal was conducted this week and none is scheduled for next week.
- Marc Grant (AMEC) reiterated that the explosive analysis for trench soil samples and stock pile soil samples at the J1P-6 trench were non-detect. The results for the other analyses,

except SVOCs, have been received. SVOC results should be received today. When tabulated, the data will be distributed.
- Perchlorate results have not been received for samples collected from PZ204.
- Todd Borci (EPA) indicated that he would review Stage III, Supplemental BIP grid results for P-19 BIP provided last week and let Guard know if additional delineation will be required or if EPA concurs that contamination is attributable to activities other than the BIP.
- Ben Gregson (IAGWSPO) indicated that it was the Guard's intent to collect split samples during AFCEE's shallow drive point sampling at Snake Pond.
- Jane Dolan (EPA) suggested that Guard split samples during AFCEE/Town of Sandwich surface water sampling. Coordinate with MADPH.
- Jane Dolan (EPA) indicated that as a result of her review of Textron files at Hale & Doar in Boston (attorneys for Textron) she had reviewed and was requesting copies of J-1/J-3 Range photographs that showed the layout of the ranges during periods of testing and general contractor use.
- Jane Dolan (EPA) requested a list of wells and particle tracks that were completed at the end of April in the vicinity of FS-12 extraction system. Ms. Dolan also asked for an update on the Tritium data sent to Univ. of Miami approximately 6 weeks ago.

May IART

General discussion ensued about possible IART topics among the Tech team members. Two principal topics were proposed:
- Geophysical Update.
- More detailed Groundwater Study Update to include general groundwater data, update on Demo 1 area, refresher and status of Phase IIb Scope, status of RRA .

Todd Borci (EPA) indicated that he would draft agenda and send to Guard Monday.

Document /Schedule Status Update

Marc Grant (AMEC) provided the update on document and schedule status, distributing a one page table, 3-month Lookahead schedule, and a table outlining the scheduling issues. Highlights of the document/schedule status were reviewed as follows:
- Documents Having Comments. Guard was looking for comments/approvals on MORs for J-2 Additional Delineation Work Plan (after Tech meeting), TM 01-5 Demo 1 GW FS Screening Report (comment from Todd Borci to be addressed by Mark Applebee (AMEC) tomorrow, 5/4), and TM 01-6 Central Impact Area Groundwater Report.
- Documents Needing Comments. RRA Round 1 Completion of Work Report was sent out Monday, 4/30.
- Documents to be Submitted. Supplemental Background Workplan is to be submitted today, 5/3. RRA Round 2 Grain Sizing Report to be submitted next week. New date needs to be established for RRA Round 2 Soil Removal Summary based on letter from Todd Borci.
- Todd Borci (EPA) agreed that EPA would provide comments on the Draft HUTA 1 Interim Report and that the Guard should provide Responses to Comments. This information then would ultimately incorporated into a Final HUTA 1 Report. No Final Interim Report would be required.
- Yellow highlighted extension request items were addressed by EPA last week's letter.
- Schedule for Demo 1 and Gun and Mortar characterizations reflect extensions provided in EPA's letter.
- Scheduling issues remain unresolved for J-2 Range Additional Delineation Planning, Training Area Investigation and Phase IIb Investigations – extension requests are pending.

Particle Tracks

Jay Clausen (AMEC) provided particle tracks for MW-164 (J1P-5) and the Demo 1 Area as requested in last week's Tech meeting. Two maps were distributed.

- MW-164 forward particle track was modeled as tracking northwest between MW-3 and MW-159 (near the five corners area). Cross-section showing depth of particle track would be available tomorrow, 5/4.
- Water level information on the map was based on 1999 synoptic water level round. 1993 (an average water year) water level data was used for modeling.
- The Demo 1 area showed multiple particle tracks originating from north to south across the Demo 1 area. A forward particle track was also provided from MW-165 (D1P-4). A line was also drawn connecting the wells with the highest concentrations of explosive detections – the line was then projected on to Pew Road. The particle tracks showed that groundwater, after initially tracking west, south-west curved slightly north, such that the tracks projected onto Pew Road almost directly west of Demo 1. The highest concentration line projected on to Pew Road approximately 1000 feet south of the MW-165 particle track.
- Don Walter (USGS) indicated that the fact that actual detections were south of the modeled particle tracks suggested that the morraine was "looser" (higher permeability) than current input parameters allowed. He felt it was doubtful that the straight line projection reflected a realistic flow path, but that the track of the plume was likely slightly south of the particle tracks.
- DIP-6 was proposed to be located just south (100 ft) of the projection of the MW-165 particle track on to Pew Road.
- Results of sampling D1P-5, once installed, might also have information useful in locating D1P-6, Pew Road well. A proposed location can be revisited once this data is available.
- John Rice (AMEC) indicated that the REC would be proposed for a stretch of Pew Road so that proposed location would be ready to drill even if the Tech team decides to adjust the location.

Resolution meetings on the MOR for the J-2 Additional Delineation Work Plan and J-2 Interim Report Response to Comments followed the Tech meeting.

The Guard, EPA, and MADEP had a meeting on May 10 to discuss technical issues, including the following:

ASR Update

Eli Kangas (ACE) was introduced and provided an update on the ASR; a five page handout was distributed.

Significant Accomplishments

- Draft Report of interview findings completed and distributed to team for comment on 3/1.
- Picatinny Arsenal trip reports distributed to team 4/24.
- Firing fan plotting is complete and under in-house review. Consensus was reached on acquiring stereo aerial photographs for years 1947, 1958, 1962, and 1972. Rock Island District Corps will be responsible for acquisition. Chris Churney (ACE) has indicated that photos will likely be available in July (6-8 weeks from request).
- Draft report of military history research forwarded to CENAE and NGB on 5/3.

Upcoming Actions

- If no additional comments on draft ASR interviews report by 5/11, the final report will be distributed to team.
- If no additional comments on draft AFCEE interviews report by 5/11, the final report will be distributed to team. Jane Dolan (EPA) commented that the interviewee names needed to

be deleted. Ken Gaynor (Jacobs) inquired if ACE had received comments from AFCEE on interviews, suggesting that ACE contact Mike Minior (AFCEE).

- If no additional comments on draft BOMARC records summary memorandum by 5/11, the final report will be distributed to team.
- Pending NGB approval (to NGB on 5/3), the draft military historical research report will be distributed to team. Todd Borci (EPA) asked to see the report before it went "final".
- If no additional comments are received on the Real Property Documents obtained from MAANG files memorandum by 5/11, the document will be finalized and distributed to team.
- If no additional comments are received on 25 January 2001 memorandum regarding the use of DU by 5/3, the document will be finalized and distributed to team. Ms. Dolan indicated that she had corrections to Ben Gregson's (IAGWSPO) memo.
- If no additional comments on the March 2001 final communication plan by 5/11, the document will be distributed to team.
- GIS efforts are on hold until Tetra Tech is provided with final revised ASR.
- Rock Island District will provide a timeline/funding requirements for aerial photos and distribute the firing fan to the ASR team.
- Rock Island District has tentatively scheduled a visit to MMR on 5/14; their effort to compile and review ammo supply records and revise ASR continues.

Major Milestone Schedule

- Final report on interview findings – 4/30
- Final report of military historical research findings – 6/15
- Draft/final report on contracts research – 5/30 – 7/30
- Draft, revised ASR – 7/31
- Final, revised ASR – 9/30
- Draft ASR / Integrated GIS – 11/30
- Final ASR / Integrated GIS – 1/31/02

Munitions Survey Update

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

- Since last week, additional work was completed at HUTA Test Pit #3 and Test Pit #6. In Test Pit #3, the surface soil chemistry sampling and surface geophysics is completed. Hand excavation of anomalies has commenced. In Test Pit #6 Lift 1D was excavated. The geophysics has been completed on Lift 2 and are currently hand excavating anomalies.
- Although work is completed at Test Pit #4, Tetra Tech is awaiting analytical results prior to backfilling.
- Schedule for presentation of J-1 and J-3 Range ground geophysical data likely to be set tomorrow, 5/11. Review of J-2 data was presented later in the meeting. Four maps showing anomalies (marked by X's) on the four sections of J-2 Range were distributed. Maps also showed target picks denoted by brown or rust-colored outlined areas. The areas encircled by the brown/rust lines indicated either single sizeable anomalies or a cluster of sizeable anomalies. These areas are interpretive and were hand drawn (not contoured by a software program). Mr. Lam indicated that differential data (difference in signature between top and bottom coils of EM cart) would not be utilized since they considered the top coil data to be good for additional info but not reliable for "hard core evidence". Outside the brown/rust areas are background data or individual hits.
- As part of the Air Mag survey, a list of selected targets and maps were provided to ACE and EPA. Mr. Lam requested that EPA provide a copy of these maps to DEP. Approximately 130 targets have been selected for the initial ground truthing. There were three general criteria used to make picks. 1) anomalies indicative of a large mass (500 lb minimum) 2)

anomalies observed on both aircraft passes. 3) anomalies close to historic or existing roads. Current plan is to have one team ground truth for 2 weeks or two teams ground truth for 1 week. Todd Borci (EPA) indicated that EPA has some additional picks (approximately 50) to add to list. Mr. Borci further indicated that he feels that the ground truthing effort should continue uninterrupted (or relatively soon) past the initial one week effort; the EPA was not interested in a lengthy technical memo summarizing initial findings and refined approach that would take substantial time to prepare. He further asked that a secondary target list be prepared as the primary target list was being ground truthed so that this effort could be expedited. He also suggested that threshold for anomalies be lowered to 200 lbs and anomalies not near roads be considered so that the agencies could see how many targets these criteria produced.

- A draft Tech Memo summarizing the DU data will be presented to ACE in late May. Tina Dolen (IAGWSPO) is preparing a press release summarizing the findings; this will be coordinated with EPA and DEP. EPA expressed some concern about preparing the press release prior to receipt of the report.

CS-18 and CS-19 Updates

Ken Gaynor (Jacobs) presented an update on CS-18 and CS-19, distributing a one-page handout

- At CS-18, monitoring well development was completed. Groundwater sampling of the seven site wells will be completed next week. A particle backtrack from well 16MW0005 will be completed following survey of the new wells.
- At CS-19, EPA/DEP concurrence was received on trench location at 5/9 IRP tech meeting. Soil testing and management plan details were also presented at the meeting. Mr. Gaynor to email plans to Todd Borci (EPA) and Dave Hill (IAGWSPO).
- Proposed downgradient well locations were presented at 5/3 IRP tech meeting. Particle tracks used by AFCEE to select locations were distributed via email to IAGWSP team prior to Tech meeting. Mike Jasinski (EPA) will forward comments prepared by AMEC on particle track map and proposed well locations to Mr. Gaynor. Currently Jacobs will prepare backward particle tracks from MW-135 and MW-108 to adjust well locations. This information will be presented at next week's tech meeting.
- CS-19 trench excavation is scheduled to begin with the small trench on 5/21.
- Partial analytical results for sediment sampling of puddle were received. VOC data and surface water data are not yet available. This data will be distributed when available.

Water Supply Study Update

- Todd Borci (EPA) reiterated his request for the exact location of the .50 cal bullets and 37mm round (point on a map) found during the pipeline excavation and the final disposition of the items.
- Hap Gonser and LTC Bleakley (JPO) indicated that State had not approved ZOCs, but that approval was expected "soon", perhaps "imminently". Once approval is received, JPO and State will meet to discuss other issues that are required to complete project. ZOCs will determine where monitoring wells will be placed. Projected schedule for completion of well installation is July. WS-3 to be installed first followed by WS-2 and WS-1.

Rapid Response Action Update

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

- Water management at the RRA containment pad continues pending a rain event so that one more confirmation sample can be collected of pad runoff.
- Comments on Work Report for RRA Group 1 are requested from agencies by 5/21.

- Comments on RRA Mortar Target 9 and Former H Range Draft Soil Contamination Delineation Report were received 5/4.
- Conceptual approach for supplemental delineation sampling was presented at the meeting. A two-page handout showing proposed "quarter ring sampling grid" and area calculations was distributed. Proposed sampling grid configuration for next 10 ft radius (45 ft) out from Mortar Target 9, consisted of 5 nodes distributed evenly along one quarter of the arc of the ring grid. Nodes to be centered (40 ft from target center) within this area. Additional delineation grids, if required, would be another 10 ft out with 4 nodes centered within one eight of the arc of the ring grid. For both grid configurations discrete samples would be collected at each node, as well as a composite for the entire grid. Two depths would be sampled; 0-6 inches and 18-24 inches consistent with the first phase of delineation sampling. Agencies approved of the proposed sampling approached; Todd Borci (EPA) requested that a letter summarizing the approach with sketch attached be drafted as an amendment to the existing Field Sampling Plan
- Schedule for RRA 2 Mortar Target 9 soil removal includes UXO clearance, soil removal and site restoration pending completion of contracting and subcontracting. Because of additional delineation requirements it is likely that clearance and excavation of delineated soil can be completed by 6/1 deadline, but analytical results would not be back. Mr. Borci indicated that the Guard can ask for an extension, but explanations of why the schedule has dropped behind need to be made. Ben Gregson and Dave Hill (IAGWPSO) indicated that the contract is currently lump sum and does not allow for much flexibility, however, for the future work the contracting process can probably be adjusted to facilitate additional delineation and removal when needed.
- Grain Size Analysis for the Soil Washing Process Confirmation/Optimization summary for Mortar Target 9 was submitted to agencies on 5/7. The summary concluded that the soil washing process is best utilized in its current configuration.
- Rewashing of 485 yards of retained soil and next phase of excavated soil will probably commence in early June; the schedule is dependent on a 4-5 week contracting process.

Groundwater Study

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

- Installation of monitor well MW-168 (J1P-6) was completed this week. Drilling of MW-169 (SP-1) and Former K Range well (pending REC approval) commenced this week. Next week, will complete well installation of MW-169 and continue drilling Former K Range well.
- Snake Pond spit well (SP-2) can be drilled next as geese eggs have been destroyed. Circumstantial evidence points to crow(s) as the perpetrator(s).
- No additional profile samples were collected from AFCEE Snake Pond well "D", 90MW104A. Mike Jasinski (EPA) reported that the borehole was profiled from 20 - 170 ft. Two well screens were set at 85-90 ft and 140-145 ft. Jacobs offset the first borehole to drill to 250 ft. At 190 ft running sands were encountered and no additional profile samples were collected. Set a well screen from 115-120 in the offset borehole. No information was available on why the screen was set at this interval. Plan is to drill @ "C" location next.
- May LTM groundwater sampling round and sampling of newly installed J Range and Demo 1 wells continued this week. Sampling of LTM round and newly installed J Range wells will continue next week.
- Former owners of property on which 90PZ211 and 90PZ208 are located indicate that the property was sold. ACE to research and contact new owner(s).
- Soil sampling and UXO avoidance was/would be conducted at the Cleared Area 7 and J-3 Range grids this week. Should complete soil sampling this week. Bill Gallagher (AMEC) to

meet Mr. Borci to select locations at Cleared Area 7 (small circular knoll with drum carcasses) at 1530 today, 5/10.

- Vegetation removal was conducted for Former K Range drill pad (2125 sq ft) this week; none is scheduled for next week.
- Data tables were distributed including 1) New Detects – Unvalidated. 2) Unvalidated Results for 3.5 inch rocket BIP on K Range and 155mm round found cracked adjacent to Turpentine Rd. 3) J-1 Range trench excavation unvalidated results. 4) Anti –Tank Gravity Range Unvalidated Results.
- New Detects table showed explosive detections in samples collected from wells108M4, 111M3, 135M2, 16S, 23M1 and 23M2. These detections were similar in type and concentration to the detections in previous rounds.
- Data for BIP grid of 3.5 inch rocket showed no explosive detections. Explosives were detected in soil beneath cracked 155mm round that was removed from Turpentine Rd, although final disposition is unknown. Marc Grant (AMEC) indicated that he would verify that soil in the sample area was covered with plastic. Mr. Rice to provide location of 155mm discovery on map.
- J-1 Trench data was emailed Monday (5/7) or Tuesday (5/8). Post excavation soil samples (A1-A5) had some semi-volatile detections. Samples from "dirty" soil pile had detections of semi-volatiles, BTEX and chlorinated VOCs. Samples from "clean" pile had trace concentration of PCE and toluene in the duplicate sample only. Trench was approximately 100 ft long by 4-5 ft deep. Additional excavation of soil was proposed with additional confirmatory samples. "Dirty" soil pile was to be disposed off-site. Trench would be backfilled with clean fill and clean soil pile (top soil) on top. Mr. Borci and Ed Wise (ACE) recommended that the Guard try to minimize the addition of fill material, that the trench be flattened into existing topography by leveling the trench sides. Clean Harbors is providing a proposal for additional work, which will be completed in a week or two. It was not known where Clean Harbors had disposed of drummed materials. The Guard will provide manifest or Bill of Lading information for the wastes.
- Map of Anti-Tank Gravity Range soil grid locations was distributed with data. Data was complete except for V grab sample. Six of the 22 grids where samples were collected had detections of explosives. The explosive detections included TNT and TNT breakdown products, one HMX detection, and no RDX detections.
- Ben Gregson (IAGWSPO) indicated that it was the Guard's intent to split surface water samples with Town of Sandwich, next week. Samples to be collected from two beach locations and analyzed for explosives. Jane Dolan (EPA) also recommended that they be sampled for perchlorate.
- Mr. Grant indicated that the Perchlorate update was emailed on 5/7. PZ204 was sampled for perchlorate on 4/2, results are expected next week. Tritium results were anticipated tomorrow, 5/11.
- Particle tracks from USGS for the SE corner of the J Ranges were distributed during the punchlist discussion. Particle tracks were shown when the FS-12 extraction system was on and off. In the off scenario, groundwater from 0-120 ft bgs discharges to Snake Pond. Deeper groundwater (only one particle track) flows under the pond. Dave Williams (MDPH) suggested that surface water samples should be collected at northend of pond, an area that Sandwich was not sampling. Mr. Gregson felt that data from spit well (SP-2) should be reviewed prior to consider additional sampling needs.

Document /Schedule Status Update

Marc Grant (AMEC) provided the update on document and schedule status, distributing a one page table, 3-month Lookahead schedule, and a table outlining the scheduling issues.

Highlights of the document/schedule status were reviewed as follows:

- Documents Having Comments. Guard was looking for approvals on MORs for J-2 Additional Delineation Work Plan and TM 01-8 J-2 Range Interim Data Report that were sent out 5/9. Jane Dolan (EPA) indicated that MOR for TM 01-8 was approved and that a response to the Additional Delineation Workplan would be forwarded ASAP. DEP comments on the Interim Data Report were received this week and would be addressed shortly. Demo 1 COC MOR was sent out today 5/10.
- Documents Needing Comments. Agencies indicated that they would be providing comment on Supplemental Background Workplan.
- Documents to be Submitted. HUTA 1 Interim Data Report would be submitted next week.
- Todd Borci (EPA) indicated that draft Post-Screening Investigation Workplan for Demo 1 groundwater could be dropped in accordance with the Guard's 5/8 letter and replaced with ITE studies ongoing (7/31). However, given that the Guard is aware of the agencies preference/opinions on various technologies does the FS Report for groundwater due date need to be as late as 9/25, a date established based on the completion of the ITE studies?
- Len Pinaud (MADEP) indicated that the RRA Delineation Sampling Report should be on the document list to track.

May IART

Discussion was led by Todd Borci (EPA). Draft agenda for May IART was reviewed.

- For the Munitions Update, a slide should be provided on the ASR process and other important items such as Picatinny arsenal records found and reviewed, aerial photographs ordered. Aerial Mag update should include map of targets, pointing out some of the larger targets, discuss approach to ground truthing targets and how the Mag data has already been used, such as to adjust monitoring wells locations to be downgradient of large anomalies.
- The groundwater study update should include discussion of Demo 1 plume and new proposed wells, recent explosive detections, Phase IIb update.
- RRA update should include status of Group 1 and Group 2.
- Action items were reviewed as follows:
    1) **Update on legal issues regarding Textron.** Army is negotiating with Textron for cost reimbursement. No comment on anything else due to litigation.
    2) **Assessment of ecological impacts**. Groundwater study addresses the Order. The Order focuses on impacts and prevention of impact to groundwater. As part of the MCP, an ecological screening assessment will be done for the final cleanup. Mike Hutchinson (MADEP) to be consulted regarding language in MCP.
    3) **EPA risk assessors review of revised calculations for small arms ranges report**. Risk assessors have reviewed report and the calculations are correct.

The Guard, EPA, and MADEP had a meeting on May 17 to discuss technical issues, including the following:

CS-18 and CS-19 Updates

Dave Del Marco (Jacobs) and Ken Gaynor (Jacobs) presented an update on CS-18 and CS-19 (respectively), distributing a six-page handout.

- At CS-18, groundwater sampling of the seven site wells will be completed next Tuesday, 5/22. A particle backtrack from well 16MW0005 will be completed following survey of the well location next week.
- Trench excavation Plan for CS-19 was presented. Handout showed 3D picture of trench

excavation plan and transverse cross-section for 40 ft trench. Trench is divided into four Segments. Five, 2 ft lifts (A-E) will be excavated at a 1/1.5 slope. Two 40 ft long trenches and one 100 ft long trench will be excavated.

- Particle tracks that were developed to select additional well locations to define the CS-19 plume (downgradient edge of concentrations in excess of HA) were presented. Forward particle tracks were shown for AFCEE wells 58MW0011D, 58MW0002, 58MW0018 and Guard wells MW-85, MW-111M3, MW-108M4, MW-39M3. Backward particle tracks were shown for MW-135M3, MW-108M4, MW-110, and MW-102. CS-19 plume appears to be bounded downgradient by wells on the south (MW-111M3) and north (MW-39M2). The particle tracks indicate that the plume is tracking northwest. Other detections downgradient and located further north and south do not backtrack to the CS-19 source area. A monitor well location to define the downgradient edge of the CS-19 plume was proposed approximately 500 ft north of Monument Beach Rd and 700 ft west of Spruce Swamp Rd in a wooded area between Spruce Swamp and Frank Perkins Roads.
- Mike Jasinski (EPA) requested a PDF file of the particle track cross-sections. Mr. Gaynor to email.
- Received agency concurrence on trenching soil testing and IDM plan at 5/16 IRP Tech meeting. Trench excavation to commence on 6/4.
- Received agency concurrence on proposed CS-19 well location at 5/16 IRP Tech meeting.
- Preliminary analytical results for puddle water sample were non-detect for explosives, pesticides and herbicides.

Munitions Survey Update

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

- Since last week, additional work was completed at HUTA Test Pit #3, Test Pit #5, and Test Pit #6. In Test Pit #3 hand excavation of anomalies continues. In Test Pit #5, surface UXO/UXORM items are being removed. In Test Pit #6, Lift 2A excavation was completed. Excavation of Lift 2B will probably be completed next Wednesday 5/23. Although work is completed at Test Pit #4, Tetra Tech is awaiting analytical results prior to backfilling. Anticipating completion of HUTA-1 by 9/1. Todd Borci (EPA) indicated that EPA had sent out letter yesterday requesting that a completion date be set by 6/21.
- J-1 Range ground geophysical data will be presented 5/30. J-3 Range data will be presented 6/15.
- EPA presented Tetra Tech with a list of 54 Air Mag targets that they would like to see included in the initial ground-truthing effort. Tetra Tech to provide a list of secondary targets for potential ground-truthing next week, using criteria defined by Mr. Borci at the 5/10 Tech meeting.
- A draft Tech Memo summarizing the DU data will be presented to ACE in late May. Jane Dolan (EPA) indicated that the press release should be released after submission and agency review of the DU Tech Memo, probably late June.

Water Supply Study Update

LTC Bleakley provided an update on the Water Supply Study.

- The location of the 37mm round was specified in the UXO discovery report by the intersection of two roads. The round was determined to be solid, no explosive component. The disposition of .50 cal bullets was not known.
- The Permit had been approved by the State; the approval was reported to be “in the mail”.
- Mike Jasinski (EPA) relayed that Dick Judge (Sandwich Selectmen) has requested that community input be solicited on the color of water tower.

Rapid Response Action Update

Ben Gregson (IAGWSPO) provided an update on the RRA.

- Guard is finalizing the contracting of soil removal and additional delineation activities for Mortar Target 9. REC approval has been received.
- Guard will send a letter requesting extension for June 1st soil excavation deadline for Mortar Target 9. Todd Borci (EPA) indicated that approval of the extension request was likely. Letter addendum to FSP will probably be sent out next week.

Groundwater Study

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

- Installation of monitor well MW-169 (SP-1) was completed this week. Drilling of MW-170 (KP-1) and MW-171 (SP-2) commenced this week. Next week, will complete well installation of MW-170 and MW-171 and commence drilling of D1P-5 pending receipt of perchlorate data from MW-162. Well screen selections for MW-170 on Monday (5/21) and MW-171 on Tuesday (5/22).
- May LTM groundwater sampling round and sampling of newly installed J Range and Demo 1 wells continued this week. Sampling of LTM round and newly installed J Range wells will continue next week.
- Jane Dolan (EPA) indicated that during a site visit to Arnold Road, it appeared as if PZ208 and PZ204 are located on the same property - the weekly map appears to show the wrong locations. It was suggested that the GPS coordinates of the piezometers be verified. Heather Sullivan (ACE) indicated that the real estate property maps will be reviewed to determine which properties these wells are on. AFCEE has indicated that a fallen tree presents a safety issue for Jacobs near the PZ208 location, preventing sampling. Dave Hill (IAGWSPO) indicated that casual observation suggests that there is damage to PZ211. Mr. Hill to follow up with AFCEE to check on PZ211.
- Mike Jasinski (EPA)/ Dave Williams (MADPH) indicated that Dave Mason (Sandwich Health Dept) will be sampling the public and Camp Good News beaches of Snake Pond next week and then monthly during the season. Ben Gregson (IAGWSPO) indicated that it was the Guard's intent to collect "splits" (samples at identical location at the same time) of the first set of samples to analyze for explosives and perchlorate and then assess whether continued sampling is warranted.
- Marc Grant (AMEC) indicated that splits had been collected of AFCEE/Jacobs' drive point sampling at Snake Pond (90SNP-1 and 90SNP-2) to be analyzed for explosives and perchlorate.
- No soil sampling and UXO avoidance was conducted this week and none is planned for next week.
- No vegetation removal was conducted this week; vegetation removal for D1P-5 (2,124 sq ft) is scheduled for next week.
- Reconnaissance for REC preparation for the three Central Impact Area wells, D1P-6 and UXO detonation crater excavation will be conducted tomorrow, 5/18.
- There were no new groundwater detects this week.
- Jane Dolan (EPA) inquired about sampling schedule of MW-58 (J-1 Range, steel-lined pit well) and FS-12 Response wells. MW-58 is on the LTM schedule to be sampled in May and on the continuing LTM schedule. Jay Clausen (AMEC) indicated that FS-12 response wells are only proposed to be sampled one time. Once PZ208 and PZ211 are sampled, the analytical results will be reviewed and EPA can expect a proposal/discussion at that time presenting results and further sampling schedule.
- In response to Mr. Rice's inquiry regarding selecting a SAR well location, Todd Borci (EPA)

indicated that his intent was to review the SAR soil data by Monday 5/21. A proposed well location to initiate REC process could probably be discussed 5/21.

- Mr. Rice briefly gave a brief overview of Phase IIb soil data. There were several explosive detections in soil at Old A Range. At Demo 2, there were RDX detections at all three depths in the soil grid located at MW-16 where C-4 had been found on the ground. Explosives were all ND for soil grids at Inactive Demo and the former ASP.
- Mr. Borci expressed concern that the right areas at the Old B Range had not been sampled. Mr. Rice explained that the correct grids had been sampled as selected by Mr. Borci and Ben Rice (AMEC) during the FSP reconnaissance for Phase IIb. However, the grid locations had been improperly located on the figure in the SAR FSP and these locations were adjusted in the figure presented in the 4/19 Corrections to Phase IIb FSPs letter.

Document /Schedule Status Update

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

- Documents Having Comments. A revised MOR for J-2 Additional Delineation Work Plan will be sent out today 5/17 or tomorrow 5/18. TM 01-8 J-2 Range Interim Data Report will not be issued as a Final Report per the 5/9 MOR. A letter requesting that the enforceable deadline for this document be deleted will be drafted and sent to EPA.
- Documents Needing Comments. RRA Delineation Sampling Report has been added to the list. Dates for comment and approval will be added to the table after conferring with Scott Veenstra (AMEC).
- A Disapproval with Conditions letter was received from EPA regarding the Supplemental Background Workplan. Todd Borci (EPA) confirmed that per the terms of the Order, this means that the Plan is modified as stated in the letter and that the Guard is not required to redraft and submit a modified version of the Plan for review and approval. It was not known if Don Muldoon (MADEP) had reviewed this document.
- Documents to be Submitted. Gun/Mortar Establish COC document is being deleted from the required document list. The COC information will be included with the Draft Report currently due 8/20. A letter will be sent to the agencies requesting that the Draft report deadline be set approximately three weeks earlier reflecting the time savings gained by eliminating the requirement to review and approve the COC document.
- As discussed previously, an extension request for completing the RRA source control at Mortar Target 9 will be sent out today. The request asks that the June 1st deadline be suspended allowing for the complete delineation of constituents prior to excavating any soil. Mr. Borci asked the Guard to propose a realistic date that this work can be completed, rather than leaving the date open and following-up with a second deadline request. A second extension request can be made further along in the process if conditions warrant.

A discussion on the Draft Scope of Work for the Munitions Survey Project followed the Tech meeting. The IART dry run was scheduled for 11:00am.

EPA convened a meeting of the Impact Area Review Team on May 22, 2001. Topics discussed during the meeting were Munitions Survey Update including the status of the Archive Search Report and Aerial Magnetometry Survey, Groundwater Study Update including the status of the Demo 1 plume and Phase 2b investigation, and an update on the Rapid Response Action. The tentative date for the next meeting is June 26, 2001.

The Guard, EPA, and MADEP had a meeting on May 24 to discuss technical issues, including the following:

Munitions Survey Update

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

- Since last week, additional work was completed at HUTA Test Pit #3, Test Pit #5, and Test Pit #6. In Test Pit #3 hand excavation of anomalies continues on Lift 1B. In Test Pit #5, geophysics on Lift 1A delayed due to rain. In Test Pit #6, Lift 4 sampling has been delayed due to rain. Although work is completed at Test Pit #4, Tetra Tech is awaiting analytical results prior to backfilling. It was reaffirmed that a completion date for the HUTA investigation would be set by 6/21.
- Presentation of J-1 Range ground geophysical data scheduled for 5/30 is pushed back to 6/15. J-3 Range data will also be presented 6/15.
- EPA-selected 54 AirMag targets are being incorporated into the initial ground-truthing effort. A secondary target list is still under development and will not be available for at least 2 weeks.
- A draft Tech Memo summarizing the DU data will be presented to ACE 5/28 and can be discussed at the 5/31 Tech meeting.

CS-18 and CS-19 Updates

Ken Gaynor (Jacobs) presented an update on CS-18 and CS-19, distributing a one-page handout.

- At CS-18, groundwater sampling of the seven site wells has been completed and the wells surveyed. A particle backtrack from well 16MW0005 will be completed shortly. The FS-12 retrofit to add an additional extraction well will start next week.
- Safety exclusion zone for UXO work around CS-19 trench excavation was presented. This zone overlaps with the HUTA-1 exclusion zone. When the zone is set up (intermittently during 6 week CS-19 trench excavation program) only UXO-trained personnel can enter exclusion zone. Larry Hudgins (Tetra Tech) indicated that this will not impact Tetra Tech, except during BIPs, since HUTA-1 personnel are all UXO trained. Marc Grant (AMEC) indicated that this will impact sampling of the 20 CS-19 wells that EPA recently requested be added to the LTM list.
- Mike Jasinski (EPA) received the PDF file of the particle track cross-sections and will forward to Mr. Grant, Ben Gregson (IAGWSPO).
- Mr. Gaynor requested that AMEC modify its radios, so that Jacobs and AMEC can communicate when Jacobs begins working in the CS-19 area.

Water Supply Study Update

Ben Gregson (IAGWSPO) spoke with Hap Gonser (JPO) regarding the Water Supply Study prior to the Tech meeting and provided a brief update.

- The ZOCs have been approved by the State.
- Mr. Gonser clarified that the requirements that chemical monitoring wells associated with the ZOCs be screened throughout the 200 ft of aquifer was a reference to screens at 3 depths to cover the aquifer, not a single screen throughout the entire aquifer thickness. Jane Dolan (EPA) indicated that was not her understanding.

Rapid Response Action Update

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

- Water management on the containment pad will continue pending results of water samples

collected this week.

- Draft Completion of Work Report for RRA Group 1 efforts was issued 4/30. Comments were requested from agencies by 5/21. Comment period was extended based on EPA request for clarification of three points – these points were addressed in the Tech meeting with Jane Dolan (EPA).
    1. As indicated in Table 4-5, rainwater with RDX<1 ug/L was discharged prior to receiving analytical results 11/11, 13, 14, 15. Post-carbon filters were back flushed following receipt of results.
    2. Received approval from Todd Borci (EPA) via email to discharge filtered water. Mr. Veenstra to forward email communication to Ms. Dolan.
    3. Process water and other process materials (but not rainwater) are/were retained on the containment pad until analytical results were received on samples of the water/materials.
    4. An additional question was asked by Mike Jasinski (EPA) regarding when soil washing was completed. Processing of soil washing was completed on 11/9, however cleaning out of system was continued until 11/11.
- Extension request for additional delineation sampling of Mortar Target 9 was sent to EPA on 5/21. Mr. Jasinski to check with Mr. Borci (EPA) today on approval of extension, will submit to Ben Gregson (IAGWSPO).
- Extension request includes request for approval to complete intrusive clearance to 65-ft radius around Target in advance of soil sample collection. John Rice (AMEC) reminded the agencies that intrusive clearance may result in disturbance of soil in the area of clearance and therefore in the potential sampling areas. The intrusive clearance (required for soil removal) is being combined with the UXO avoidance work (required for sampling) so that the UXO work at Mortar Target 9 can be completed in a single mobilization. EPA sent an email following the meeting concurring with NGB's recommendation to begin UXO clearance to 65 feet.
- Contracting between the Guard and AMEC for UXO clearance, soil removal (initial 285 cu yds) and site restoration activities is completed. Actual soil washing of Mortar Target 9 soil and rewash of Group 1 retained soil is likely to commence in August.
- At IART meeting, Jim Stahl (TOSC) requested that a process update and status of Bioslurry process be provided. Can be provided as a handout at the next IART meeting.

Groundwater Study

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

- Installation of monitor well MW-170 (KP-1) and MW-171 (SP-2) was completed this week. Drilling of MW-172 (D1P-5) will commence next week.
- May LTM groundwater sampling round continued this week including MW-169 (SP-1). Sampling of LTM round and newly installed J Range wells will continue next week. This will include sampling of MW-164 (J1P-5), MW-168 (J1P-7) and MW-171 (SP-2).
- Sampling of 2nd and 3rd rounds for some of the Central Impact Area Response wells is falling behind schedule because of restrictions of HUTA exclusion zone. Sampling of these wells has been conducted on the weekends.
- During the punch list discussion, it was noted that approval has been received by property owners to sample PZ208 and PZ211. Jane Dolan (EPA) reiterated that the well locations still needed to be verified. ACE indicated that PZ211 appears to be damaged and that a fallen tree presents a possible safety issue at PZ208. AMEC and Jacobs to conduct a site walk to evaluate sampling issues and verification of piezometer locations.
- No UXO avoidance was conducted this week and none is planned for next week.

- Two discrete soil samples were collected at the Former C Range this week. This concludes the scope of the Phase IIb sampling.
- Vegetation removal for D1P-5 (1,600 sq ft) was completed this week. No vegetation removal is scheduled for next week.
- A 3-page table for New Detects – Unvalidated was distributed. The majority of the results were similar to the results of previous sampling rounds. The most notable exceptions included: first round results from MW-157M2, M3 (Camp GoodNews wells) showed detections of RDX as in profile results for M3, but had not been detected in profile samples for M2; first round results for MW-165M2 showed RDX and HMX detections as in profile results; MW-30 had a non PDA-verified detection of TNT, but no HMX which has historically been detected there; detection of RDX in MW-34M2 was at lowest level ever; concentration of RDX in MW-37M2 was below the Health Advisory for the first time since installed; concentration of RDX in MW-76M1 was more than 5 times higher than detection in previous round; HMX was not detected in MW-76S but had been detected in previous rounds; RDX concentration was less than half of previous detection MW-77M2; RDX was detected for the first time in MW-78M2.
- Marc Grant (AMEC) indicated that there were no detections of explosives in MW-162 (D1P-3).
- Fingerprint information on substance encountered in KP-1 (MW-170) will be forwarded when available, possibly today (5/24) or tomorrow (5/25).
- Dr. Winkler's report on the Full Scan 8330 Analysis and its usefulness in detection of explosive compounds was distributed to agencies. AMEC to provide evaluation of report in a couple weeks.
- Perchlorate results update was emailed on 5/21. Results were non detect at PZ204.
- Latest Tritium Results from University of Miami were still not available.

Document /Schedule Status Update

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

- Documents Having Comments. MOR approval for J-2 Range Additional Delineation Work Plan was received 5/21. This date sets the date for the Final Work Plan at 6/19 and the J-2 Range Draft Report. Supplemental Background Workplan was moved to Documents Having Comments status; a final Workplan will not be issued.
- Documents Needing Comments. RRA Delineation Sampling Report will be held as draft and finalized when final delineation efforts are completed. Jane Dolan (EPA) indicated that EPA comments on the RRA Group 1 Draft Completion of Work Report will be delayed at least three weeks pending review by the attorneys. HUTA-1 Interim Data Report was moved up to the Document Needing Comment status.
- Documents to be Submitted. Gun/Mortar Establish COC document was deleted from the required document list. SAR Report on GI and Sierra East Ranges will be combined with Report on old SAR Ranges. Schedule for HUTA-1 Final Report will be established on 6/21.
- Ms. Dolan/Ben Gregson (IAGWSPO) indicated that modification of AO#3 had been issued to the Army and Guard to address Former H Range RRA activities. If and what schedule was dictated by the Order was not known. Mr. Gregson further indicated that regardless, the property owner had rescinded their permission to continue action at the Former H Range while Camp GoodNews was in session. Len Pinaud (MADEP) proposed that the EPA, DEP, and Guard talk to Ray Cottengaim (ACE) to determine the reasons that the property owner had rescinded permission and potentially talk with the property owner again regarding this issue.

- Mr. Pinaud reviewed the MMR Integrated Activity Calendar that was distributed by Robbins-Gioia for scheduling conflicts. June IART dry run conflicted with JPO-SMB dry run; the JPO-SMB dry run to be scheduled later in the day. June IART conflicts with Master Plan FEIR Public Comment Mtng and Pave Paws PHSG.

Demo 1 Additional Data

Mark Applebee (AMEC) reviewed proposed additional data for the Demo 1 area.

- Objectives for collecting the information was to provide additional data to calibrate the unsaturated zone model at the Demo 1 and other sites.
- Installation of data loggers and staff gauges was being completed to monitor the infiltration rate of water into the subsurface at Demo 1. Monthly water levels were to be collected to assist in calibrating the Demo 1 groundwater model. Soil samples were to be collected to 10 or 15 ft for analysis of fractional organic carbon.
- Applications to other sites would be mostly the type of soil and migration rate of water in the unsaturated zone.
- Adam Balogh (TRC) asked if it was AMEC's intent to compare modeled results to the actual plume configuration. Jay Clausen (AMEC) indicated that yes, AMEC was modeling the Demo 1 area precisely because the regional model was predicting that the plume tracked further north than the actual data showed.
- Additionally, Mr. Balogh had the following comments on the proposed scope of work:
    - Staff gauges could not be used to monitor groundwater chemistry.
    - Suggested that daily local rain data (such as OTIS data) be reviewed in concert with Demo 1-specific rain data to assess evaporation rates.
    - Suggested that in collecting soil for fractional organic carbon (foc) data, leaves be removed from sample and the soil be profiled over 5 feet.
    - Inquired if the foc data would be useful to assess areas for soil removal. Mr. Clausen indicated that it would.
- Proposed sampling scope was roughly outlined as 1 soil boring to water table, 2 soil borings to 10-15 ft + hand auger samples. Soil samples to 10-15 ft analyzed for foc.
- Ed Wise (ACE)/Mike Jasinski (EPA) requested that additional information be provided on the sampling scope at the 5/31 Tech meeting.

Miscellaneous

Jane Dolan (EPA) had the following list of miscellaneous questions/items.

- Regarding J-2 Range ground geophysical data, are UXB target picks, final target pick list? Larry Hudgins (Tetra tech) to check. Ms. Dolan further requested a proposal to ground-truth picks and to set an enforceable milestone for the J-2 Range geophysical report. CPT Myer (IAGWSPO) indicated that ground-truthing including notation of cultural features, UXO, UXORM, and debris had been completed as part of the survey. Information was to be provided in the Munitions Survey Report, not a separate geophysical report on the J-2 Range. Due date of Munitions Survey Report to be provided to Ms. Dolan by CPT Myer.
- The IART requested that JPO present a Water Supply Update at next IART meeting. Dave Hill (IAGWSPO) suggested the EPA contact Hap Gonser/JPO directly regarding this request.
- Mike Jasinski (EPA) inquired if sampling of monitoring wells for water supply would be a duplication of the sampling effort already being conducted under the Guard's LTM scope. Shouldn't this sampling be coordinated with AMEC sampling of same wells? Mr. Jasinski proposed having a meeting between MADEP, EPA, JPO, Guard, AMEC to discuss coordination of sampling effort.
- What is cost differential for profiling a borehole versus not profiling a borehole? John Rice

(AMEC) indicated cost differential for a 300 ft borehole profiled 200 feet was $30,000.
- Todd Borci (EPA) had requested that a new Demo 1 plume map be drafted.
- Mr. Borci had requested that the proposed well location for Old D Range be positioned at H symbol on the map that showed Guard's proposed location. This location corresponded to the grid location where high lead in soil had been detected. John Rice (AMEC) informed EPA that this location would require a 200 ft access road and associated vegetation removal.
- Regarding Greenway Road samples in pipeline trench adjacent to the L Range, have these samples been collected? Herb Colby (AMEC) indicated that this sampling was being proposed as part of J-3, J-1, L Ranges Additional Delineation Work Plan to be submitted to the agencies on 5/31. Ms. Dolan requested that the samples be collected prior to the repaving of the road. John McPherson (ACE) to check on road repavement schedule.
- Regarding FS-12 influent/effluent collected on 5/1, are results back? John Rice (AMEC) indicated results for explosives were non detect.
- Regarding Weeks Pond chemical monitoring wells, installed as part of water supply program, can these wells be sampled for FS-12 response effort?
- Regarding Tech Memo 99-6 False Positives, have the recommendations been followed?
- Are the gross-alpha results available for the J-2 Range sampling? Herb Colby (AMEC) to check.
- Has the Old Snake Pond residential well been sampled? Mike Jasinski (EPA) relayed that Dan Miller indicated that it was Jacobs' intent to sample several residential wells, including Old Snake Pond well, by next week. A list of residential wells to be sampled had been forwarded to Guard/AMEC but they had not replied as to their interest in splitting samples.
- Several anomalies along Greenway Road were pointed out by Raye Lahti (Tetra Tech) during his AirMag presentation at IART meeting. Have those anomalies been identified? Larry Hudgins (Tetra Tech) to check with Mr. Lahti.
- Regarding 1000m Berm on the J-1 Range, plastic in the area where the steel plates were removed for the DU survey needs to be secured. Would like to see soil in this area sampled for explosives as part of the J-3/J-1/L Ranges Additional Delineation Plan.
- Were Tritium samples collected as part of profiling of MW-166 and MW-167? Closest Tritium results to this area are at MW-126. Herb Colby (AMEC) to check.
- Where is RRA containment pad water held? Marc Grant (AMEC) to check with Scott Veenstra (AMEC).
- Can meeting on requirements of Ecological Risk Assessment between agency representatives be conducted next week?

Snake Pond Spit Well (MW-171) Follow Up

Ben Gregson (IAGWSPO) provided a briefing on the Guard's actions to inform interested parties of detection of explosives (RDX) in profile samples (41-96 ft bwt/bgs) from Spit well at Snake Pond, implications, and follow-up.
- Sandwich Board of Health was notified.
- Property owner was notified.
- Message left for Chairman, Sandwich Board of Selectmen.
- Dick Judge (Sandwich Selectmen) was notified at SMB meeting.
- Message was left for Town Manager of Sandwich.
- Dave Mason (Sandwich Health Dept) spoke with Jan Larkin (JPO).
- Dave Williams (MADPH) was notified at SMB.
- Results were reviewed at SMB.
- Guard has followed up with splitting of surface water samples at beaches (Camp GoodNews

and public) on 5/23. John Rice (AMEC) to check if analysis can be placed on 24-hr turn around.
- Guard will continue to collect surface water samples and drive point samples with AFCEE every 2 weeks.
- Forward particle tracks (with cross sections) will be obtained from Spit well to help determine if and where upwelling occurs in pond. Particle tracks likely to be available in 24 hrs. Cross-sections will take a little longer.
- Sampling of organic layer at base of Pond in identified area of upwelling will be initiated. Diffusion sampling of water at base of pond will be conducted when appropriate bag media (bag capable of allowing large explosive molecule in and still retain water) is identified.
- Mr. Williams inquired if water was to deep in the area to complete drive points and if it was now possible to draw plumes. Mr. Gregson indicated that these were possibilities that the Guard was evaluating.
- Len Pinaud (MADEP) would like the effort fast tracked so that the public can be informed of quality of surface water in pond. Mr. Gregson concurred.

IART Agenda and Action Items

Action Items for IART were reviewed as follows:

1. **Provide AFCEE Ecological Risk Assessment that was performed at CS-19 – Ben** Gregson (IAGWSPO) to ask Robert Gill (AFCEE) for summary.
2. **Report on how far back in time the ASP records go and whether records are located off base as well as on base.** CPT Bill Myer (IAGWSPO) to check with Chris Churney (ACE).
3. **Guard to provide the ten sources of information (repositories) that were researched for military history as part of ASR.** Action item to be clarified. Ten sources to be provided in mailing.
4. **EPA to bring the IART's request for continued use of the private investigator to the Department of Justice.** Margery Adams (EPA) to request.
5. **Guard to report the status of the non-aqueous liquid that was detected at MW-164 to the IART.** Text will be provided relaying information.
6. **Guard to overlay the Air Mag data over the existing Central Impact Area map to see if the data corresponds with increased detections of RDX.** AMEC to provide.
7. **Guard to report whether the items that were shipped out of the ASP per EPA were actually shipped out.** Colonel Bailey (MAARNG) to respond.
8. **ACE to report on options to support the TOSC program.** ACE to respond.
9. **Guard to distribute the report regarding heavy metal contamination on German Training Ranges (Argon Labs, 1993).** Jane Dolan (EPA) to provide copy to Guard.
10. **A copy of the editorial from the May 6, 2001 Cape Cod Times about the issue of ecological receptors will be distributed in the next IART mailing.** Copy to be provided.
11. **The maps in the presentations at the IART meeting should be clear and readable.** Agreed.
12. **EPA to provide a summary of the information reviewed at Textron's attorney's office.** Ms. Dolan to provide.
13. **Guard to provide information on the vulnerability of the IAGWSP funding to Federal budget cuts.** Language reflecting that program budget is projected for 7 years; funding of the program is provided yearly and has been a top priority of the Army and Guard.
14. **June 26, 2001 IART agenda**:

- **A comprehensive CS-18 and CS-19 update by AFCEE**. Better for July IART per Todd Borci (EPA).
- **A review of the investigation of 1000 m berm at the J-1 Range.**
- **A water supply update**. At discretion of JPO.
- **IART groundrules and process**. List of people who have asked to be included on the team and list of people who have been asked to join team.
- **Summary of the Textron litigation by EPA.** Not an agenda item, will be provided in written form.
- **Ecological Risk Assessment process**. Handout to be prepared by MADEP.

Todd Borci (EPA) had requested that **Demo 1 Soil Report** and **Central Impact Area Screening Report** be presented at the June IART. Ms. Dolan suggested that these two topics as well as J-1 1000m Berm update and J-Range Response Plan Update could be included as part of the general Groundwater Update.

The Guard, EPA, and MADEP had a meeting on May 31 to discuss technical issues, including the following:

CS-18 and CS-19 Updates

Ken Gaynor (Jacobs) presented an update on CS-18 and CS-19.

- No new activity was conducted for CS-18 since last week.
- Trenching activity at CS-19 is expected to commence next week. The UXO exclusion zone will be set up between 4 – 6 weeks, as this activity is conducted. It is possible that there will be time periods between ½ days to several days during the duration of the project where the exclusion zone will be deactivated. Ralph Turner, UXO safety specialist, (Jacobs) is responsible for setting up and monitoring the exclusion zone and should be contacted directly regarding times of activation/deactivation.
- An access road of 900 to 1000 ft will be required to install the proposed well in the CS-19 area (CS19P-1 on IART maps). This will delay the well installation; a revised schedule should be available in a couple weeks.
- Mike Jasinski (EPA) requested that AMEC consider and comment on the CS-19 particle tracks modeled and provided by AFCEE.

Water Supply Study Update

- Mike Jasinski (EPA) indicated that he had tentatively scheduled a meeting with Hap Gonser (JPO) regarding the water supply study for 6/14 at 1:00pm.
- EPA has requested the ZOCs for the water supply study so that they can be added to the IART maps. Information on the water supply wells has also been requested for the groundwater model input.

Munitions Survey Update

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

- Since last week, additional work was completed at HUTA Test Pit #3, Test Pit #5, and Test Pit #6. In Test Pit #3 the geophysics was completed on Lift 1B; Lift 1B will be excavated 6/1. In Test Pit #5, geophysics on Lift 1A was completed and hand excavation of anomalies has started. Test Pit #6 was completed and Tetra Tech is awaiting analytical results prior to backfilling. Test Pit #4 is also completed and awaiting analytical results prior to backfilling.
- Requested permission to backfill Test Pit #6, prior to receiving analytical results because of problem with road between Test Pits #5 and #6. It is anticipated that the road to Test Pit #6 will cave in when excavation starts at Test Pit #5. Requested a response from EPA by early

next week.

- Presentation of J-1and J-3 Range ground geophysical data is scheduled for 6/14.
- EPA-selected 54 AirMag targets are being incorporated into the initial ground-truthing effort. A secondary target list is still under development and will be ready prior to completion of the primary targets.
- During the punchlist discussion it was indicated that all AirMag anomalies identified along Greenway Road were cultural.
- Todd Borci (EPA) indicated that there were an additional 3 targets at the J-1 Range 2000m berm that EPA would like added to the primary target list. Mr. Borci also requested a revised proposal for ground-truthing the AirMag data. The proposal should reflect EPA's request that the Guard continue the ground-truthing beyond the initial 1 to 2 wk effort previously proposed so that all anomalies on the primary and secondary target lists could be investigated.
- A draft Tech Memo summarizing the DU data will be submitted this week. Mike Jasinski (EPA) indicated that comments on the draft report and press release would be provided in three weeks. Tina Dolen (IAGWSPO) to provide a redraft of the DU press release for review.
- During the Punchlist discussion Jane Dolan (EPA) requested a detailed schedule of completion dates for the ground geophysical survey and AirMag data as part of the Munitions Survey Project. Ms. Dolan assumed that each set of data (J-2 Range data, J-3 Range data, etc.) would be completed as an independent section that can be inserted into the Munitions Survey Report. The schedule will be used to determine enforceable milestones for completion of the work. Hard copies of the data were requested, in addition to the copies presented on CD ROM.

Rapid Response Action Update

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

- Water management on the containment pad will continue pending results of water samples collected during last week's rain event. Samples were collected at each of the sumps (unfiltered rainwater) in order to show that decontamination of the pad was effective.
- Jane Dolan (EPA) inquired why the doors at the top of the filter tank were open, expressing concern that the tank was near capacity and might overflow through these doors in the event of more rain. Ms. Dolan further inquired about the hose behind the filter tank, if this is hose from which water in the tank is discharged. Mr. Veenstra to verify.
- Draft Completion of Work Report for RRA Group 1 efforts was issued 4/30. Awaiting agency comments.
- Extension request for additional delineation sampling of Mortar Target 9 was sent to EPA on 5/21. Todd Borci (EPA) indicated that approval of a shorter extension is forthcoming today 5/31 or tomorrow 6/1. The reduction of the extension is based on EPA's expectation that the reporting of results can be faster than proposed. Ben Gregson (IAGWSPO) indicated that the Guard would reserve comment pending review of the letter.
- Addendum to FSP regarding the Additional Delineation Sampling at Mortar Target 9 is anticipated to be sent to the agencies on 6/1. EPA provided concurrence on performing intrusive UXO clearance to a 65-foot radius around Mortar Target 9 prior to completing any sampling.
- Intrusive UXO clearance at Mortar Target 9 is expected to commence on 6/4. Supplemental delineation sampling will commence upon completion of the intrusive clearance. EPA cautioned the Guard not to conduct sampling prior to approval of the FSP addendum.

Groundwater Study

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

distributed.

- Commenced drilling of MW-172 (D1P-5). MW-172 will be installed next week.
- May LTM groundwater sampling round continued this week including MW-168 (J1P-7), MW-169 (SP-1), and MW-171 (SP-2).
- Status of efforts to identify the non-aqueous phase liquid (NAPL) encountered in the J-1 Range wells and K Range well was discussed during the punchlist review. Liz Wessling (AMEC) reports that none of the drilling fluids match the substance encountered. The fluid appears to be a weathered product heavier than JP-5 but lighter than diesel, possibly with additives. The Guard is attempting to collect a sample of JP-8 to see if this fuel has a similar fingerprint on the instrument. Todd Borci (EPA) requested that Mass Spectrometry be investigated as a means of identifying the material. Mr. Borci further indicated that the fingerprint of the material has some similarity to plumes downgradient of wood treating sites. Mr. Rice to email type of analyses being performed to assess NAPL sample.
- Herb Colby (AMEC) confirmed during the punchlist discussion that, as proposed for the J-1, J-3, and L Ranges scope of work, MW-168 was profiled for Tritium. Tritium profiling has been completed for all installed wells for which profiling has been proposed.
- Tim Dwyer (AMEC) and Ray Cottengaim (ACE) investigated piezometers PZ208 and PZ211. The hosing from PZ211 has been pulled out and is wrapped around the casing and the well cover appears to have been hammered shut. This is the piezometer on the property for which ownership has changed. ACE is pursuing access approval from the new owners. Access to PZ208 will be difficult because of the obstruction of the fallen tree but is not considered a safety issue. Plotting of the piezometers on the real estate maps was inconclusive, therefore AMEC has contacted Jacobs to verify piezometers locations and coordinate sampling.
- No UXO avoidance was conducted this week. Intrusive clearance at Mortar Target 9 as part of the RRA will be conducted next week.
- No soil sampling was conducted this week and is not planned for next week.
- No vegetation removal was completed this week and none is scheduled for next week.
- A 1-page table for New Detects – Unvalidated was distributed. Detections of RDX and HMX in 90MW00054 and 90WT0004, respectively, were similar to the previous sampling results. There were no PDA verified detections of explosives in 90LWA0007 or 90MW0003. Jane Dolan (EPA) indicated that she recalled that RDX had been detected in 90LWA0007 in a previous round.
- Marc Grant (AMEC) distributed the latest Perchlorate, Gross-Alpha and Tritium data during punchlist discussion. New Perchlorate data includes results for MW-152, MW-162, and MW-165. Only new detect was at MW-165M2. Mike Jasinski (EPA) requested schedule for validation of Tritium, gross-alpha data and status of remaining Tritium, gross-alpha data.
- Marc Grant (AMEC) distributed a revised map of the Demo 1 plume showing a separate contour outline for Perchlorate and RDX. The toe of the plume was shown as open depicting the uncertainty surrounding the plume extent. Mr. Borci requested that the figure be revised when the data for D1P-5 is available to show Pew Rd., the location of D1P-6 on Pew Rd., and concentration contours consistent with those shown in the plume map presented in the Demo 1 Groundwater Report.
- John MacPherson (ACE) reported that paving of Greenway Rd will commence next week. Ms. Dolan reiterated her request to collect two grabs from the trench and a composite sample from alongside the road, all in the area along Greenway Rd opposite L Range. Ben Gregson (IAGWSPO) had previously agreed to complete this scope of work. Dave Hill (IAGWSPO) and Mr. Gregson to review background for request.

Document /Schedule Status Update

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

- A column for MOR Approval date was added to the status table. The MOR approval date is used to determine the Final document date. Yellow highlighting replaces green highlighting to show enforceable deadlines that will be revised to indicate an earlier date.
- Documents Needing Comments. HUTA-1 Interim Data Report comments are due next week.
- Documents to be Submitted. J-1, J-3, L Ranges Additional Delineation Workplan will be sent out today 5/31. Jane Dolan (EPA) requested that the cover letter include a solicitation for comments from IART members to be sent to her. Demo 1 Soil Report will be sent out next week. An extension of 15 weeks has been requested for the Phase IIb Report until 8/20.
- Awaiting agency comments on Other UXO Draft FS Screening Report in order to set schedule.

Demo 1 Additional Data

Scope of proposed Total Organic Carbon Sampling for the Demo 1 area was presented in an AMEC 5/29 letter.

- Six soil samples will be collected from 1-2 feet around perimeter of Demo 1 depression. Two soil borings (B-19, B-21) at either edge of the depression will be sampled at 5-7 ft and 10-12 ft bgs. At third boring (B-20) in the center of the depression will be sampled every 5 feet to the water table, starting at 5-7 feet. Samples to be analyzed for Total Organic Carbon.
- Todd Borci (EPA) requested that soil samples also be analyzed for SVOCs, VOCs, metals and if burn layers encountered, dioxin/furans in accordance with his previous request presented in a 7/19/00 letter. Proposed sampling depths were acceptable.
- Mark Panni (MADEP) suggested that shallow samples also be collected in the center of the depression around B-20.

Miscellaneous

- Jane Dolan (EPA) requested the EPA be updated each week regarding future soil sampling at J-2 Range.
- Ellen Iorio (ACE) reported that the Camp GoodNews property owner is not comfortable with work being conducted at the Former H Range when camp is in session (6/24 – 8/11). ACE will provide a Work Plan to the agencies 6/11. The plan will detail ACE's proposal to complete the delineation sampling using X-Ray Florescence (XRF) as soil is excavated. Because XRF will provide real-time data as the soil is removed, there will be no benefit to complete the delineation sampling in June. At MADEP's request, ACE will add a snow fence and sign around the Former H Range with the property owner's approval. Approval to conduct soil removal at the Former H Range in the vicinity of a wetland will be on the ConsCom agenda for 6/20. ACE is drafting an extension request for the project for agency approval.
- Snake Pond well, MW-171, particle back and forward tracks and cross sections were distributed. Particle track cross-sections indicate that RDX-contaminated water encountered beneath the Pond at MW-171 continues to travel deeper under the pond. This is somewhat inconsistent with other groundwater flow data in the vicinity of the Pond that suggests that upwelling occurs. Agencies requested that AFCEE, in consultation with Don Walter (USGS), provide particle tracks from MW-171 and present them at next week's Tech

meeting. Draft press release on non-detects for drive point and surface water sampling in Snake Pond will be ready for review today 5/31.
- Guard would like to remove the airplane fuselage at Gun Position 9 as scrap. EPA will evaluate request with concerns that soil in vicinity will be disturbed.
- Rose Forbes (AFCEE) provided AMEC with boring logs of the four sentry wells installed as part of the Sandwich Weeks Pond water supply wells. AMEC to provide at next Tech meeting.
- EPA requested an update on the BioSlurry Treatment at the next Tech Meeting.

2. SUMMARY OF DATA RECEIVED

Validated data were received during April for Sample Delivery Groups (SDGs) 564, 566, 568, 569, 570, 571, 572, 573, 574, and 575. These SDGs contain results for 18 crater grid samples from UXO detonation craters; 39 groundwater samples from monitoring wells; 106 groundwater profile samples from wells MW-152, -153, -154, -155, -156, -157, and -158 and from soil boring B-23; 77 soil grid and/or grab samples from the former K Range, former ASPs, and J-2 Range; and 3 soil samples from soil boring B-23 at the J-3 Range.

Validated Data

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

- Figure 1 shows the results of explosive analyses by EPA Method 8330
- Figure 2 shows the results of inorganic analyses (collectively referred to as “metals”, though some analytes are not true metals) by methods E200.8, 300.0, 350.2M, 353M, 365.2, CYAN, IM40MB, and IM40HG
- Figure 3 shows the results of Volatile Organic Compound (VOC) analyses by methods OC21V, 504, and 8021W
- Figure 4 shows the results of Semi-Volatile Organic Compound (SVOC) analyses by methods OC21B and SW8270
- Figure 5 shows the results of Pesticide (method OL21P) and Herbicide (method 8151) analyses
- Figure 6 shows the results of Perchlorate analysis by method E314.0

The concentrations from these analyses are depicted in Figures 1-5 compared to Maximum Contaminant Levels (MCLs) or Health Advisories (HAs) published by EPA for drinking water. The concentrations from Perchlorate analyses are depicted in Figure 6 compared to a safe exposure level (SEL) established by EPA. At present, neither EPA nor the MADEP have established an MCL or HA for perchlorate. A red circle is used to depict a well where the concentration of one or more analytes was greater than or equal to (GTE) the lowest MCL, HA, or SEL for the analyte(s). A yellow circle is used to depict a well where the concentration of all analytes was less than (LT) the lowest MCL, HA, or SEL. A green circle is used to depict a well where the given analytes were not detected. An open circle is used to depict an existing well where the analytes in question (for example, Explosives in Figure 1) have not yet been measured. Table 3 summarizes the detections that exceeded a MCL, HA, or SEL, sorted by analytical method and analyte, since 1997.

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

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

Figure 1: Explosives in Groundwater Compared to MCLs/HAs

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

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

Exceedances of drinking water criteria were measured for 2,4,6-trinitrotoluene (TNT) at Demo Area 1 (wells 19S, 31S, and 31D), and for hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) at all of the locations listed above. One of the exceedance wells, 90WT0013, has had no detectable RDX in the last five sample rounds (1/99 to 11/00).

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

CS-19 is a site located in the Impact Area. Portions of CS-19 are currently under investigation by the Air Force Center for Environmental Excellence (AFCEE) under the Superfund program. Other portions of CS-19, and the remainder of the Impact Area, are under investigation by the National Guard Bureau. RDX has been measured in groundwater emanating from both CS-19 and the Impact Area. A magenta concentration contour line is used in Figure 1 and the inset to show the extent of RDX exceeding the HA in these areas. This extent is based on samples

from monitoring wells and samples collected during the drilling process ("profile" samples). This extent also considers non-validated data, where the results have been confirmed using Photo Diode Array (PDA). Additional information regarding PDA is provided below under the heading "Rush (Non-Validated) Data". Currently it appears there are multiple sources of RDX in the Impact Area, including CS-19.

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

Figure 2: Metals in Groundwater Compared to MCLs/HAs

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

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

Figure 3: VOCs in Groundwater Compared to MCLs/HAs

Exceedances of drinking water criteria for VOCs are indicated in three general areas: CS-10 (wells 03MW0007A, 03MW0014A, and 03MW0020), LF-1 (well 27MW0017B), and FS-12 (wells MW-45S, 90MW0003, and ECMWSNP02D). CS-10, LF-1, and FS-12 are sites located near the

southern extent of the Training Ranges that are currently under investigation by AFCEE under the Superfund program. Exceedances of drinking water criteria were measured for tetrachloroethylene (PCE) at CS-10, for vinyl chloride at LF-1, and for toluene, 1,2-dichloroethane, and ethylene dibromide (EDB) at FS-12. These compounds are believed to be associated with the sites under investigation by AFCEE.

Figure 4: SVOCs in Groundwater Compared to MCLs/HAs

Exceedances of drinking water criteria for SVOCs are scattered throughout the study area. All exceedances of drinking water criteria for SVOCs were measured for bis (2-ethylhexyl) phthalate (BEHP), except for two locations in FS-12 (wells 45S and 90MW0003) which had exceedances for naphthalene, and well 41M1 which had an estimated level of 2,6-dinitrotoluene (DNT) that is equal to the HA. BEHP is believed to be largely an artifact of the investigation methods, introduced to the samples during collection or analysis. A detailed discussion of the presence of BEHP is provided in the Draft Completion of Work Report (7/98) and subsequent responses to comments. The theory that BEHP occurs as an artifact, and is not really present in the aquifer, is supported by the results of subsequent sampling rounds that show much lower levels of the chemical after additional precautions were taken to prevent cross-contamination during sample collection and analysis. Only three locations (out of 74) showed BEHP exceedances in consecutive sampling rounds: 28MW0106 (located near SD-5, a site under investigation by AFCEE), 58MW0006E (located at CS-19), and 90WT0013 (located at FS-12). Subsequent sampling rounds at each of these three locations have had results below the MCL. Three wells (49S, 57M2, and 84D) have had a BEHP exceedance in the year 2000 results. Four wells (28M1, 142M1, 142M2 and 146M1) have had a BEHP exceedance in the year 2001 results.

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

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

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

There was one exceedance of drinking water criteria for herbicides, at well 41M1. This response well was installed downgradient of the Central Impact Area, as indicated above (see discussion for Figure 4). The exceedance was for the herbicide pentachlorophenol in a sample

collected in May 2000. There were no detections of this compound in the three previous sampling rounds in 1999, nor in the subsequent sampling rounds in 2000.

Figure 6: Perchlorate in Groundwater Compared to the Safe Exposure Limit (SEL)

Sampling and analysis of groundwater for perchlorate was initiated at the end of the year 2000 as part of the groundwater study program at Camp Edwards. EPA established a SEL for perchlorate of 4 to 18 parts per billion (ppb), since neither an MCL or HA has been established. At present, there are seven exceedances of the SEL of 18 ppb for perchlorate. Detections that exceeded the SEL occurred at wells 31S, 31M1, 34M2, 77M2, 78M2, and 114M2 in the vicinity of the Demolition Area 1 plume and in well13D at J-3 Range.

Rush (Non-Validated) Data

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

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

- Groundwater samples collected from 90MW0022, MW-1M2, MW-2M2, MW-23M1, MW-25S, MW-27S, MW-34M1, MW-34M2, MW-37M2, MW-38M3, MW-43M2, MW-75M2, MW-111M3, MW-112M1, MW-112M2, and MW-141M2, and MW-135M2 had detections of RDX that were verified by PDA spectra. RDX was detected in similar concentrations in previous samples collected from these wells.

- Groundwater samples collected from MW-37M3 (Central Impact Area) had a detection of RDX that was verified by PDA spectra. Although RDX has been detected in previous samples collected from this well, this is the first detection in a concentration below the health advisory.

- Groundwater samples collected from MW-78M2 (Demo 1 area) had a detection of RDX that was verified by PDA spectra. This is the first time RDX has been detected in this well.

- Groundwater samples collected from 90MW0054 (north of Snake Pond) had a detection of RDX that was verified by PDA spectra. The concentration of RDX was approximately twice as high as previous detections in samples from this well.

- Groundwater samples collected from MW-76S (Demo 1 area) had a detection of RDX that was verified by PDA spectra. RDX was detected in previous samples collected from this well in similar concentrations. However, this was the first time HMX was not detected in samples collected from this well.

- Groundwater samples collected from MW-157M2 and MW-157M3 (south of J-3 wetland) had detections of RDX that were verified by PDA spectra. This is the first time these wells have been sampled. In profile samples, RDX was detected at a higher concentration in MW-157M3, but was not detected in MW-157M2.

- Groundwater samples collected from 90WT0004 (Greenway Road near J-3 Range) and MW-39M2 (Central Impact Area on Spruce Swamp Road) had detections of HMX that were verified by PDA spectra. HMX has been detected in previous samples collected from these wells in similar concentrations.

- Groundwater samples collected from MW-76M2 (Demo 1 area), MW-108M4 (Burgoyne Road) and MW-113M2 (Central Impact Area at five corners) had detections of RDX and HMX that were verified by PDA spectra. RDX and HMX were detected in similar concentrations in previous samples collected from these wells.

- Groundwater samples collected from MW-165M2 (Demo 1 area) had detections of RDX and HMX that were verified by PDA spectra. This is the first time this well has been sampled. RDX and HMX were detected in the profile samples from this well in similar concentrations.

- Groundwater samples collected from MW-76M1 (Demo 1 area) had detections of RDX and HMX that were verified by PDA spectra. RDX and HMX were detected in previous samples collected from this well. While the HMX was detected in similar concentrations in previous samples, the RDX was detected in a concentration an order of magnitude higher than previous detections.

- Groundwater samples collected from MW-16S (Demo Area 2) had detections of RDX and nitroglycerin. The RDX detection was verified by PDA spectra. RDX was detected in previous samples collected from this well.

- Groundwater samples collected from 58MW0011D (CS-19 area) had a detection of RDX that was verified by PDA spectra. This is the first time this IRP well has been sampled for the IAGWSP.

- Groundwater samples collected from MW-23M2 (Burgoyne Road) had a detection of nitroglycerin that was not verified by PDA spectra. There have been no validated detections of any constituent in previous samples collected from this well.

- Groundwater samples collected from MW-31S (Demo 1 area) had detections of TNT, 2,4-DNT, 2A-DNT, 4A-DNT, RDX, and HMX that were verified by PDA spectra. These explosive compounds were detected in previous samples collected from this well in similar concentrations.

- Groundwater samples collected from MW-77M2 (Demo 1 area) had detections of 4A-DNT, RDX and HMX that were verified by PDA spectra. Although 4A-DNT was detected in similar concentrations in previous samples collected from this well, RDX and HMX were detected in concentrations approximately half as much as in the previous sampling round.

- Groundwater samples collected from 90WT0019 (Greenway Road near L Range) had detections of trinitrobenzene; dinitrobenzene; TNT; 2,6-DANT; 2-, 3-, and 4-nitrotoluene; nitroglycerin; picric acid; and tetryl. None of these explosive compounds were verified by PDA spectra and these compounds were not validated detects in previous samples collected from this well.

- Groundwater samples collected from MW-141S (Pocasset-Sandwich Road in Central Impact Area) had a detection of TNT that was verified by PDA spectra. TNT has been detected in previous samples collected from this well in similar concentrations.

- Groundwater samples collected from MW-30S (J-3 Range at Melt/Pour) had a detection of TNT that was not verified by PDA spectra. Detections of HMX have been verified in previous samples collected from this well.

- Groundwater samples collected from 90LWA0007 (L Range) had detections of 2,6-DNT, 2-nitrotoluene, 3-nitrotoluene, and 4-nitrotoluene that were not verified by PDA spectra. These constituents have not been validated as detections in previous samples collected from this well.

- Groundwater samples collected from 90MW0003 (north of Snake Pond) had a detection of 2-nitrotoluene that was not verified by PDA spectra. 2-Nitrotoluene has not been validated as a detection in previous samples collected from this well.

- Groundwater samples collected from 58MW0002 (CS-19 area) had detections of 4A-DNT, RDX and HMX that were verified by PDA spectra. These explosive compounds have been detected in previous samples collected from this well in similar concentrations. In previous rounds, 2A-DNT has also been detected.

- Groundwater samples collected from 58MW0009E (CS-19 area) had detections of 2A-DNT, 4A-DNT, RDX and HMX that were verified by PDA spectra. This is the first time 2A-DNT has been detected in samples collected from this well. Although 4A-DNT, RDX, and HMX have all been detected in previous sampling rounds, the concentrations of RDX and HMX were less in this round then in previous rounds.

- Groundwater samples collected from 58MW0011D (CS-19 area) had a detection of RDX that was verified by PDA spectra. This is the first time this IRP well has been sampled for the IAGWSP.

- Groundwater samples collected from 90WT0013 (across from L-Range) had a detection of 2-nitrotoluene that was not verified by PDA spectra. 2-Nitrotoluene has not been

validated as a detection in previous samples collected from this well; although there has been one previous valid detection of 2,4-DNT.

- Groundwater samples collected from MW-31M1 (Demo 1 area) had detections of TNT, 2,4-DANT, 2A-DNT, 4A-DNT, RDX and HMX that were verified by PDA spectra. This is the first time that TNT and 2,4-DANT have been detected in samples from this well. 2A-DNT was detected in slightly higher concentrations then in previous samples. The remaining compounds were detected in similar concentrations as in previous sampling rounds.

- The groundwater profile samples from MW-168 (J1P-6) had detections of acetone (20 intervals), MEK (20 intervals), chloroform (11 intervals), toluene (3 intervals), chloroethane (2 intervals), chloromethane (4 intervals), PETN (1 interval), nitrobenzene (3 intervals), picric acid (2 intervals), trinitrobenzene (1 interval), 3-nitrotoluene (1 interval), 4-nitrotoluene (1 interval), 2,4-DNT (3 intervals), and RDX (18 intervals). The 2,4-DNT detections and two RDX detections were verified by PDA spectra.

- The groundwater profile samples from MW-169 (SP-1) had a detection of 1,3,5-trinitrobenzene (1 interval). The detection was not verified by PDA spectra.

- The groundwater profile samples from MW-170 (KP-1) had detections of PETN (1 interval), nitrobenzene (1 interval), picric acid (5 intervals), 1,3-dinitrobenzene (1 interval), 3-nitrotoluene (2 intervals), 4-nitrotoluene (2 intervals), 2,6-DNT (2 intervals), 2A-DNT (1 interval), 2,4-diamino-6-nitrotoluene (2 intervals), and RDX (9 intervals). The 2,4-diamino-6-nitrotoluene detections and one RDX detection were verified by PDA spectra.

- The groundwater profile samples from MW-171 had detections of RDX at six intervals. The RDX detections were verified by PDA spectra.

- A leachate sample from soil collected from a grid at Grenade Court 2 (also GP-11) had a detection of RDX that was verified by PDA spectra.

3. DELIVERABLES SUBMITTED

Deliverables submitted during the reporting period include the following:

Weekly Progress Update, April 16 – April 23	5/01/01
RRA Round 2 Grain Sizing Report	5/07/01
Weekly Progress Update, April 23 – April 27, 2001	5/07/01
April 2001 Monthly Progress Report	5/09/01
Weekly Progress Update, April 30 – May 4, 2001	5/14/01
HUTA-1 Interim Report	5/18/01
Weekly Progress Update, May 7 – May 11, 2001	5/21/01
Weekly Progress Update, May 14 – May 18, 2001	5/29/01
J-1/J-3/L Range Additional Delineation Workplan	5/31/01

4. SCHEDULED ACTIONS

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

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

5. SUMMARY OF ACTIVITIES FOR DEMO 1

The Draft Soil Report is being prepared. Drilling of additional downgradient well MW-172 (D1P-5) has commenced. Additional downgradient well location D1P-6 will also be installed in June. The newest downgradient wells MW-162 and MW-165 were sampled. Analysis of second round groundwater samples from other newly installed wells is ongoing.

TABLE 2
SAMPLING PROGRESS
5/1/2001-5/31/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
6.A.1.00732.1.0	A.1.00732.R	05/08/2001	CRATER GRID	1.50	1.75		
6.A.1.00732.10.0	A.1.00732.R	05/08/2001	CRATER GRID	1.50	1.75		
6.A.1.00732.2.0	A.1.00732.R	05/08/2001	CRATER GRID	1.50	1.75		
6.A.1.00732.3.0	A.1.00732.R	05/08/2001	CRATER GRID	1.50	1.75		
6.A.1.00732.4.0	A.1.00732.R	05/08/2001	CRATER GRID	1.50	1.75		
6.A.1.00732.5.0	A.1.00732.R	05/08/2001	CRATER GRID	1.50	1.75		
6.A.1.00732.6.0	A.1.00732.R	05/08/2001	CRATER GRID	1.50	1.75		
6.A.1.00732.7.0	A.1.00732.R	05/08/2001	CRATER GRID	1.50	1.75		
6.A.1.00732.8.0	A.1.00732.R	05/08/2001	CRATER GRID	1.50	1.75		
6.A.1.00732.9.0	A.1.00732.R	05/08/2001	CRATER GRID	1.50	1.75		
6.A.1.00734.1.0	A.1.00734.R	05/08/2001	CRATER GRID	1.25	1.50		
6.A.1.00734.10.0	A.1.00734.R	05/08/2001	CRATER GRID	1.25	1.50		
6.A.1.00734.2.0	A.1.00734.R	05/08/2001	CRATER GRID	1.25	1.50		
6.A.1.00734.3.0	A.1.00734.R	05/08/2001	CRATER GRID	1.25	1.50		
6.A.1.00734.4.0	A.1.00734.R	05/08/2001	CRATER GRID	1.25	1.50		
6.A.1.00734.5.0	A.1.00734.R	05/08/2001	CRATER GRID	1.25	1.50		
6.A.1.00734.6.0	A.1.00734.R	05/08/2001	CRATER GRID	1.25	1.50		
6.A.1.00734.7.0	A.1.00734.R	05/08/2001	CRATER GRID	1.25	1.50		
6.A.1.00734.8.0	A.1.00734.R	05/08/2001	CRATER GRID	1.25	1.50		
6.A.1.00734.9.0	A.1.00734.R	05/08/2001	CRATER GRID	1.25	1.50		
6.A.1.00735.1.0	A.1.00735.R	05/08/2001	CRATER GRID	1.00	1.25		
6.A.1.00735.10.0	A.1.00735.R	05/08/2001	CRATER GRID	1.00	1.25		
6.A.1.00735.10.D	A.1.00735.R	05/08/2001	CRATER GRID	1.00	1.25		
6.A.1.00735.2.0	A.1.00735.R	05/08/2001	CRATER GRID	1.00	1.25		
6.A.1.00735.3.0	A.1.00735.R	05/08/2001	CRATER GRID	1.00	1.25		
6.A.1.00735.4.0	A.1.00735.R	05/08/2001	CRATER GRID	1.00	1.25		
6.A.1.00735.5.0	A.1.00735.R	05/08/2001	CRATER GRID	1.00	1.25		
6.A.1.00735.6.0	A.1.00735.R	05/08/2001	CRATER GRID	1.00	1.25		
6.A.1.00735.7.0	A.1.00735.R	05/08/2001	CRATER GRID	1.00	1.25		
6.A.1.00735.8.0	A.1.00735.R	05/08/2001	CRATER GRID	1.00	1.25		
6.A.1.00735.9.0	A.1.00735.R	05/08/2001	CRATER GRID	1.00	1.25		
6.A.1.00736.1.0	A.1.00736.R	05/08/2001	CRATER GRID	2.00	2.25		
6.A.1.00736.10.0	A.1.00736.R	05/08/2001	CRATER GRID	2.00	2.25		
6.A.1.00736.2.0	A.1.00736.R	05/08/2001	CRATER GRID	2.00	2.25		
6.A.1.00736.3.0	A.1.00736.R	05/08/2001	CRATER GRID	2.00	2.25		
6.A.1.00736.4.0	A.1.00736.R	05/08/2001	CRATER GRID	2.00	2.25		
6.A.1.00736.5.0	A.1.00736.R	05/08/2001	CRATER GRID	2.00	2.25		
6.A.1.00736.6.0	A.1.00736.R	05/08/2001	CRATER GRID	2.00	2.25		
6.A.1.00736.7.0	A.1.00736.R	05/08/2001	CRATER GRID	2.00	2.25		
6.A.1.00736.8.0	A.1.00736.R	05/08/2001	CRATER GRID	2.00	2.25		
6.A.1.00736.9.0	A.1.00736.R	05/08/2001	CRATER GRID	2.00	2.25		
6.A.1.00726.1.0	A.1.00726.R	05/01/2001	CRATER GRID	1.00	1.25		
6.A.1.00726.2.0	A.1.00726.R	05/01/2001	CRATER GRID	1.00	1.25		
6.A.1.00726.3.0	A.1.00726.R	05/01/2001	CRATER GRID	1.00	1.25		
6.A.1.00726.4.0	A.1.00726.R	05/01/2001	CRATER GRID	1.00	1.25		
6.A.1.00726.5.0	A.1.00726.R	05/01/2001	CRATER GRID	1.00	1.25		
6.A.1.00726.6.0	A.1.00726.R	05/03/2001	CRATER GRID	1.00	1.25		
6.A.1.00726.6.D	A.1.00726.R	05/03/2001	CRATER GRID	1.00	1.25		
6.A.1.00726.7.0	A.1.00726.R	05/03/2001	CRATER GRID	1.00	1.25		

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

TABLE 2
SAMPLING PROGRESS
5/1/2001-5/31/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
6.A.1.00726.8.0	A.1.00726.R	05/03/2001	CRATER GRID	1.00	1.25		
6.A.1.00726.9.0	A.1.00726.R	05/03/2001	CRATER GRID	1.00	1.25		
6.A.1.00726.10.0	A.1.00726.R	05/03/2001	CRATER GRID	1.00	1.25		
6.A.1.00728.1.0	A.1.00728.R	05/01/2001	CRATER GRID	1.50	1.75		
6.A.1.00728.2.0	A.1.00728.R	05/01/2001	CRATER GRID	1.50	1.75		
6.A.1.00728.3.0	A.1.00728.R	05/01/2001	CRATER GRID	1.50	1.75		
6.A.1.00728.4.0	A.1.00728.R	05/01/2001	CRATER GRID	1.50	1.75		
6.A.1.00728.5.0	A.1.00728.R	05/01/2001	CRATER GRID	1.50	1.75		
6.A.1.00728.6.0	A.1.00728.R	05/03/2001	CRATER GRID	1.50	1.75		
6.A.1.00728.7.0	A.1.00728.R	05/03/2001	CRATER GRID	1.50	1.75		
6.A.1.00728.8.0	A.1.00728.R	05/03/2001	CRATER GRID	1.50	1.75		
6.A.1.00728.9.0	A.1.00728.R	05/03/2001	CRATER GRID	1.50	1.75		
6.A.1.00728.10.0	A.1.00728.R	05/03/2001	CRATER GRID	1.50	1.75		
6.A.1.00731.1.0	A.1.00731.R	05/03/2001	CRATER GRID	0.50	0.75		
6.A.1.00731.2.0	A.1.00731.R	05/03/2001	CRATER GRID	0.50	0.75		
6.A.1.00731.3.0	A.1.00731.R	05/03/2001	CRATER GRID	0.50	0.75		
6.A.1.00731.4.0	A.1.00731.R	05/03/2001	CRATER GRID	0.50	0.75		
6.A.1.00731.5.0	A.1.00731.R	05/03/2001	CRATER GRID	0.50	0.75		
6.A.1.00731.6.0	A.1.00731.R	05/03/2001	CRATER GRID	0.50	0.75		
6.A.1.00731.7.0	A.1.00731.R	05/03/2001	CRATER GRID	0.50	0.75		
6.A.1.00731.8.0	A.1.00731.R	05/03/2001	CRATER GRID	0.50	0.75		
6.A.1.00731.9.0	A.1.00731.R	05/03/2001	CRATER GRID	0.50	0.75		
6.A.1.00731.10.0	A.1.00731.R	05/03/2001	CRATER GRID	0.50	0.75		
5.A.1.00749.1.0	A.1.00749.R	05/18/2001	CRATER GRID	1.25	1.50		
5.A.1.00749.10.0	A.1.00749.R	05/18/2001	CRATER GRID	1.25	1.50		
5.A.1.00749.2.0	A.1.00749.R	05/18/2001	CRATER GRID	1.25	1.50		
5.A.1.00749.3.0	A.1.00749.R	05/18/2001	CRATER GRID	1.25	1.50		
5.A.1.00749.4.0	A.1.00749.R	05/18/2001	CRATER GRID	1.25	1.50		
5.A.1.00749.5.0	A.1.00749.R	05/18/2001	CRATER GRID	1.25	1.50		
5.A.1.00749.6.0	A.1.00749.R	05/18/2001	CRATER GRID	1.25	1.50		
5.A.1.00749.7.0	A.1.00749.R	05/18/2001	CRATER GRID	1.25	1.50		
5.A.1.00749.8.0	A.1.00749.R	05/18/2001	CRATER GRID	1.25	1.50		
5.A.1.00749.9.0	A.1.00749.R	05/18/2001	CRATER GRID	1.25	1.50		
5.B.1.00750.4.0	B.1.00750.O	05/16/2001	CRATER GRID	1.25	1.50		
5.B.1.00750.5.0	B.1.00750.O	05/16/2001	CRATER GRID	1.25	1.50		
0.G.0.00032.0.E	Rinsate 32 (Auger)	05/09/2001	FIELD QC	0.00	0.00		
0.G.0.00033.0.E	Rinsate 33 (Auger)	05/09/2001	FIELD QC	0.00	0.00		
0.G.0.00034.0.E	Rinsate 34 (auger)	05/11/2001	FIELD QC	0.00	0.00		
0.G.0.00082.0.T	Trip Blank 82	05/09/2001	FIELD QC	0.00	0.00		
0.G.0.00083.0.T	Trip Blank 83	05/11/2001	FIELD QC	0.00	0.00		
0.G.0.00084.0.T	TRIP BLANK 84	05/11/2001	FIELD QC	0.00	0.00		
0.G.0.00081.0.T	Trip Blank 81	05/08/2001	FIELD QC	0.00	0.00		
4.F.0.00010.4.D	Test Plot 4 Lift 4 Grid	05/08/2001	FIELD QC	9.00	12.00		
6.F.0.00006.2.D	Test Plot 6 Lift 2 Grid	05/11/2001	FIELD QC	3.00	6.00		
0.G.0.00078.0.T	Trip Blank 78	04/30/2001	FIELD QC	0.00	0.00		
0.G.0.00079.0.T	Trip Blank 79	05/01/2001	FIELD QC	0.00	0.00		
0.G.0.00080.0.T	Trip Blank 80	05/03/2001	FIELD QC	0.00	0.00		
0.G.0.00035.0.E	Rinsate 35 (auger)	05/21/2001	FIELD QC	0.00	0.00		
0.G.0.00036.0.E	Rinsate 36 (auger)	05/21/2001	FIELD QC	0.00	0.00		

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

TABLE 2
SAMPLING PROGRESS
5/1/2001-5/31/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
0.G.0.00086.0.T	Trip Blank 86	05/21/2001	FIELD QC	0.00	0.00		
0.G.0.00087.0.T	Trip Blank 87	05/21/2001	FIELD QC	0.00	0.00		
0.G.0.00088.0.T	Trip Blank 88	05/23/2001	FIELD QC	0.00	0.00		
0.G.0.00089.0.T	Trip Blank 89	05/25/2001	FIELD QC	0.00	0.00		
0.G.0.00090.0.T	Trip Blank 90	05/25/2001	FIELD QC	0.00	0.00		
6.F.0.00002.3.D	Test Plot 6 Lift 3 Grid	05/21/2001	FIELD QC	6.00	9.00		
6.F.0.00010.4.D	Test Plot 6 Lift 4 Grid	05/25/2001	FIELD QC	9.00	12.00		
6.F.0.00012.3.D	Test Plot 6 Lift 3 Grid	05/21/2001	FIELD QC	6.00	9.00		
0.G.0.00085.0.T	Trip Blank 85	05/18/2001	FIELD QC	0.00	0.00		
0.G.0.00037.0.E	Rinsate 37 (Auger)	05/29/2001	FIELD QC	0.00	0.00		
0.G.0.00038.0.E	Rinsate 38 (Auger)	05/29/2001	FIELD QC	0.00	0.00		
0.G.0.00039.0.E	Rinsate 39 (Auger)	05/30/2001	FIELD QC	0.00	0.00		
0.G.0.00091.0.T	Trip Blank 91	05/30/2001	FIELD QC	0.00	0.00		
0.G.0.00092.0.T	Trip Blank 92	05/29/2001	FIELD QC	0.00	0.00		
S103-EB-02	FIELDQC	05/17/2001	FIELDQC	0.00	0.00		
S23-EB-0-0	FIELDQC	05/15/2001	FIELDQC	0.00	0.00		
S24-EB-0-0	FIELDQC	05/15/2001	FIELDQC	0.00	0.00		
S25-EB-0-0	FIELDQC	05/15/2001	FIELDQC	0.00	0.00		
S26-EB-0-0	FIELDQC	05/15/2001	FIELDQC	0.00	0.00		
S53-EB-0-8	FIELDQC	05/15/2001	FIELDQC	0.00	0.00		
S54-EB-0-8	FIELDQC	05/15/2001	FIELDQC	0.00	0.00		
S77-EB-01	FIELDQC	05/16/2001	FIELDQC	0.00	0.00		
S79-EB-01	FIELDQC	05/16/2001	FIELDQC	0.00	0.00		
27MW0108AE	FIELDQC	05/23/2001	FIELDQC	0.00	0.00		
58MW0001E	FIELDQC	05/29/2001	FIELDQC	0.00	0.00		
58MW0006EE	FIELDQC	05/22/2001	FIELDQC	0.00	0.00		
58MW0009CE	FIELDQC	05/24/2001	FIELDQC	0.00	0.00		
58MW0016CE	FIELDQC	05/30/2001	FIELDQC	0.00	0.00		
58MW0018AE	FIELDQC	05/25/2001	FIELDQC	0.00	0.00		
90LWA0007E	FIELDQC	05/15/2001	FIELDQC	0.00	0.00		
90MW0003E	FIELDQC	05/16/2001	FIELDQC	0.00	0.00		
90MW0022E	FIELDQC	05/19/2001	FIELDQC	0.00	0.00		
90MW0034E	FIELDQC	05/17/2001	FIELDQC	0.00	0.00		
90MW0070E	FIELDQC	05/18/2001	FIELDQC	0.00	0.00		
90MW0080E	FIELDQC	05/19/2001	FIELDQC	0.00	0.00		
90WT0005E	FIELDQC	05/13/2001	FIELDQC	0.00	0.00		
97-1E	FIELDQC	05/20/2001	FIELDQC	0.00	0.00		
BHW215083BE	FIELDQC	05/29/2001	FIELDQC	0.00	0.00		
G168DAE	FIELDQC	05/02/2001	FIELDQC	0.00	0.00		
G168DFE	FIELDQC	05/03/2001	FIELDQC	0.00	0.00		
G168DRE	FIELDQC	05/04/2001	FIELDQC	0.00	0.00		
G169DAE	FIELDQC	05/09/2001	FIELDQC	0.00	0.00		
G170DAE	FIELDQC	05/14/2001	FIELDQC	0.00	0.00		
G170DBE	FIELDQC	05/15/2001	FIELDQC	0.00	0.00		
G170DHE	FIELDQC	05/16/2001	FIELDQC	0.00	0.00		
G170DSE	FIELDQC	05/17/2001	FIELDQC	0.00	0.00		
G170DVE	FIELDQC	05/18/2001	FIELDQC	0.00	0.00		
G171DPE	FIELDQC	05/21/2001	FIELDQC	0.00	0.00		
G172DAE	FIELDQC	05/31/2001	FIELDQC	0.00	0.00		

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TABLE 2
SAMPLING PROGRESS
5/1/2001-5/31/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC05FAA3AAE	FIELDQC	05/25/2001	FIELDQC	0.00	0.00		
HC102IC1AAE	FIELDQC	05/09/2001	FIELDQC	0.00	0.00		
HC102IC1AAT	FIELDQC	05/09/2001	FIELDQC	0.00	0.00		
HD102BA1AAE	FIELDQC	05/02/2001	FIELDQC	0.00	0.00		
HD102BA1AAT	FIELDQC	05/02/2001	FIELDQC	0.00	0.00		
HD102C1AAE	FIELDQC	05/07/2001	FIELDQC	0.00	0.00		
HD102C1AAT	FIELDQC	05/07/2001	FIELDQC	0.00	0.00		
HD102FB1AAE	FIELDQC	05/08/2001	FIELDQC	0.00	0.00		
HD102FB1AAT	FIELDQC	05/08/2001	FIELDQC	0.00	0.00		
HD102W1AAE	FIELDQC	05/18/2001	FIELDQC	0.00	0.00		
HD102XA1AAE	FIELDQC	05/03/2001	FIELDQC	0.00	0.00		
HD102XB1BAE	FIELDQC	05/04/2001	FIELDQC	0.00	0.00		
HD136A1AAE	FIELDQC	05/25/2001	FIELDQC	0.00	0.00		
HD141D1AAE	FIELDQC	05/01/2001	FIELDQC	0.00	0.00		
HD141D1AAT	FIELDQC	05/01/2001	FIELDQC	0.00	0.00		
HD144A1AAE	FIELDQC	05/11/2001	FIELDQC	0.00	0.00		
HD144A1AAT	FIELDQC	05/11/2001	FIELDQC	0.00	0.00		
LRMW0003E	FIELDQC	05/29/2001	FIELDQC	0.00	0.00		
LRMW0003T	FIELDQC	05/29/2001	FIELDQC	0.00	0.00		
SC16301E	FIELDQC	05/15/2001	FIELDQC	0.00	0.00		
SDW261160E	FIELDQC	05/24/2001	FIELDQC	0.00	0.00		
SDW261160T	FIELDQC	05/24/2001	FIELDQC	0.00	0.00		
SDW263111E	FIELDQC	05/29/2001	FIELDQC	0.00	0.00		
W13DDT	FIELDQC	05/18/2001	FIELDQC	0.00	0.00		
W155M1T	FIELDQC	05/03/2001	FIELDQC	0.00	0.00		
W155M2T	FIELDQC	05/04/2001	FIELDQC	0.00	0.00		
W164M1T	FIELDQC	05/25/2001	FIELDQC	0.00	0.00		
W165M2F	FIELDQC	05/09/2001	FIELDQC	0.00	0.00		
W169M1E	FIELDQC	05/31/2001	FIELDQC	0.00	0.00		
W31SST	FIELDQC	05/17/2001	FIELDQC	0.00	0.00		
W50M1T	FIELDQC	05/22/2001	FIELDQC	0.00	0.00		
W50M2T	FIELDQC	05/14/2001	FIELDQC	0.00	0.00		
W51M1T	FIELDQC	05/10/2001	FIELDQC	0.00	0.00		
W55M2T	FIELDQC	05/21/2001	FIELDQC	0.00	0.00		
W76M2T	FIELDQC	05/16/2001	FIELDQC	0.00	0.00		
FILLER 1	FILLER_1	05/14/2001	FILLER	0.00	0.00		
FILLER 2	FILLER_2	05/14/2001	FILLER	0.00	0.00		
5.C.1.00754.2.0	C.1.00754.O	05/23/2001	GAUZE WIPE	0.50	0.75		
5.C.1.00754.3.0	C.1.00754.O	05/23/2001	GAUZE WIPE	0.50	0.75		
5.C.1.00755.2.0	C.1.00755.O	05/23/2001	GAUZE WIPE	0.50	0.75		
5.C.1.00755.3.0	C.1.00755.O	05/23/2001	GAUZE WIPE	0.50	0.75		
5.C.1.00756.2.0	C.1.00756.O	05/23/2001	GAUZE WIPE	0.00	0.25		
5.D.1.00767.2.0	D.1.00767.O	05/24/2001	GAUZE WIPE	0.50	0.75		
5.D.1.00767.3.0	D.1.00767.O	05/24/2001	GAUZE WIPE	0.50	0.75		
5.D.1.00767.2.D	D.1.00767.O	05/24/2001	GAUZE WIPE	0.50	0.75		
5.C.1.00768.2.0	C.1.00768.O	05/24/2001	GAUZE WIPE	0.25	0.50		
5.C.1.00768.3.0	C.1.00768.O	05/24/2001	GAUZE WIPE	0.25	0.50		
5.C.1.00769.2.0	C.1.00769.O	05/24/2001	GAUZE WIPE	0.50	0.75		
5.C.1.00769.3.0	C.1.00769.O	05/24/2001	GAUZE WIPE	0.50	0.75		

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SAMPLING PROGRESS
5/1/2001-5/31/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
5.C.1.00770.2.0	C.1.00770.O	05/24/2001	GAUZE WIPE	0.25	0.50		
5.C.1.00770.3.0	C.1.00770.O	05/24/2001	GAUZE WIPE	0.25	0.50		
5.D.1.00771.2.0	D.1.00771.O	05/24/2001	GAUZE WIPE	0.00	0.25		
5.D.1.00771.3.0	D.1.00771.O	05/24/2001	GAUZE WIPE	0.00	0.25		
5.D.1.00773.2.0	D.1.00773.O	05/24/2001	GAUZE WIPE	0.25	0.50		
3.D.1.00794.2.0	D.1.00794.O	05/25/2001	GAUZE WIPE	1.00	1.25		
3.D.1.00794.3.0	D.1.00794.O	05/25/2001	GAUZE WIPE	1.00	1.25		
3.D.1.00795.2.0	D.1.00795.O	05/25/2001	GAUZE WIPE	0.25	0.50		
3.D.1.00795.3.0	D.1.00795.O	05/25/2001	GAUZE WIPE	0.25	0.50		
3.D.1.00802.2.0	D.1.00802.O	05/25/2001	GAUZE WIPE	0.75	1.00		
3.D.1.00802.3.0	D.1.00802.O	05/25/2001	GAUZE WIPE	0.75	1.00		
5.D.1.00773.3.0	D.1.00773.O	05/24/2001	GAUZE WIPE	0.25	0.50		
5.D.1.00773.3.D	D.1.00773.O	05/24/2001	GAUZE WIPE	0.25	0.50		
5.C.1.00756.3.0	C.1.00756.O	05/23/2001	GAUZE WIPE	0.00	0.25		
5.D.1.00758.2.0	D.1.00758.O	05/23/2001	GAUZE WIPE	0.25	0.50		
5.D.1.00758.3.0	D.1.00758.O	05/23/2001	GAUZE WIPE	0.25	0.50		
5.C.1.00759.2.0	C.1.00759.O	05/23/2001	GAUZE WIPE	0.50	0.75		
3.D.1.00792.2.0	D.1.00792.O	05/22/2001	GAUZE WIPE	1.00	1.25		
3.D.1.00792.3.0	D.1.00792.O	05/22/2001	GAUZE WIPE	1.00	1.25		
5.C.1.00759.3.0	C.1.00759.O	05/23/2001	GAUZE WIPE	0.50	0.75		
5.C.1.00760.2.0	C.1.00760.O	05/23/2001	GAUZE WIPE	0.50	0.75		
5.C.1.00760.3.0	C.1.00760.O	05/23/2001	GAUZE WIPE	0.50	0.75		
5.C.1.00760.2.D	C.1.00760.O	05/23/2001	GAUZE WIPE	0.50	0.75		
5.C.1.00761.2.0	C.1.00761.O	05/24/2001	GAUZE WIPE	0.75	1.00		
5.C.1.00761.3.0	C.1.00761.O	05/24/2001	GAUZE WIPE	0.75	1.00		
5.C.1.00762.2.0	C.1.00762.O	05/23/2001	GAUZE WIPE	0.50	0.75		
5.C.1.00762.3.0	C.1.00762.O	05/23/2001	GAUZE WIPE	0.50	0.75		
5.C.1.00763.2.0	C.1.00763.O	05/23/2001	GAUZE WIPE	0.25	0.50		
5.C.1.00763.3.0	C.1.00763.O	05/23/2001	GAUZE WIPE	0.25	0.50		
5.C.1.00764.2.0	C.1.00764.O	05/24/2001	GAUZE WIPE	1.00	1.25		
5.C.1.00764.3.0	C.1.00764.O	05/24/2001	GAUZE WIPE	1.00	1.25		
5.D.1.00765.2.0	D.1.00765.O	05/24/2001	GAUZE WIPE	0.25	0.50		
5.D.1.00765.3.0	D.1.00765.O	05/24/2001	GAUZE WIPE	0.25	0.50		
5.C.1.00766.2.0	C.1.00766.O	05/24/2001	GAUZE WIPE	0.25	0.50		
5.C.1.00766.3.0	C.1.00766.O	05/24/2001	GAUZE WIPE	0.25	0.50		
3.D.1.00806.2.0	D.1.00806.O	05/25/2001	GAUZE WIPE	0.50	0.75		
3.D.1.00806.3.0	D.1.00806.O	05/25/2001	GAUZE WIPE	0.50	0.75		
3.D.1.00785.2.0	D.1.00785.O	05/18/2001	GAUZE WIPE	1.50	1.75		
3.D.1.00785.3.0	D.1.00785.O	05/18/2001	GAUZE WIPE	1.50	1.75		
5.B.1.00750.2.0	B.1.00750.O	05/16/2001	GAUZE WIPE	1.25	1.50		
5.B.1.00750.3.0	B.1.00750.O	05/16/2001	GAUZE WIPE	1.25	1.50		
5.C.1.00746.2.0	C.1.00746.O	05/17/2001	GAUZE WIPE	0.25	0.50		
5.C.1.00746.3.0	C.1.00746.O	05/17/2001	GAUZE WIPE	0.25	0.50		
5.C.1.00748.2.0	C.1.00748.O	05/17/2001	GAUZE WIPE	0.50	1.00		
5.C.1.00748.3.0	C.1.00748.O	05/17/2001	GAUZE WIPE	0.50	1.00		
5.C.1.00751.2.0	C.1.00751.O	05/17/2001	GAUZE WIPE	0.25	0.50		
5.C.1.00751.3.0	C.1.00751.O	05/17/2001	GAUZE WIPE	0.25	0.50		
5.C.1.00752.2.0	C.1.00752.O	05/17/2001	GAUZE WIPE	0.00	0.25		
5.C.1.00752.3.0	C.1.00752.O	05/17/2001	GAUZE WIPE	0.00	0.25		

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5/1/2001-5/31/2001

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5.C.1.00753.2.0	C.1.00753.O	05/16/2001	GAUZE WIPE	0.00	0.25		
5.C.1.00753.3.0	C.1.00753.O	05/16/2001	GAUZE WIPE	0.00	0.25		
5.D.1.00747.2.0	D.1.00747.O	05/17/2001	GAUZE WIPE	0.25	0.50		
5.D.1.00747.3.0	D.1.00747.O	05/17/2001	GAUZE WIPE	0.25	0.50		
6.D.1.00742.2.0	D.1.00742.O	05/16/2001	GAUZE WIPE	2.00	2.25		
6.D.1.00742.3.0	D.1.00742.O	05/16/2001	GAUZE WIPE	2.00	2.25		
6.D.1.00745.2.0	D.1.00745.O	05/16/2001	GAUZE WIPE	1.75	2.00		
6.D.1.00745.3.0	D.1.00745.O	05/16/2001	GAUZE WIPE	1.75	2.00		
6.D.1.00774.2.0	D.1.00774.O	05/16/2001	GAUZE WIPE	0.50	0.75		
6.D.1.00774.3.0	D.1.00774.O	05/16/2001	GAUZE WIPE	0.50	0.75		
3.D.1.00810.2.0	D.1.00810.O	05/30/2001	GAUZE WIPE	0.75	1.00		
3.D.1.00810.3.0	D.1.00810.O	05/30/2001	GAUZE WIPE	0.75	1.00		
3.D.1.00818.2.0	D.1.00818.O	05/30/2001	GAUZE WIPE	0.25	0.50		
3.D.1.00818.3.0	D.1.00818.O	05/30/2001	GAUZE WIPE	0.25	0.50		
3.D.1.00820.2.0	D.1.00820.O	05/30/2001	GAUZE WIPE	1.00	1.25		
3.D.1.00820.3.0	D.1.00820.O	05/30/2001	GAUZE WIPE	1.00	1.25		
3.D.1.00825.2.0	D.1.00825.O	05/30/2001	GAUZE WIPE	0.75	1.00		
3.D.1.00825.3.0	D.1.00825.O	05/30/2001	GAUZE WIPE	0.75	1.00		
3.D.1.00829.2.0	D.1.00829.O	05/30/2001	GAUZE WIPE	1.75	2.00		
3.D.1.00829.3.0	D.1.00829.O	05/30/2001	GAUZE WIPE	1.75	2.00		
27MW0017A	27MW0017A	05/20/2001	GROUNDWATER	132.00	142.00	48.10	58.10
27MW0108A	27MW0108A	05/23/2001	GROUNDWATER	217.00	227.00	76.70	86.70
58MW0001	58MW0001	05/29/2001	GROUNDWATER	122.00	127.00	3.60	8.60
58MW0002	58MW0002	05/23/2001	GROUNDWATER	121.50	126.50	2.90	7.90
58MW0003	58MW0003	05/30/2001	GROUNDWATER	119.00	124.00	0.30	5.30
58MW0006E	58MW0006E	05/22/2001	GROUNDWATER	115.00	120.00	0.00	5.00
58MW0007C	58MW0007C	05/23/2001	GROUNDWATER	195.00	205.00	56.00	66.00
58MW0007E	58MW0007E	05/22/2001	GROUNDWATER	134.00	139.00	0.00	5.00
58MW0009C	58MW0009C	05/24/2001	GROUNDWATER	223.60	228.60	98.03	103.03
58MW0009E	58MW0009E	05/23/2001	GROUNDWATER	223.60	228.60	96.00	101.00
58MW0011D	58MW0011D	05/24/2001	GROUNDWATER	180.00	185.00	49.50	54.50
58MW0011E	58MW0011E	05/23/2001	GROUNDWATER	180.00	185.00	49.50	54.50
58MW0015B	58MW0015B	05/30/2001	GROUNDWATER	135.00	145.00	12.70	22.70
58MW0016A	58MW0016A	05/30/2001	GROUNDWATER	220.00	230.00	97.20	107.20
58MW0016B	58MW0016B	05/30/2001	GROUNDWATER	151.00	161.00	28.50	38.50
58MW0016C	58MW0016C	05/30/2001	GROUNDWATER	116.00	126.00	0.00	10.00
58MW0018A	58MW0018A	05/25/2001	GROUNDWATER	237.00	247.00	93.90	103.90
58MW0018B	58MW0018B	05/25/2001	GROUNDWATER	179.00	189.00	36.50	46.50
58MW0018C	58MW0018C	05/25/2001	GROUNDWATER	179.00	189.00	29.00	39.00
90LWA0007	90LWA0007	05/15/2001	GROUNDWATER	92.00	102.00	0.00	10.00
90MW0003	90MW0003	05/16/2001	GROUNDWATER	144.00	149.00	52.11	57.11
90MW0022	90MW0022	05/19/2001	GROUNDWATER	111.00	116.00	72.10	77.10
90MW0034	90MW0034	05/17/2001	GROUNDWATER	94.00	99.00	28.57	33.57
90MW0054	90MW0054	05/17/2001	GROUNDWATER	107.00	112.00	91.17	96.17
90MW0063	90MW0063	05/17/2001	GROUNDWATER	50.00	55.00	32.07	37.07
90MW0063	90MW0063	05/18/2001	GROUNDWATER	50.00	55.00	32.10	37.10
90MW0070	90MW0070	05/16/2001	GROUNDWATER	132.50	137.50	75.80	80.80
90MW0070	90MW0070	05/18/2001	GROUNDWATER	132.00	137.00	75.30	80.30
90MW0070D	90MW0070	05/16/2001	GROUNDWATER	132.50	137.50	75.80	80.80

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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
90MW0071	90MW0071	05/16/2001	GROUNDWATER	150.00	155.00	79.57	84.57
90MW0071	90MW0071	05/18/2001	GROUNDWATER	150.00	155.00	79.50	84.50
90MW0080	90MW0080	05/19/2001	GROUNDWATER	139.00	144.00	87.40	92.40
90SNP0001	90SNP0001	05/31/2001	GROUNDWATER				
90SNP0002	90SNP0002	05/31/2001	GROUNDWATER				
90SNP001	90SNP001	05/15/2001	GROUNDWATER				
90SNP002	90SNP002	05/15/2001	GROUNDWATER				
90WT0003	90WT0003	05/13/2001	GROUNDWATER	87.50	97.50	0.00	10.00
90WT0004	90WT0004	05/13/2001	GROUNDWATER	35.00	45.00	0.00	10.00
90WT0005	90WT0005	05/13/2001	GROUNDWATER	50.00	60.00	0.00	10.00
90WT0006	90WT0006	05/13/2001	GROUNDWATER	35.00	45.00	0.00	10.00
90WT0013	90WT0013	05/20/2001	GROUNDWATER	95.00	105.00	0.00	10.00
95-6A	95-6A	05/19/2001	GROUNDWATER	175.00	185.00	145.70	155.70
95-6B	95-6B	05/19/2001	GROUNDWATER	114.00	124.00	88.90	98.90
95-6ES	95-6ES	05/20/2001	GROUNDWATER	38.00	48.00	0.00	10.00
97-1	97-1	05/20/2001	GROUNDWATER	73.50	83.50	52.60	62.60
97-3	97-3	05/20/2001	GROUNDWATER	87.00	97.00	48.50	58.50
ASPWELL	ASPWELL	05/24/2001	GROUNDWATER			0.00	0.00
BHW215083B	BHW215083B	05/29/2001	GROUNDWATER	75.00	85.00	0.00	10.00
LRMW0003	LRMW0003	05/29/2001	GROUNDWATER	100.00	110.00	50.00	60.00
PA-1006801-802	90MW104A	05/01/2001	GROUNDWATER	155.00	160.00	135.60	140.60
PA-1006803-804	90MW104A	05/01/2001	GROUNDWATER	165.00	170.00	145.60	150.60
PPAWSPW-1	PPAWSPW-1	05/16/2001	GROUNDWATER			158.00	178.00
PPAWSPW-2	PPAWSPW-2	05/16/2001	GROUNDWATER			85.00	105.00
RS0011SNP	RS0011SNP	05/30/2001	GROUNDWATER				
RS0019CARR	RS0019CARR	05/30/2001	GROUNDWATER				
RS0021GRAC	RS0021GRAC	05/30/2001	GROUNDWATER				
RS0043FAHA	RS0043FAHA	05/30/2001	GROUNDWATER				
SDW261160	SDW261160	05/24/2001	GROUNDWATER	152.00	162.00	9.87	19.87
SDW263111	SDW263111	05/29/2001	GROUNDWATER	99.00	109.00	0.00	10.00
USCSANTST	USCSANTST	05/16/2001	GROUNDWATER				
W109SSA	MW-109	05/03/2001	GROUNDWATER	89.00	99.00	0.00	10.00
W112M1A	MW-112	05/01/2001	GROUNDWATER	195.00	205.00	53.70	63.70
W112M2A	MW-112	05/01/2001	GROUNDWATER	165.00	175.00	23.70	33.70
W112M2D	MW-112	05/01/2001	GROUNDWATER	165.00	175.00	23.70	33.70
W133M1A	MW-133	05/14/2001	GROUNDWATER	352.00	362.00	133.60	143.60
W133M2A	MW-133	05/14/2001	GROUNDWATER	321.00	331.00	102.60	112.60
W13DDA	MW-13	05/17/2001	GROUNDWATER	220.00	225.00	141.20	146.20
W152M1A	MW-152	05/01/2001	GROUNDWATER	250.00	260.00	140.80	150.80
W155M1A	MW-155	05/03/2001	GROUNDWATER	124.00	134.00	96.20	106.20
W155M2A	MW-155	05/03/2001	GROUNDWATER	45.00	55.00	17.10	27.10
W156SSA	MW-156	05/04/2001	GROUNDWATER	77.00	87.00	0.10	10.10
W157M1A	MW-157	05/03/2001	GROUNDWATER	209.00	219.00	195.60	205.60
W157M2A	MW-157	05/03/2001	GROUNDWATER	154.00	164.00	140.30	150.60
W157M3A	MW-157	05/03/2001	GROUNDWATER	110.00	120.00	96.60	106.60
W15M1A	MW-15	05/11/2001	GROUNDWATER	163.00	173.00	50.60	60.60
W15M2A	MW-15	05/11/2001	GROUNDWATER	114.00	154.00	1.70	11.70
W15M3A	MW-15	05/11/2001	GROUNDWATER	124.00	134.00	11.70	21.70
W162M1A	MW-162	05/04/2001	GROUNDWATER	190.00	200.00	114.20	124.20

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TABLE 2
SAMPLING PROGRESS
5/1/2001-5/31/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W162M2A	MW-162	05/05/2001	GROUNDWATER	125.00	135.00	49.20	59.20
W162M3A	MW-162	05/05/2001	GROUNDWATER	85.00	95.00	9.10	19.10
W164M1A	MW-164	05/25/2001	GROUNDWATER	227.00	237.00	115.30	125.30
W164M2A	MW-164	05/25/2001	GROUNDWATER	157.00	167.00	45.30	55.30
W164M3A	MW-164	05/25/2001	GROUNDWATER	117.00	127.00	5.30	15.30
W164M3D	MW-164	05/25/2001	GROUNDWATER	117.00	127.00	5.30	15.30
W165M1A	MW-165	05/07/2001	GROUNDWATER	184.00	194.00	107.30	117.30
W165M2A	MW-165	05/08/2001	GROUNDWATER	124.00	134.00	44.20	54.20
W165M2A	MW-165	05/08/2001	GROUNDWATER	124.00	134.00	44.20	54.20
W165M2A	MW-165	05/17/2001	GROUNDWATER	124.00	134.00	44.30	54.30
W165M3A	MW-165	05/09/2001	GROUNDWATER	94.00	104.00	14.20	24.20
W165M3D	MW-165	05/09/2001	GROUNDWATER	94.00	104.00	14.20	24.20
W166M1A	MW-166	05/31/2001	GROUNDWATER	218.00	223.00	108.80	113.80
W16DDA	MW-16	05/18/2001	GROUNDWATER	355.00	360.00	218.85	223.85
W16SSA	MW-16	05/18/2001	GROUNDWATER	125.00	135.00	0.00	10.00
W171M1A	MW-171	05/31/2001	GROUNDWATER	141.00	146.00	139.53	144.53
W171M2A	MW-171	05/31/2001	GROUNDWATER	81.00	86.00	79.60	84.60
W171M3A	MW-171	05/31/2001	GROUNDWATER	29.00	34.00	27.60	32.60
W17DDA	MW-17	05/02/2001	GROUNDWATER	320.00	330.00	190.90	200.90
W19DDA	MW-19	05/02/2001	GROUNDWATER	293.00	298.00	246.50	251.50
W1M1A	MW-1	05/01/2001	GROUNDWATER	220.00	225.00	99.30	104.30
W1M2A	MW-1	05/01/2001	GROUNDWATER	160.00	165.00	39.90	44.90
W21M3A	MW-21	05/07/2001	GROUNDWATER	196.00	206.00	16.05	26.05
W23M1A	MW-23	05/11/2001	GROUNDWATER	225.00	235.00	95.00	105.00
W25SSA	MW-25	05/01/2001	GROUNDWATER	108.00	118.00	0.00	10.00
W27SSA	MW-27	05/01/2001	GROUNDWATER	117.00	127.00	0.00	10.00
W2M1A	MW-2	05/03/2001	GROUNDWATER	212.00	217.00	69.10	74.10
W2M2A	MW-2	05/03/2001	GROUNDWATER	170.00	175.00	27.10	32.10
W30SSA	MW-30	05/04/2001	GROUNDWATER	26.00	36.00	25.70	35.70
W31DDA	MW-31	05/02/2001	GROUNDWATER	133.00	138.00	42.50	47.50
W31MMA	MW-31	05/16/2001	GROUNDWATER	113.00	123.00	22.55	32.55
W31MMA	MW-31	05/23/2001	GROUNDWATER	113.00	123.00	22.67	32.67
W31SSA	MW-31	05/02/2001	GROUNDWATER	98.00	103.00	7.30	12.30
W31SSA	MW-31	05/16/2001	GROUNDWATER	98.00	103.00	7.43	12.43
W33DDA	MW-33	05/07/2001	GROUNDWATER	181.50	186.50	78.40	83.40
W33MMA	MW-33	05/07/2001	GROUNDWATER	161.50	171.50	57.70	67.70
W33MMD	MW-33	05/07/2001	GROUNDWATER	161.50	171.50	57.70	67.70
W34M1A	MW-34	05/05/2001	GROUNDWATER	151.00	161.00	70.20	80.20
W34M2A	MW-34	05/01/2001	GROUNDWATER	131.00	141.00	50.10	60.10
W34M2A	MW-34	05/17/2001	GROUNDWATER	131.00	141.00	50.05	60.05
W34M3A	MW-34	05/01/2001	GROUNDWATER	111.00	121.00	29.90	39.90
W35M1A	MW-35	05/04/2001	GROUNDWATER	155.00	165.00	64.40	74.40
W35M2A	MW-35	05/07/2001	GROUNDWATER	100.00	110.00	16.40	26.40
W35SSA	MW-35	05/22/2001	GROUNDWATER	84.00	94.00	0.00	10.00
W36M1A	MW-36	05/15/2001	GROUNDWATER	151.00	161.00	71.70	81.70
W36M2A	MW-36	05/17/2001	GROUNDWATER	131.00	141.00	51.85	61.85
W38M2A	MW-38	05/08/2001	GROUNDWATER	187.00	197.00	64.10	74.10
W38M3A	MW-38	05/08/2001	GROUNDWATER	170.00	180.00	47.30	57.30
W38M4A	MW-38	05/01/2001	GROUNDWATER	132.00	142.00	9.10	19.10

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SAMPLING PROGRESS
5/1/2001-5/31/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W38M4A	MW-38	05/08/2001	GROUNDWATER	132.00	142.00	9.20	19.20
W39M1A	MW-39	05/01/2001	GROUNDWATER	220.00	230.00	80.30	90.30
W39M1A	MW-39	05/21/2001	GROUNDWATER	220.00	230.00	80.60	90.60
W39M2A	MW-39	05/01/2001	GROUNDWATER	175.00	185.00	35.20	45.20
W39M2A	MW-39	05/10/2001	GROUNDWATER	175.00	185.00	35.42	45.42
W3DDA	MW-3	05/18/2001	GROUNDWATER	262.00	267.00	211.54	216.54
W4036000-03GA	4036000-03	05/09/2001	GROUNDWATER				
W4036000-04GA	4036000-04	05/09/2001	GROUNDWATER				
W4036000-06GA	4036000-06	05/09/2001	GROUNDWATER				
W41M1A	MW-41	05/09/2001	GROUNDWATER	235.00	245.00	103.50	113.50
W4261000-02GA	4261000-02	05/08/2001	GROUNDWATER				
W4261000-03GA	4261000-03	05/08/2001	GROUNDWATER				
W4261000-04GA	4261000-04	05/08/2001	GROUNDWATER				
W4261000-06GA	4261000-06	05/08/2001	GROUNDWATER				
W4261000-07GA	4261000-07	05/08/2001	GROUNDWATER				
W4261000-08GA	4261000-08	05/08/2001	GROUNDWATER				
W4261000-09GA	4261000-09	05/08/2001	GROUNDWATER				
W4261000-10GA	4261000-10	05/08/2001	GROUNDWATER				
W4261000-11GA	4261000-11	05/08/2001	GROUNDWATER				
W42M1A	MW-42	05/09/2001	GROUNDWATER	206.00	216.00	135.30	145.30
W42M2A	MW-42	05/10/2001	GROUNDWATER	186.00	196.00	115.35	125.35
W42M2D	MW-42	05/10/2001	GROUNDWATER	186.00	196.00	115.35	125.35
W42M3A	MW-42	05/15/2001	GROUNDWATER	166.00	176.00	95.30	105.30
W43M1A	MW-43	05/02/2001	GROUNDWATER	223.00	233.00	85.10	95.10
W43M2A	MW-43	05/02/2001	GROUNDWATER	200.00	210.00	62.30	72.30
W44M1A	MW-44	05/08/2001	GROUNDWATER	182.00	192.00	51.00	61.00
W45M2A	MW-45	05/22/2001	GROUNDWATER	110.00	120.00	15.40	25.40
W46M1A	MW-46	05/22/2001	GROUNDWATER	262.00	272.00	98.90	108.90
W46M2A	MW-46	05/21/2001	GROUNDWATER	215.00	225.00	51.70	61.70
W47M2A	MW-47	05/21/2001	GROUNDWATER	131.50	141.50	30.60	40.60
W47M3A	MW-47	05/21/2001	GROUNDWATER	115.00	120.00	14.20	19.20
W49M1A	MW-49	05/02/2001	GROUNDWATER	160.00	170.00	86.40	96.40
W49M1A	MW-49	05/09/2001	GROUNDWATER	160.00	170.00	86.40	96.40
W50DDA	MW-50	05/14/2001	GROUNDWATER	237.00	247.00	115.20	125.20
W50DDD	MW-50	05/14/2001	GROUNDWATER	237.00	247.00	115.20	125.20
W50M1A	MW-50	05/22/2001	GROUNDWATER	207.00	217.00	85.40	95.40
W50M2A	MW-50	05/14/2001	GROUNDWATER	177.00	187.00	55.30	65.30
W50M3A	MW-50	05/14/2001	GROUNDWATER	147.00	157.00	25.20	35.20
W51DDA	MW-51	05/14/2001	GROUNDWATER	264.00	274.00	114.80	124.80
W51DDD	MW-51	05/14/2001	GROUNDWATER	264.00	274.00	114.80	124.80
W51M1A	MW-51	05/10/2001	GROUNDWATER	234.00	244.00	84.68	94.68
W51M3A	MW-51	05/14/2001	GROUNDWATER	173.00	183.00	23.60	33.60
W52DDA	MW-52	05/21/2001	GROUNDWATER	369.00	379.00	213.20	223.20
W52M3A	MW-52	05/21/2001	GROUNDWATER	210.00	215.00	55.10	60.10
W53DDA	MW-53	05/09/2001	GROUNDWATER	283.00	293.00	152.10	162.10
W53M1A	MW-53	05/21/2001	GROUNDWATER	224.00	234.00	0.00	10.00
W54M1A	MW-54	05/20/2001	GROUNDWATER	230.00	240.00	75.60	85.60
W54M2A	MW-54	05/22/2001	GROUNDWATER	210.00	220.00	7.60	17.60
W55M1A	MW-55	05/08/2001	GROUNDWATER	225.00	235.00	85.20	95.20

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5/1/2001-5/31/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W55M2A	MW-55	05/21/2001	GROUNDWATER	195.00	205.00	55.65	65.65
W55M2D	MW-55	05/21/2001	GROUNDWATER	195.00	205.00	55.65	65.65
W57DDA	MW-57	05/08/2001	GROUNDWATER	213.00	223.00	124.40	134.40
W57M1A	MW-57	05/04/2001	GROUNDWATER	188.00	198.00	98.60	108.60
W57M2A	MW-57	05/04/2001	GROUNDWATER	148.00	158.00	64.60	74.60
W57M3A	MW-57	05/07/2001	GROUNDWATER	117.00	127.00	27.50	37.50
W57SSA	MW-57	05/07/2001	GROUNDWATER	85.00	95.00	4.60	14.60
W59M2A	MW-59	05/15/2001	GROUNDWATER	150.00	160.00	12.60	22.60
W5DDA	MW-5	05/18/2001	GROUNDWATER	335.00	340.00	216.25	221.25
W5DDD	MW-5	05/18/2001	GROUNDWATER	335.00	340.00	216.25	221.25
W65SSA	MW-65	05/15/2001	GROUNDWATER	116.00	126.00	0.00	10.00
W66SSA	MW-66	05/15/2001	GROUNDWATER	125.00	136.00	0.00	10.00
W67M1A	MW-67	05/16/2001	GROUNDWATER	243.00	253.00	82.08	92.08
W67SSA	MW-67	05/16/2001	GROUNDWATER	161.00	171.00	2.15	12.15
W68SSA	MW-68	05/10/2001	GROUNDWATER	84.00	94.00	6.53	16.53
W69SSA	MW-69	05/14/2001	GROUNDWATER	110.00	120.00	0.00	10.00
W70SSA	MW-70	05/14/2001	GROUNDWATER	132.00	142.00	1.40	10.40
W74M1A	MW-74	05/02/2001	GROUNDWATER	170.00	180.00	78.30	88.30
W74M1A	MW-74	05/08/2001	GROUNDWATER	170.00	180.00	72.40	82.40
W74M2A	MW-74	05/02/2001	GROUNDWATER	125.00	135.00	33.30	44.30
W74M3A	MW-74	05/10/2001	GROUNDWATER	100.00	110.00	2.32	12.32
W75M1A	MW-75	05/09/2001	GROUNDWATER	140.00	150.00	55.20	65.20
W75M2A	MW-75	05/09/2001	GROUNDWATER	115.00	125.00	30.20	40.20
W75M2D	MW-75	05/09/2001	GROUNDWATER	115.00	125.00	30.20	40.20
W75SSA	MW-75	05/09/2001	GROUNDWATER	81.00	91.00	0.00	10.00
W76M1A	MW-76	05/07/2001	GROUNDWATER	125.00	135.00	54.20	64.20
W76M1A	WL-76	05/16/2001	GROUNDWATER	125.00	135.00	54.21	64.21
W76M2A	MW-76	05/07/2001	GROUNDWATER	105.00	115.00	34.10	44.10
W76M2A	WL-76	05/16/2001	GROUNDWATER	105.00	115.00	34.17	44.17
W76SSA	MW-76	05/07/2001	GROUNDWATER	85.00	95.00	14.20	24.20
W76SSA	WL-76	05/16/2001	GROUNDWATER	85.00	95.00	4.30	14.30
W77M1A	MW-77	05/11/2001	GROUNDWATER	180.00	190.00	93.60	103.60
W77M1A	MW-77	05/16/2001	GROUNDWATER	180.00	190.00	93.68	103.68
W77M2A	MW-77	05/10/2001	GROUNDWATER	120.00	130.00	33.61	43.61
W77M2A	MW-77	05/16/2001	GROUNDWATER	120.00	130.00	33.69	43.69
W77SSA	MW-77	05/10/2001	GROUNDWATER	83.00	93.00	0.00	10.00
W77SSD	MW-77	05/10/2001	GROUNDWATER	83.00	93.00	0.00	10.00
W78M1A	MW-78	05/10/2001	GROUNDWATER	135.00	145.00	53.69	63.69
W78M2A	MW-78	05/10/2001	GROUNDWATER	115.00	125.00	33.77	43.77
W78M3A	MW-78	05/11/2001	GROUNDWATER	85.00	95.00	3.70	13.70
W7M1A	MW-7	05/24/2001	GROUNDWATER	240.00	245.00	130.62	135.62
W7M1L	MW-7	05/24/2001	GROUNDWATER	240.00	245.00	130.62	135.62
W7M2A	MW-7	05/24/2001	GROUNDWATER	170.00	175.00	60.62	65.62
PWPPC24MY1A	RRA CONTAINMEN-	05/24/2001	IDW				
PWPPC27MY1A	RRA CONTAINMEN-	05/27/2001	IDW				
SWPPSUMP1A	RRA CONTAINMEN-	05/24/2001	IDW				
SWPPSUMP2A	RRA CONTAINMEN-	05/24/2001	IDW				
SWPPSUMP3A	RRA CONTAINMEN-	05/24/2001	IDW				
90WT OIL	90WT OIL	05/17/2001	IDW				

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5/1/2001-5/31/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
ATF	ATF	05/17/2001	IDW				
DIESEL	DIESEL	05/17/2001	IDW				
DW051001	GAC WATER	05/10/2001	IDW	0.00	0.00		
DW051801	GAC WATER	05/18/2001	IDW	0.00	0.00		
DW052401	GAC WATER	05/23/2001	IDW	0.00	0.00		
DW052901	GAC WATER	05/29/2001	IDW	0.00	0.00		
HYDRAULIC FLUID	HYDRAULIC FLUID	05/17/2001	IDW				
SC16301	SOIL CUTTINGS	05/15/2001	IDW				
SC16302	SOIL CUTTINGS	05/15/2001	IDW				
SC16401	SOIL CUTTINGS	05/15/2001	IDW				
SC16402	SOIL CUTTINGS	05/15/2001	IDW				
SC16501	SOIL CUTTINGS	05/15/2001	IDW				
SC16502	SOIL CUTTINGS	05/15/2001	IDW				
SC16601	SOIL CUTTINGS	05/15/2001	IDW				
SC16602	SOIL CUTTINGS	05/15/2001	IDW				
SC16701	SOIL CUTTINGS	05/15/2001	IDW				
SC16702	SOIL CUTTINGS	05/15/2001	IDW				
SC16801	SOIL CUTTINGS	05/15/2001	IDW				
SC16802	SOIL CUTTINGS	05/15/2001	IDW				
DSL-C4-CYC-SPLIT	DSL-C4-CYC-SPLIT	05/10/2001	OTHER				
DSL-COMPB-CYC-S	DSL-COMPB-CYC-S	05/10/2001	OTHER				
LC102Q1AAA	LC102Q1	05/18/2001	OTHER				
FS12TSEF	FS12TSEF	05/01/2001	PROCESS WATEF	0.00	0.00		
FS12TSIN	FS12TSIN	05/01/2001	PROCESS WATEF	0.00	0.00		
G168DAA	MW-168	05/02/2001	PROFILE	93.00	93.00	6.90	6.90
G168DBA	MW-168	05/02/2001	PROFILE	103.00	103.00	16.90	16.90
G168DCA	MW-168	05/02/2001	PROFILE	113.00	113.00	26.90	26.90
G168DCD	MW-168	05/02/2001	PROFILE	113.00	113.00	26.90	26.90
G168DDA	MW-168	05/02/2001	PROFILE	123.00	123.00	36.90	36.90
G168DEA	MW-168	05/02/2001	PROFILE	133.00	133.00	46.90	46.90
G168DFA	MW-168	05/03/2001	PROFILE	143.00	143.00	56.90	56.90
G168DFD	MW-168	05/03/2001	PROFILE	143.00	143.00	56.90	56.90
G168DGA	MW-168	05/03/2001	PROFILE	153.00	153.00	66.90	66.90
G168DHA	MW-168	05/03/2001	PROFILE	163.00	163.00	76.90	76.90
G168DIA	MW-168	05/03/2001	PROFILE	173.00	173.00	86.90	86.90
G168DJA	MW-168	05/03/2001	PROFILE	183.00	183.00	96.60	96.90
G168DJA	MW-168	05/03/2001	PROFILE	183.00	183.00	96.90	96.90
G168DKA	MW-168	05/03/2001	PROFILE	193.00	193.00	106.90	106.90
G168DLA	MW-168	05/03/2001	PROFILE	203.00	203.00	116.90	116.90
G168DMA	MW-168	05/03/2001	PROFILE	213.00	213.00	126.90	126.90
G168DNA	MW-168	05/03/2001	PROFILE	223.00	223.00	136.90	136.90
G168DOA	MW-168	05/03/2001	PROFILE	233.00	233.00	146.90	146.90
G168DPA	MW-168	05/03/2001	PROFILE	243.00	243.00	156.90	156.90
G168DQA	MW-168	05/03/2001	PROFILE	253.00	253.00	166.90	166.90
G168DQA	MW-168	05/04/2001	PROFILE	253.00	253.00	166.90	166.90
G168DQD	MW-168	05/03/2001	PROFILE	253.00	253.00	166.90	166.90
G168DRA	MW-168	05/04/2001	PROFILE	263.00	263.00	176.90	176.90
G168DSA	MW-168	05/04/2001	PROFILE	273.00	273.00	186.90	186.90
G168DTA	MW-168	05/04/2001	PROFILE	283.00	283.00	196.90	196.90

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5/1/2001-5/31/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G169DAA	MW-169	05/09/2001	PROFILE	4.00	9.00	1.40	6.40
G169DBA	MW-169	05/09/2001	PROFILE	14.00	19.00	11.40	16.40
G169DCA	MW-169	05/09/2001	PROFILE	24.00	29.00	21.40	26.40
G169DCD	MW-169	05/09/2001	PROFILE	24.00	29.00	21.40	26.40
G169DDA	MW-169	05/09/2001	PROFILE	34.00	39.00	31.40	36.40
G169DEA	MW-169	05/09/2001	PROFILE	44.00	49.00	41.40	46.40
G169DFA	MW-169	05/09/2001	PROFILE	54.00	59.00	51.40	56.40
G169DFD	MW-169	05/09/2001	PROFILE	54.00	59.00	51.40	56.40
G169DGA	MW-169	05/09/2001	PROFILE	64.00	69.00	61.40	66.40
G169DHA	MW-169	05/09/2001	PROFILE	74.00	79.00	71.40	76.40
G169DIA	MW-169	05/09/2001	PROFILE	84.00	89.00	81.40	86.40
G169DJA	MW-169	05/10/2001	PROFILE	94.00	99.00	91.40	96.40
G169DKA	MW-169	05/10/2001	PROFILE	104.00	109.00	101.40	106.40
G169DLA	MW-169	05/10/2001	PROFILE	114.00	119.00	111.40	116.40
G169DMA	MW-169	05/10/2001	PROFILE	124.00	129.00	121.40	126.40
G169DNA	MW-169	05/10/2001	PROFILE	134.00	139.00	131.40	136.40
G169DOA	MW-169	05/10/2001	PROFILE	144.00	149.00	141.40	146.40
G170DAA	MW-170	05/14/2001	PROFILE	110.00	110.00	2.10	2.10
G170DBA	MW-170	05/15/2001	PROFILE	120.00	120.00	12.10	12.10
G170DCA	MW-170	05/15/2001	PROFILE	130.00	130.00	22.10	22.10
G170DCD	MW-170	05/15/2001	PROFILE	130.00	130.00	22.10	22.10
G170DDA	MW-170	05/15/2001	PROFILE	140.00	140.00	32.10	32.10
G170DEA	MW-170	05/15/2001	PROFILE	150.00	150.00	42.10	42.10
G170DFA	MW-170	05/15/2001	PROFILE	160.00	160.00	52.10	52.10
G170DFD	MW-170	05/15/2001	PROFILE	160.00	160.00	52.10	52.10
G170DGA	MW-170	05/15/2001	PROFILE	170.00	170.00	62.10	62.10
G170DHA	MW-170	05/16/2001	PROFILE	180.00	180.00	72.10	72.10
G170DIA	MW-170	05/16/2001	PROFILE	190.00	190.00	82.10	82.10
G170DJA	MW-170	05/16/2001	PROFILE	200.00	200.00	92.10	92.10
G170DLA	MW-170	05/16/2001	PROFILE	220.00	220.00	112.10	112.10
G170DMA	MW-170	05/16/2001	PROFILE	230.00	230.00	122.10	122.10
G170DNA	MW-170	05/16/2001	PROFILE	240.00	240.00	132.10	132.10
G170DOA	MW-170	05/16/2001	PROFILE	250.00	250.00	142.10	142.10
G170DPA	MW-170	05/16/2001	PROFILE	260.00	260.00	152.10	152.10
G170DQA	MW-170	05/16/2001	PROFILE	270.00	270.00	162.10	162.10
G170DQA	MW-170	05/18/2001	PROFILE	270.00	270.00	162.10	162.10
G170DQD	MW-170	05/16/2001	PROFILE	270.00	270.00	162.10	162.10
G170DRA	MW-170	05/17/2001	PROFILE	280.00	280.00	172.10	172.10
G170DSA	MW-170	05/17/2001	PROFILE	290.00	290.00	182.10	182.10
G170DTA	MW-170	05/17/2001	PROFILE	300.00	300.00	192.10	192.10
G170DUA	MW-170	05/17/2001	PROFILE	310.00	310.00	202.10	202.10
G170DVA	MW-170	05/18/2001	PROFILE	320.00	320.00	212.10	212.10
G170DWA	MW-170	05/18/2001	PROFILE	330.00	330.00	222.10	222.10
G170DXA	MW-170	05/18/2001	PROFILE	340.00	340.00	232.10	232.10
G171DAA	MW-171	05/16/2001	PROFILE	4.00	4.00	1.35	1.35
G171DBA	MW-171	05/16/2001	PROFILE	14.00	14.00	11.35	11.35
G171DCA	MW-171	05/16/2001	PROFILE	24.00	24.00	21.35	21.35
G171DCD	MW-171	05/16/2001	PROFILE	24.00	24.00	21.35	21.35
G171DDA	MW-171	05/16/2001	PROFILE	34.00	34.00	31.35	31.35

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TABLE 2
SAMPLING PROGRESS
5/1/2001-5/31/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G171DEA	MW-171	05/17/2001	PROFILE	44.00	49.00	41.35	46.35
G171DFA	MW-171	05/17/2001	PROFILE	54.00	59.00	51.35	56.35
G171DGA	MW-171	05/17/2001	PROFILE	64.00	69.00	61.35	66.35
G171DHA	MW-171	05/17/2001	PROFILE	74.00	79.00	71.35	76.35
G171DIA	MW-171	05/17/2001	PROFILE	84.00	89.00	81.35	86.35
G171DJA	MW-171	05/18/2001	PROFILE	94.00	99.00	91.35	96.35
G171DKA	MW-171	05/18/2001	PROFILE	104.00	109.00	101.35	106.35
G171DLA	MW-171	05/18/2001	PROFILE	114.00	119.00	111.35	116.35
G171DMA	MW-171	05/18/2001	PROFILE	124.00	129.00	121.35	126.35
G171DNA	MW-171	05/18/2001	PROFILE	134.00	139.00	131.35	136.35
G171DOA	MW-171	05/21/2001	PROFILE	144.00	149.00	141.35	146.35
G171DPA	MW-171	05/21/2001	PROFILE	154.00	159.00	151.35	156.35
G171DQA	MW-171	05/21/2001	PROFILE	164.00	169.00	161.35	166.35
G171DRA	MW-171	05/21/2001	PROFILE	174.00	179.00	171.35	176.35
G171DSA	MW-171	05/21/2001	PROFILE	184.00	189.00	181.35	186.35
G171DSD	MW-171	05/21/2001	PROFILE	184.00	189.00	181.35	186.35
G172DAA	MW-172	05/31/2001	PROFILE	72.00	72.00	8.20	8.20
G172DBA	MW-172	05/31/2001	PROFILE	82.00	82.00	18.20	18.20
G172DCA	MW-172	05/31/2001	PROFILE	92.00	92.00	28.20	28.20
G172DCD	MW-172	05/31/2001	PROFILE	92.00	92.00	28.20	28.20
G172DDA	MW-172	05/31/2001	PROFILE	102.00	102.00	38.20	38.20
G172DEA	MW-172	05/31/2001	PROFILE	112.00	112.00	48.20	48.20
PA-1006401-402	90MW104A	05/01/2001	PROFILE	75.00	80.00	55.60	60.60
PA-1006403-404	90MW104A	05/01/2001	PROFILE	85.00	90.00	65.60	70.60
PA-1006501-502	90MW104A	05/01/2001	PROFILE	95.00	100.00	75.60	80.60
PA-1006503-504	90MW104A	05/01/2001	PROFILE	105.00	110.00	85.60	90.60
PA-1006601-602	90MW104A	05/01/2001	PROFILE	115.00	120.00	95.60	100.60
PA-1006603-604	90MW104A	05/01/2001	PROFILE	125.00	130.00	105.60	110.60
PA-1006701-702	90MW104A	05/01/2001	PROFILE	135.00	140.00	115.60	120.60
S1-R1A-051501-090	S1-R1A-051501-090	05/15/2001	SLURRY				
S10-R2A-051501-09	S10-R2A-051501-09	05/15/2001	SLURRY				
S100-R3A-051701-(	S100-R3A-051701-0	05/17/2001	SLURRY				
S101-R3B-051701-(	S101-R3B-051701-0	05/17/2001	SLURRY				
S102-R3B-051701-(	S102-R3B-051701-0	05/17/2001	SLURRY				
S11-R2A-051501-09	S11-R2A-051501-09	05/15/2001	SLURRY				
S12-R2A-051501-09	S12-R2A-051501-09	05/15/2001	SLURRY				
S13-R2A-051501-09	S13-R2A-051501-09	05/15/2001	SLURRY				
S14-R2B-051501-09	S14-R2B-051501-09	05/15/2001	SLURRY				
S15-R2B-051501-09	S15-R2B-051501-09	05/15/2001	SLURRY				
S16-R2B-051501-09	S16-R2B-051501-09	05/15/2001	SLURRY				
S17-R3A-051501-09	S17-R3A-051501-09	05/15/2001	SLURRY				
S18-R3A-051501-09	S18-R3A-051501-09	05/15/2001	SLURRY				
S19-R3A-051501-09	S19-R3A-051501-09	05/15/2001	SLURRY				
S2-R1A-051501-090	S2-R1A-051501-090	05/15/2001	SLURRY				
S20-R3B-051501-09	S20-R3B-051501-09	05/15/2001	SLURRY				
S21-R3B-051501-09	S21-R3B-051501-09	05/15/2001	SLURRY				
S22-R3B-051501-09	S22-R3B-051501-09	05/15/2001	SLURRY				
S27-R1A-051501-13	S27-R1A-051501-13	05/15/2001	SLURRY				
S28-R1A-051501-13	S28-R1A-051501-13	05/15/2001	SLURRY				

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TABLE 2
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5/1/2001-5/31/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
S29-R1B-051501-13	S29-R1B-051501-13	05/15/2001	SLURRY				
S3-R1A-051501-090	S3-R1A-051501-090	05/15/2001	SLURRY				
S30-R1B-051501-13	S30-R1B-051501-13	05/15/2001	SLURRY				
S31-R2A-051501-13	S31-R2A-051501-13	05/15/2001	SLURRY				
S32-R2A-051501-13	S32-R2A-051501-13	05/15/2001	SLURRY				
S33-R2B-051501-13	S33-R2B-051501-13	05/15/2001	SLURRY				
S34-R2B-051501-13	S34-R2B-051501-13	05/15/2001	SLURRY				
S35-R3A-051501-13	S35-R3A-051501-13	05/15/2001	SLURRY				
S36-R3A-051501-13	S36-R3A-051501-13	05/15/2001	SLURRY				
S37-R3B-051501-13	S37-R3B-051501-13	05/15/2001	SLURRY				
S38-R3B-051501-13	S38-R3B-051501-13	05/15/2001	SLURRY				
S39-R1A-051501-17	S39-R1A-051501-17	05/15/2001	SLURRY				
S4-R1A-051501-090	S4-R1A-051501-090	05/15/2001	SLURRY				
S40-R1A-051501-17	S40-R1A-051501-17	05/15/2001	SLURRY				
S41-R1B-051501-17	S41-R1B-051501-17	05/15/2001	SLURRY				
S42-R1B-051501-17	S42-R1B-051501-17	05/15/2001	SLURRY				
S43-R2A-051501-17	S43-R2A-051501-17	05/15/2001	SLURRY				
S44-R2A-051501-17	S44-R2A-051501-17	05/15/2001	SLURRY				
S45-R2A-051501-17	S45-R2A-051501-17	05/15/2001	SLURRY				
S46-R2A-051501-17	S46-R2A-051501-17	05/15/2001	SLURRY				
S47-R2B-051501-17	S47-R2B-051501-17	05/15/2001	SLURRY				
S48-R2B-051501-17	S48-R2B-051501-17	05/15/2001	SLURRY				
S49-R3A-051501-17	S49-R3A-051501-17	05/15/2001	SLURRY				
S5-R1A-051501-090	S5-R1A-051501-090	05/15/2001	SLURRY				
S50-R3A-051501-17	S50-R3A-051501-17	05/15/2001	SLURRY				
S51-R3B-051501-17	S51-R3B-051501-17	05/15/2001	SLURRY				
S52-R3B-051501-17	S52-R3B-051501-17	05/15/2001	SLURRY				
S55-R1A-051601-09	S55-R1A-051601-09	05/16/2001	SLURRY				
S56-R1A-051601-09	S56-R1A-051601-09	05/16/2001	SLURRY				
S57-R1A-051601-09	S57-R1A-051601-09	05/16/2001	SLURRY				
S58-R1B-051601-09	S58-R1B-051601-09	05/16/2001	SLURRY				
S59-R1B-051601-09	S59-R1B-051601-09	05/16/2001	SLURRY				
S6-R1B-051501-090	S6-R1B-051501-090	05/15/2001	SLURRY				
S60-R1B-051601-09	S60-R1B-051601-09	05/16/2001	SLURRY				
S63-R2A-051601-09	S63-R2A-051601-09	05/16/2001	SLURRY				
S64-R2A-051601-09	S64-R2A-051601-09	05/16/2001	SLURRY				
S65-R2A-051601-09	S65-R2A-051601-09	05/16/2001	SLURRY				
S66-R2B-051601-09	S66-R2B-051601-09	05/16/2001	SLURRY				
S67-R2B-051601-09	S67-R2B-051601-09	05/16/2001	SLURRY				
S7-R1B-051501-090	S7-R1B-051501-090	05/15/2001	SLURRY				
S70-R2B-051601-09	S70-R2B-051601-09	05/16/2001	SLURRY				
S71-R3A-051601-09	S71-R3A-051601-09	05/16/2001	SLURRY				
S72-R3A-051601-09	S72-R3A-051601-09	05/16/2001	SLURRY				
S73-R3A-051601-09	S73-R3A-051601-09	05/16/2001	SLURRY				
S74-R3B-051601-09	S74-R3B-051601-09	05/16/2001	SLURRY				
S75-R3B-051601-09	S75-R3B-051601-09	05/16/2001	SLURRY				
S76-R3B-051601-09	S76-R3B-051601-09	05/16/2001	SLURRY				
S8-R1B-051501-090	S8-R1B-051501-090	05/15/2001	SLURRY				
S9-R2A-051501-090	S9-R2A-051501-090	05/15/2001	SLURRY				

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SAMPLING PROGRESS
5/1/2001-5/31/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
S91-R1A-051701-09	S91-R1A-051701-09	05/17/2001	SLURRY				
S92-R1A-051701-09	S92-R1A-051701-09	05/17/2001	SLURRY				
S93-R1B-051701-09	S93-R1B-051701-09	05/17/2001	SLURRY				
S94-R1B-051701-09	S94-R1B-051701-09	05/17/2001	SLURRY				
S95-R2A-051701-09	S95-R2A-051701-09	05/17/2001	SLURRY				
S96-R2A-051701-09	S96-R2A-051701-09	05/17/2001	SLURRY				
S97-R2B-051701-09	S97-R2B-051701-09	05/17/2001	SLURRY				
S98-R2B-051701-09	S98-R2B-051701-09	05/17/2001	SLURRY				
S99-R3A-051701-09	S99-R3A-051701-09	05/17/2001	SLURRY				
5.C.1.00754.1.0	C.1.00754.O	05/23/2001	SOIL BRUSHING	0.50	0.75		
5.C.1.00755.1.0	C.1.00755.O	05/23/2001	SOIL BRUSHING	0.50	0.75		
5.C.1.00756.1.0	C.1.00756.O	05/23/2001	SOIL BRUSHING	0.00	0.25		
5.C.1.00768.1.0	C.1.00768.O	05/24/2001	SOIL BRUSHING	0.25	0.50		
5.C.1.00769.1.0	C.1.00769.O	05/24/2001	SOIL BRUSHING	0.50	0.75		
5.C.1.00770.1.0	C.1.00770.O	05/24/2001	SOIL BRUSHING	0.25	0.50		
5.D.1.00771.1.0	D.1.00771.O	05/24/2001	SOIL BRUSHING	0.00	0.25		
5.D.1.00773.1.0	D.1.00773.O	05/24/2001	SOIL BRUSHING	0.25	0.50		
3.D.1.00794.1.0	D.1.00794.O	05/25/2001	SOIL BRUSHING	1.00	1.25		
3.D.1.00795.1.0	D.1.00795.O	05/25/2001	SOIL BRUSHING	0.25	0.50		
3.D.1.00802.1.0	D.1.00802.O	05/25/2001	SOIL BRUSHING	0.75	1.00		
3.D.1.00806.1.0	D.1.00806.O	05/25/2001	SOIL BRUSHING	0.50	0.75		
5.D.1.00758.1.0	D.1.00758.O	05/23/2001	SOIL BRUSHING	0.25	0.50		
5.C.1.00759.1.0	C.1.00759.O	05/23/2001	SOIL BRUSHING	0.50	0.75		
3.D.1.00792.1.0	D.1.00792.O	05/22/2001	SOIL BRUSHING	1.00	1.25		
5.C.1.00760.1.0	C.1.00760.O	05/23/2001	SOIL BRUSHING	0.50	0.75		
5.C.1.00761.1.0	C.1.00761.O	05/24/2001	SOIL BRUSHING	0.75	1.00		
5.C.1.00762.1.0	C.1.00762.O	05/23/2001	SOIL BRUSHING	0.50	0.75		
5.C.1.00763.1.0	C.1.00763.O	05/23/2001	SOIL BRUSHING	0.25	0.50		
5.C.1.00764.1.0	C.1.00764.O	05/24/2001	SOIL BRUSHING	1.00	1.25		
5.D.1.00765.1.0	D.1.00765.O	05/24/2001	SOIL BRUSHING	0.25	0.50		
5.C.1.00766.1.0	C.1.00766.O	05/24/2001	SOIL BRUSHING	0.25	0.50		
5.D.1.00767.1.0	D.1.00767.O	05/24/2001	SOIL BRUSHING	0.50	0.75		
3.D.1.00785.1.0	D.1.00785.O	05/18/2001	SOIL BRUSHING	1.50	1.75		
5.B.1.00750.1.0	B.1.00750.O	05/16/2001	SOIL BRUSHING	1.25	1.50		
5.C.1.00746.1.0	C.1.00746.O	05/17/2001	SOIL BRUSHING	0.25	0.50		
5.C.1.00748.1.0	C.1.00748.O	05/17/2001	SOIL BRUSHING	0.50	1.00		
5.C.1.00751.1.0	C.1.00751.O	05/17/2001	SOIL BRUSHING	0.25	0.50		
5.C.1.00752.1.0	C.1.00752.O	05/17/2001	SOIL BRUSHING	0.00	0.25		
5.C.1.00753.1.0	C.1.00753.O	05/16/2001	SOIL BRUSHING	0.00	0.25		
5.D.1.00747.1.0	D.1.00747.O	05/17/2001	SOIL BRUSHING	0.25	0.50		
6.D.1.00742.1.0	D.1.00742.O	05/16/2001	SOIL BRUSHING	2.00	2.25		
6.D.1.00745.1.0	D.1.00745.O	05/16/2001	SOIL BRUSHING	1.75	2.00		
6.D.1.00774.1.0	D.1.00774.O	05/16/2001	SOIL BRUSHING	0.50	0.75		
3.D.1.00810.1.0	D.1.00810.O	05/30/2001	SOIL BRUSHING	0.75	1.00		
3.D.1.00818.1.0	D.1.00818.O	05/30/2001	SOIL BRUSHING	0.25	0.50		
3.D.1.00820.1.0	D.1.00820.O	05/30/2001	SOIL BRUSHING	1.00	1.25		
3.D.1.00825.1.0	D.1.00825.O	05/30/2001	SOIL BRUSHING	0.75	1.00		
3.D.1.00829.1.0	D.1.00829.O	05/30/2001	SOIL BRUSHING	1.75	2.00		
HC44C1CAA	44C	05/15/2001	SOIL GRID	1.50	2.00		

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SAMPLING PROGRESS
5/1/2001-5/31/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC05FAA3AAA	05FAA	05/25/2001	SOIL GRID	0.00	0.25		
HC102IC1AAA	102IC	05/09/2001	SOIL GRID	0.00	0.25		
HC102IC1BAA	102IC	05/09/2001	SOIL GRID	0.25	0.50		
HC102IC1CAA	102IC	05/09/2001	SOIL GRID	0.50	1.00		
HC102IC1CAD	102IC	05/09/2001	SOIL GRID	0.50	1.00		
HC102LC1AAA	102LC	05/04/2001	SOIL GRID	0.00	0.25		
HC102LC1BAA	102LC	05/04/2001	SOIL GRID	0.25	0.50		
HC102LC1CAA	102LC	05/04/2001	SOIL GRID	0.50	1.00		
HC141D1AAA	141D	05/01/2001	SOIL GRID	0.00	0.25		
HC141D1BAA	141D	05/01/2001	SOIL GRID	0.25	0.50		
HC141D1CAA	141D	05/01/2001	SOIL GRID	0.50	1.00		
HC144A1AAA	144A	05/11/2001	SOIL GRID	0.00	0.25		
HC144A1BAA	144A	05/11/2001	SOIL GRID	0.25	0.50		
HC144A1CAA	144A	05/11/2001	SOIL GRID	0.50	1.00		
HC144A1CAD	144A	05/11/2001	SOIL GRID	0.50	1.00		
HC144B1AAA	144B	05/11/2001	SOIL GRID	0.00	0.25		
HC144B1BAA	144B	05/11/2001	SOIL GRID	0.25	0.50		
HC144B1CAA	144B	05/11/2001	SOIL GRID	0.50	1.00		
HC144C1AAA	144C	05/11/2001	SOIL GRID	0.00	0.25		
HC144C1BAA	144C	05/11/2001	SOIL GRID	0.25	0.50		
HC144C1CAA	144C	05/11/2001	SOIL GRID	0.50	1.00		
HC144C1CAD	144C	05/11/2001	SOIL GRID	0.50	1.00		
HC144D1AAA	144D	05/11/2001	SOIL GRID	0.00	0.25		
HC144D1BAA	144D	05/11/2001	SOIL GRID	0.25	0.50		
HC144D1CAA	144D	05/11/2001	SOIL GRID	0.50	1.00		
HD102BA1AAA	102BA	05/02/2001	SOIL GRID	0.00	0.25		
HD102BA1BAA	102BA	05/02/2001	SOIL GRID	0.25	0.50		
HD102BA1CAA	102BA	05/02/2001	SOIL GRID	0.50	1.00		
HD102BA2AAA	102BA	05/02/2001	SOIL GRID	0.00	0.25		
HD102BA2BAA	102BA	05/02/2001	SOIL GRID	0.25	0.50		
HD102BA2CAA	102BA	05/02/2001	SOIL GRID	0.50	1.00		
HD102BA3AAA	102BA	05/02/2001	SOIL GRID	0.00	0.25		
HD102BA3BAA	102BA	05/02/2001	SOIL GRID	0.25	0.50		
HD102BA3CAA	102BA	05/02/2001	SOIL GRID	0.50	1.00		
HD102BA4AAA	102BA	05/02/2001	SOIL GRID	0.00	0.25		
HD102BA4BAA	102BA	05/02/2001	SOIL GRID	0.25	0.50		
HD102BA4CAA	102BA	05/02/2001	SOIL GRID	0.50	1.00		
HD102BA5AAA	102BA	05/02/2001	SOIL GRID	0.00	0.25		
HD102BA5BAA	102BA	05/02/2001	SOIL GRID	0.25	0.50		
HD102BA5BAD	102BA	05/02/2001	SOIL GRID	0.25	0.50		
HD102BA5CAA	102BA	05/02/2001	SOIL GRID	0.50	1.00		
HD102C1AAA	102C	05/07/2001	SOIL GRID	0.00	0.50		
HD102C2AAA	102C	05/07/2001	SOIL GRID	0.00	0.50		
HD102FA1AAA	102FA	05/07/2001	SOIL GRID	0.00	0.25		
HD102FA1BAA	102FA	05/07/2001	SOIL GRID	0.25	0.50		
HD102FA1CAA	102FA	05/07/2001	SOIL GRID	0.50	1.00		
HD102FA2AAA	102FA	05/07/2001	SOIL GRID	0.00	0.25		
HD102FA2BAA	102FA	05/07/2001	SOIL GRID	0.25	0.50		
HD102FA2CAA	102FA	05/07/2001	SOIL GRID	0.50	1.00		

Profiling methods include: Volatiles and Explosives
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TABLE 2
SAMPLING PROGRESS
5/1/2001-5/31/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD102FA3AAA	102FA	05/07/2001	SOIL GRID	0.00	0.25		
HD102FA3BAA	102FA	05/07/2001	SOIL GRID	0.25	0.50		
HD102FA3CAA	102FA	05/07/2001	SOIL GRID	0.50	1.00		
HD102FA4AAA	102FA	05/07/2001	SOIL GRID	0.00	0.25		
HD102FA4BAA	102FA	05/07/2001	SOIL GRID	0.25	0.50		
HD102FA4CAA	102FA	05/07/2001	SOIL GRID	0.50	1.00		
HD102FA5AAA	102FA	05/07/2001	SOIL GRID	0.00	0.25		
HD102FA5BAA	102FA	05/07/2001	SOIL GRID	0.25	0.50		
HD102FA5BAD	102FA	05/07/2001	SOIL GRID	0.25	0.50		
HD102FA5CAA	102FA	05/07/2001	SOIL GRID	0.50	1.00		
HD102FB1AAA	102FB	05/08/2001	SOIL GRID	0.00	0.25		
HD102FB1BAA	102FB	05/08/2001	SOIL GRID	0.25	0.50		
HD102FB1CAA	102FB	05/08/2001	SOIL GRID	0.50	1.00		
HD102FB2AAA	102FB	05/08/2001	SOIL GRID	0.00	0.25		
HD102FB2BAA	102FB	05/08/2001	SOIL GRID	0.25	0.50		
HD102FB2CAA	102FB	05/08/2001	SOIL GRID	0.50	1.00		
HD102FB3AAA	102FB	05/08/2001	SOIL GRID	0.00	0.25		
HD102FB3BAA	102FB	05/08/2001	SOIL GRID	0.25	0.50		
HD102FB3CAA	102FB	05/08/2001	SOIL GRID	0.50	1.00		
HD102FB4AAA	102FB	05/08/2001	SOIL GRID	0.00	0.25		
HD102FB4BAA	102FB	05/08/2001	SOIL GRID	0.25	0.50		
HD102FB4CAA	102FB	05/08/2001	SOIL GRID	0.50	1.00		
HD102FB5AAA	102FB	05/08/2001	SOIL GRID	0.00	0.25		
HD102FB5BAA	102FB	05/08/2001	SOIL GRID	0.25	0.50		
HD102FB5BAD	102FB	05/08/2001	SOIL GRID	0.25	0.50		
HD102FB5CAA	102FB	05/08/2001	SOIL GRID	0.50	1.00		
HD102FC1AAA	102FC	05/08/2001	SOIL GRID	0.00	0.25		
HD102FC1BAA	102FC	05/08/2001	SOIL GRID	0.25	0.50		
HD102FC1CAA	102FC	05/08/2001	SOIL GRID	0.50	1.00		
HD102FC2AAA	102FC	05/08/2001	SOIL GRID	0.00	0.25		
HD102FC2BAA	102FC	05/08/2001	SOIL GRID	0.25	0.50		
HD102FC2CAA	102FC	05/08/2001	SOIL GRID	0.50	1.00		
HD102FC3AAA	102FC	05/08/2001	SOIL GRID	0.00	0.25		
HD102FC3BAA	102FC	05/08/2001	SOIL GRID	0.25	0.50		
HD102FC3CAA	102FC	05/08/2001	SOIL GRID	0.50	1.00		
HD102FC4AAA	102FC	05/08/2001	SOIL GRID	0.00	0.25		
HD102FC4BAA	102FC	05/08/2001	SOIL GRID	0.25	0.50		
HD102FC4CAA	102FC	05/08/2001	SOIL GRID	0.50	1.00		
HD102FC5AAA	102FC	05/08/2001	SOIL GRID	0.00	0.25		
HD102FC5BAA	102FC	05/08/2001	SOIL GRID	0.25	0.50		
HD102FC5BAD	102FC	05/08/2001	SOIL GRID	0.25	0.50		
HD102FC5CAA	102FC	05/08/2001	SOIL GRID	0.50	1.00		
HD102GA1AAA	102GA	05/01/2001	SOIL GRID	0.00	0.25		
HD102GA1BAA	102GA	05/01/2001	SOIL GRID	0.25	0.50		
HD102GA1CAA	102GA	05/01/2001	SOIL GRID	0.50	1.00		
HD102GA2AAA	102GA	05/01/2001	SOIL GRID	0.00	0.25		
HD102GA2BAA	102GA	05/01/2001	SOIL GRID	0.25	0.50		
HD102GA2CAA	102GA	05/01/2001	SOIL GRID	0.50	1.00		
HD102GA3AAA	102GA	05/01/2001	SOIL GRID	0.00	0.25		

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TABLE 2
SAMPLING PROGRESS
5/1/2001-5/31/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD102GA3BAA	102GA	05/01/2001	SOIL GRID	0.25	0.50		
HD102GA3CAA	102GA	05/01/2001	SOIL GRID	0.50	1.00		
HD102GA4AAA	102GA	05/01/2001	SOIL GRID	0.00	0.25		
HD102GA4BAA	102GA	05/01/2001	SOIL GRID	0.25	0.50		
HD102GA4CAA	102GA	05/01/2001	SOIL GRID	0.50	1.00		
HD102GA5AAA	102GA	05/01/2001	SOIL GRID	0.00	0.25		
HD102GA5BAA	102GA	05/01/2001	SOIL GRID	0.25	0.50		
HD102GA5CAA	102GA	05/01/2001	SOIL GRID	0.50	1.00		
HD102GA5CAD	102GA	05/01/2001	SOIL GRID	0.50	1.00		
HD102S1AAA	102S	05/07/2001	SOIL GRID	0.00	0.25		
HD102W1AAA	102W1	05/18/2001	SOIL GRID	0.00	0.50		
HD102W2AAA	102W2	05/18/2001	SOIL GRID	0.00	0.50		
HD102XA1AAA	102XA	05/03/2001	SOIL GRID	0.00	0.25		
HD102XA1BAA	102XA	05/03/2001	SOIL GRID	0.25	0.50		
HD102XA1CAA	102XA	05/03/2001	SOIL GRID	0.50	1.00		
HD102XA2AAA	102XA	05/03/2001	SOIL GRID	0.00	0.25		
HD102XA2BAA	102XA	05/03/2001	SOIL GRID	0.25	0.50		
HD102XA2CAA	102XA	05/03/2001	SOIL GRID	0.50	1.00		
HD102XA3AAA	102XA	05/03/2001	SOIL GRID	0.00	0.25		
HD102XA3BAA	102XA	05/03/2001	SOIL GRID	0.25	0.50		
HD102XA3CAA	102XA	05/03/2001	SOIL GRID	0.50	1.00		
HD102XA4AAA	102XA	05/03/2001	SOIL GRID	0.00	0.25		
HD102XA4BAA	102XA	05/03/2001	SOIL GRID	0.25	0.50		
HD102XA4CAA	102XA	05/03/2001	SOIL GRID	0.50	1.00		
HD102XA5AAA	102XA	05/03/2001	SOIL GRID	0.00	0.25		
HD102XA5BAA	102XA	05/03/2001	SOIL GRID	0.25	0.50		
HD102XA5BAD	102XA	05/03/2001	SOIL GRID	0.25	0.50		
HD102XA5CAA	102XA	05/03/2001	SOIL GRID	0.50	1.00		
HD102XB1AAA	102XB	05/03/2001	SOIL GRID	0.00	0.25		
HD102XB1BAA	102XB	05/04/2001	SOIL GRID	0.25	0.50		
HD102XB1CAA	102XB	05/04/2001	SOIL GRID	0.50	1.00		
HD102XB2AAA	102XB	05/03/2001	SOIL GRID	0.00	0.25		
HD102XB2BAA	102XB	05/04/2001	SOIL GRID	0.25	0.50		
HD102XB2CAA	102XB	05/04/2001	SOIL GRID	0.50	1.00		
HD102XB3AAA	102XB	05/03/2001	SOIL GRID	0.00	0.25		
HD102XB3BAA	102XB	05/04/2001	SOIL GRID	0.25	0.50		
HD102XB3CAA	102XB	05/04/2001	SOIL GRID	0.50	1.00		
HD102XB4AAA	102XB	05/03/2001	SOIL GRID	0.00	0.25		
HD102XB4BAA	102XB	05/04/2001	SOIL GRID	0.25	0.50		
HD102XB4CAA	102XB	05/04/2001	SOIL GRID	0.50	1.00		
HD102XB5AAA	102XB	05/03/2001	SOIL GRID	0.00	0.25		
HD102XB5BAA	102XB	05/04/2001	SOIL GRID	0.25	0.50		
HD102XB5BAD	102XB	05/04/2001	SOIL GRID	0.25	0.50		
HD102XB5CAA	102XB	05/04/2001	SOIL GRID	0.25	1.00		
HD102XB5CAA	102XB	05/04/2001	SOIL GRID	0.50	1.00		
HD102XB5CAD	102XB	05/04/2001	SOIL GRID	0.25	1.00		
HD102XB5CAD	102XB	05/04/2001	SOIL GRID	0.50	1.00		
HD136A1AAA	136A	05/25/2001	SOIL GRID	0.00	0.50		
HD136A1BAA	136A	05/25/2001	SOIL GRID	1.50	2.00		

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TABLE 2
SAMPLING PROGRESS
5/1/2001-5/31/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD136B1AAA	136B	05/25/2001	SOIL GRID	0.00	0.50		
HD136B1BAA	136B	05/25/2001	SOIL GRID	1.50	2.00		
HD136B1BAD	136B	05/25/2001	SOIL GRID	1.50	2.00		
HD141D1AAA	141D	05/01/2001	SOIL GRID	0.00	0.25		
HD141D1BAA	141D	05/01/2001	SOIL GRID	0.25	0.50		
HD141D1CAA	141D	05/01/2001	SOIL GRID	0.50	1.00		
HD144A1AAA	144A	05/11/2001	SOIL GRID	0.00	0.25		
HD144A1BAA	144A	05/11/2001	SOIL GRID	0.25	0.50		
HD144A1CAA	144A	05/11/2001	SOIL GRID	0.50	1.00		
HD144B1AAA	144B	05/11/2001	SOIL GRID	0.00	0.25		
HD144B1BAA	144B	05/11/2001	SOIL GRID	0.25	0.50		
HD144B1CAA	144B	05/11/2001	SOIL GRID	0.50	1.00		
HD144C1AAA	144C	05/11/2001	SOIL GRID	0.00	0.25		
HD144C1BAA	144C	05/11/2001	SOIL GRID	0.25	0.50		
HD144C1CAA	144C	05/11/2001	SOIL GRID	0.50	1.00		
HD144D1AAA	144D	05/11/2001	SOIL GRID	0.00	0.25		
HD144D1BAA	144D	05/11/2001	SOIL GRID	0.25	0.50		
HD144D1CAA	144D	05/11/2001	SOIL GRID	0.50	1.00		
6.F.0.00014.2.0	Test Plot 6 Lift 2 Grid	05/11/2001	SOIL GRID	3.00	6.00		
4.F.0.00001.4.0	Test Plot 4 Lift 4 Grid	05/08/2001	SOIL GRID	9.00	12.00		
4.F.0.00002.4.0	Test Plot 4 Lift 4 Grid	05/08/2001	SOIL GRID	9.00	12.00		
4.F.0.00003.4.0	Test Plot 4 Lift 4 Grid	05/08/2001	SOIL GRID	9.00	12.00		
4.F.0.00004.4.0	Test Plot 4 Lift 4 Grid	05/08/2001	SOIL GRID	9.00	12.00		
4.F.0.00005.4.0	Test Plot 4 Lift 4 Grid	05/08/2001	SOIL GRID	9.00	12.00		
4.F.0.00006.4.0	Test Plot 4 Lift 4 Grid	05/08/2001	SOIL GRID	9.00	12.00		
4.F.0.00007.4.0	Test Plot 4 Lift 4 Grid	05/08/2001	SOIL GRID	9.00	12.00		
4.F.0.00008.4.0	Test Plot 4 Lift 4 Grid	05/08/2001	SOIL GRID	9.00	12.00		
4.F.0.00009.4.0	Test Plot 4 Lift 4 Grid	05/08/2001	SOIL GRID	9.00	12.00		
4.F.0.00010.4.0	Test Plot 4 Lift 4 Grid	05/08/2001	SOIL GRID	9.00	12.00		
6.F.0.00001.2.0	Test Plot 6 Lift 2 Grid	05/11/2001	SOIL GRID	3.00	6.00		
6.F.0.00002.2.0	Test Plot 6 Lift 2 Grid	05/11/2001	SOIL GRID	3.00	6.00		
6.F.0.00003.2.0	Test Plot 6 Lift 2 Grid	05/11/2001	SOIL GRID	3.00	6.00		
6.F.0.00004.2.0	Test Plot 6 Lift 2 Grid	05/11/2001	SOIL GRID	3.00	6.00		
6.F.0.00005.2.0	Test Plot 6 Lift 2 Grid	05/11/2001	SOIL GRID	3.00	6.00		
6.F.0.00006.2.0	Test Plot 6 Lift 2 Grid	05/11/2001	SOIL GRID	3.00	6.00		
6.F.0.00007.2.0	Test Plot 6 Lift 2 Grid	05/11/2001	SOIL GRID	3.00	6.00		
6.F.0.00008.2.0	Test Plot 6 Lift 2 Grid	05/11/2001	SOIL GRID	3.00	6.00		
6.F.0.00009.2.0	Test Plot 6 Lift 2 Grid	05/11/2001	SOIL GRID	3.00	6.00		
6.F.0.00010.2.0	Test Plot 6 Lift 2 Grid	05/11/2001	SOIL GRID	3.00	6.00		
6.F.0.00011.2.0	Test Plot 6 Lift 2 Grid	05/11/2001	SOIL GRID	3.00	6.00		
6.F.0.00012.2.0	Test Plot 6 Lift 2 Grid	05/11/2001	SOIL GRID	3.00	6.00		
6.F.0.00013.2.0	Test Plot 6 Lift 2 Grid	05/11/2001	SOIL GRID	3.00	6.00		
6.F.0.00001.3.0	Test Plot 6 Lift 3 Grid	05/21/2001	SOIL GRID	6.00	9.00		
6.F.0.00001.4.0	Test Plot 6 Lift 4 Grid	05/25/2001	SOIL GRID	9.00	12.00		
6.F.0.00002.3.0	Test Plot 6 Lift 3 Grid	05/21/2001	SOIL GRID	6.00	9.00		
6.F.0.00002.4.0	Test Plot 6 Lift 4 Grid	05/25/2001	SOIL GRID	9.00	12.00		
6.F.0.00003.3.0	Test Plot 6 Lift 3 Grid	05/21/2001	SOIL GRID	6.00	9.00		
6.F.0.00003.4.0	Test Plot 6 Lift 4 Grid	05/25/2001	SOIL GRID	9.00	12.00		
6.F.0.00004.3.0	Test Plot 6 Lift 3 Grid	05/21/2001	SOIL GRID	6.00	9.00		

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TABLE 2
SAMPLING PROGRESS
5/1/2001-5/31/2001

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
6.F.0.00004.4.0	Test Plot 6 Lift 4 Grid	05/25/2001	SOIL GRID	9.00	12.00		
6.F.0.00005.3.0	Test Plot 6 Lift 3 Grid	05/21/2001	SOIL GRID	6.00	9.00		
6.F.0.00005.4.0	Test Plot 6 Lift 4 Grid	05/25/2001	SOIL GRID	9.00	12.00		
6.F.0.00006.3.0	Test Plot 6 Lift 3 Grid	05/21/2001	SOIL GRID	6.00	9.00		
6.F.0.00006.4.0	Test Plot 6 Lift 4 Grid	05/25/2001	SOIL GRID	9.00	12.00		
6.F.0.00007.3.0	Test Plot 6 Lift 3 Grid	05/21/2001	SOIL GRID	6.00	9.00		
6.F.0.00007.4.0	Test Plot 6 Lift 4 Grid	05/25/2001	SOIL GRID	9.00	12.00		
6.F.0.00008.3.0	Test Plot 6 Lift 3 Grid	05/21/2001	SOIL GRID	6.00	9.00		
6.F.0.00008.4.0	Test Plot 6 Lift 4 Grid	05/25/2001	SOIL GRID	9.00	12.00		
6.F.0.00009.3.0	Test Plot 6 Lift 3 Grid	05/21/2001	SOIL GRID	6.00	9.00		
6.F.0.00009.4.0	Test Plot 6 Lift 4 Grid	05/25/2001	SOIL GRID	9.00	12.00		
6.F.0.00010.3.0	Test Plot 6 Lift 3 Grid	05/21/2001	SOIL GRID	6.00	9.00		
6.F.0.00010.4.0	Test Plot 6 Lift 4 Grid	05/25/2001	SOIL GRID	9.00	12.00		
6.F.0.00011.3.0	Test Plot 6 Lift 3 Grid	05/21/2001	SOIL GRID	6.00	9.00		
6.F.0.00012.3.0	Test Plot 6 Lift 3 Grid	05/21/2001	SOIL GRID	6.00	9.00		
CMPGDNEWS	CMPGDNEWS	05/23/2001	SURFACE WATER	0.00	0.00		
SNKPNDBEACH	SNKPNDBEACH	05/23/2001	SURFACE WATER	0.00	0.00		

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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
1997 THROUGH MAY 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	110.00	120.00	1.00	X
MW-19	W19SSA	03/05/1998	8330N	2,4,6-TRINITROTOLUENE	10.00	J	UG/L	0.00	10.00	2.00	X
MW-19	W19S2A	07/20/1998	8330N	2,4,6-TRINITROTOLUENE	16.00		UG/L	0.00	10.00	2.00	X
MW-19	W19S2D	07/20/1998	8330N	2,4,6-TRINITROTOLUENE	16.00		UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	02/12/1999	8330N	2,4,6-TRINITROTOLUENE	7.20	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	09/10/1999	8330N	2,4,6-TRINITROTOLUENE	2.60	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	05/12/2000	8330N	2,4,6-TRINITROTOLUENE	3.70	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	05/23/2000	8330N	2,4,6-TRINITROTOLUENE	3.90	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	08/08/2000	8330N	2,4,6-TRINITROTOLUENE	2.00	J	UG/L	0.00	10.00	2.00	X
MW-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	0.00	10.00	2.00	X
MW-31	W31SSA	08/09/2000	8330N	2,4,6-TRINITROTOLUENE	3.90	J	UG/L	0.00	10.00	2.00	X
MW-31	W31SSA	12/08/2000	8330N	2,4,6-TRINITROTOLUENE	5.20	J	UG/L	0.00	10.00	2.00	X
MW-31	W31DDA	08/09/2000	8330N	2,4,6-TRINITROTOLUENE	3.90	J	UG/L	49.00	54.00	2.00	X
58MW0002	WC2XXA	02/26/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	19.00		UG/L	4.00	9.00	2.00	X
58MW0002	WC2XXA	01/14/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	20.00		UG/L	4.00	9.00	2.00	X
58MW0002	WC2XXA	10/08/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.80		UG/L	4.00	9.00	2.00	X
58MW0009E	WC9EXA	10/02/1997	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.70		UG/L	21.00	26.00	2.00	X
58MW0009E	WC9EXA	01/26/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	17.00		UG/L	21.00	26.00	2.00	X
58MW0009E	WC9EXA	09/28/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	18.00		UG/L	21.00	26.00	2.00	X
58MW0009E	WC9EXD	09/28/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	18.00		UG/L	21.00	26.00	2.00	X
90MW0022	WF22XA	01/26/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.80		UG/L	80.00	85.00	2.00	X
90MW0022	WF22XA	02/16/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.40		UG/L	80.00	85.00	2.00	X
90MW0022	WF22XA	09/30/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.20		UG/L	80.00	85.00	2.00	X
90WT0013	WF13XA	01/16/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.20	J	UG/L	2.00	12.00	2.00	X
MW-1	W01SSA	09/30/1997	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	0.00	10.00	2.00	X
MW-1	W01SSD	09/30/1997	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	02/22/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.80		UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	09/07/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	05/31/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.10	J	UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	07/31/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.80	J	UG/L	0.00	10.00	2.00	X
MW-1	W01SSA	11/18/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.20		UG/L	0.00	10.00	2.00	X
MW-1	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

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-1	W01MMA	09/29/1997	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.60		UG/L	40.00	45.00	2.00	X
MW-1	W01M2A	03/01/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20		UG/L	40.00	45.00	2.00	X
MW-1	W01M2A	05/10/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.90		UG/L	40.00	45.00	2.00	X
MW-1	W01M2A	07/31/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.40	J	UG/L	40.00	45.00	2.00	X
MW-1	W01M2A	11/18/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.10		UG/L	40.00	45.00	2.00	X
MW-1	W01M2D	11/18/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.00		UG/L	40.00	45.00	2.00	X
MW-100	W100M1A	01/27/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.90		UG/L	43.80	53.80	2.00	X
MW-100	W100M1A	06/06/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.30		UG/L	44.48	54.48	2.00	X
MW-100	W100M1D	06/06/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.30		UG/L	44.48	54.48	2.00	X
MW-100	W100M1A	10/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.90		UG/L	44.48	54.48	2.00	X
MW-101	W101M1A	06/06/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	25.38	35.38	2.00	X
MW-105	W105M1A	01/27/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.30		UG/L	74.65	84.65	2.00	X
MW-105	W105M1A	06/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.90		UG/L	75.08	85.08	2.00	X
MW-105	W105M1A	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.90		UG/L	75.08	85.08	2.00	X
MW-107	W107M2A	06/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.00		UG/L	3.11	13.11	2.00	X
MW-107	W107M2A	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.10		UG/L	3.11	13.11	2.00	X
MW-111	W111M3A	10/10/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20		UG/L	29.80	39.80	2.00	X
MW-113	W113M2A	09/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	9.20		UG/L	47.14	57.14	2.00	X
MW-113	W113M2A	01/15/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	11.00		UG/L	47.14	57.14	2.00	X
MW-114	W114M2A	10/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	140.00		UG/L	37.68	47.68	2.00	X
MW-114	W114M2D	10/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	140.00		UG/L	37.68	47.68	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	72.90	82.90	2.00	X
MW-147	W147M1A	02/23/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.70		UG/L	89.97	99.97	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	31.00	36.00	2.00	X

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-2	W02M2A	02/03/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.80		UG/L	31.00	36.00	2.00	X
MW-2	W02M2A	09/03/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.80		UG/L	31.00	36.00	2.00	X
MW-2	W02M2A	05/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.30	J	UG/L	31.00	36.00	2.00	X
MW-2	W02M2A	08/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	31.00	36.00	2.00	X
MW-2	W02M2A	11/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	31.00	36.00	2.00	X
MW-2	W02M1A	08/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	73.00	78.00	2.00	X
MW-23	W23M1A	11/07/1997	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.30	J	UG/L	99.00	109.00	2.00	X
MW-23	W23M1A	03/18/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.40		UG/L	99.00	109.00	2.00	X
MW-23	W23M1D	03/18/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.70		UG/L	99.00	109.00	2.00	X
MW-23	W23M1A	09/13/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.10		UG/L	99.00	109.00	2.00	X
MW-23	W23M1A	05/12/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.60	J	UG/L	99.00	109.00	2.00	X
MW-23	W23M1A	08/08/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.30		UG/L	99.00	109.00	2.00	X
MW-23	W23M1A	12/04/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.00		UG/L	99.00	109.00	2.00	X
MW-23	W23M1D	12/04/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.20		UG/L	99.00	109.00	2.00	X
MW-25	W25SSA	10/16/1997	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.00		UG/L	0.00	10.00	2.00	X
MW-25	W25SSA	03/17/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	0.00	10.00	2.00	X
MW-31	W31SSA	07/15/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	64.00		UG/L	0.00	10.00	2.00	X
MW-31	W31SSA	02/01/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	210.00		UG/L	0.00	10.00	2.00	X
MW-31	W31SSA	09/15/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	50.00		UG/L	0.00	10.00	2.00	X
MW-31	W31SSA	05/15/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	110.00		UG/L	0.00	10.00	2.00	X
MW-31	W31SSA	08/09/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	140.00		UG/L	0.00	10.00	2.00	X
MW-31	W31SSA	12/08/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	120.00		UG/L	0.00	10.00	2.00	X
MW-31	W31MMA	07/15/1998	8330N	HEXAHYDRO-1,3,5-TRINITRO	280.00		UG/L	29.00	39.00	2.00	X
MW-31	W31MMA	02/02/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	370.00		UG/L	29.00	39.00	2.00	X
MW-31	W31MMA	09/15/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	29.00	39.00	2.00	X
MW-31	W31M1A	05/15/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	19.00		UG/L	29.00	39.00	2.00	X
MW-31	W31M1A	08/09/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	14.00		UG/L	29.00	39.00	2.00	X
MW-31	W31DDA	08/09/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	150.00		UG/L	49.00	54.00	2.00	X
MW-34	W34M2A	02/19/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.20		UG/L	55.00	65.00	2.00	X
MW-34	W34M2A	05/18/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.70		UG/L	55.00	65.00	2.00	X
MW-34	W34M2A	08/10/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.10		UG/L	55.00	65.00	2.00	X
MW-34	W34M2A	11/17/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	55.00	65.00	2.00	X
MW-34	W34M1A	05/17/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20		UG/L	75.00	85.00	2.00	X
MW-34	W34M1A	08/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.00		UG/L	75.00	85.00	2.00	X
MW-34	W34M1A	11/17/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.50		UG/L	75.00	85.00	2.00	X

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1997 THROUGH MAY 2001

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MW-37	W37M2A	09/29/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.90		UG/L	28.00	38.00	2.00	X
MW-37	W37M2A	12/29/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.60		UG/L	28.00	38.00	2.00	X
MW-37	W37M2A	03/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.10		UG/L	28.00	38.00	2.00	X
MW-37	W37M2A	08/31/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.80	J	UG/L	28.00	38.00	2.00	X
MW-37	W37M2A	11/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	28.00	38.00	2.00	X
MW-37	W37M2D	11/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	28.00	38.00	2.00	X
MW-38	W38M3A	05/06/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	53.00	63.00	2.00	X
MW-38	W38M3A	08/18/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.60		UG/L	53.00	63.00	2.00	X
MW-38	W38M3A	11/10/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.00		UG/L	53.00	63.00	2.00	X
MW-38	W38M3A	05/16/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.90	J	UG/L	53.00	63.00	2.00	X
MW-38	W38M3A	08/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.60		UG/L	53.00	63.00	2.00	X
MW-38	W38M3A	11/20/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	53.00	63.00	2.00	X
MW-40	W40M1A	09/21/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.80		UG/L	15.50	25.50	2.00	X
MW-40	W40M1D	09/21/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.60		UG/L	15.50	25.50	2.00	X
MW-40	W40M1A	12/30/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.00	J	UG/L	15.50	25.50	2.00	X
MW-40	W40M1A	04/14/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.00	J	UG/L	15.50	25.50	2.00	X
MW-40	W40M1A	09/01/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40	J	UG/L	15.50	25.50	2.00	X
MW-40	W40M1A	11/27/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	15.50	25.50	2.00	X
MW-58	W58SSA	11/23/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.70	J	UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	02/15/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.00		UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	05/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.40	J	UG/L	0.00	10.00	2.00	X
MW-58	W58SSA	09/05/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.10		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	07/09/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	50.00	J	UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	09/16/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	63.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	11/02/1999	8330N	HEXAHYDRO-1,3,5-TRINITRO	57.00		UG/L	0.00	10.00	2.00	X
MW-73	W73SSA	06/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	44.00		UG/L	0.00	10.00	2.00	X
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	0.00	10.00	2.00	X
MW-76	W76SSA	05/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.50	J	UG/L	0.00	10.00	2.00	X
MW-76	W76SSA	08/01/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10		UG/L	0.00	10.00	2.00	X
MW-76	W76M2A	01/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	31.00		UG/L	35.00	45.00	2.00	X
MW-76	W76M2D	01/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	35.00	45.00	2.00	X
MW-76	W76M2A	05/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	37.00	J	UG/L	35.00	45.00	2.00	X

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-76	W76M2A	08/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	31.00		UG/L	35.00	45.00	2.00	X
MW-76	W76M2A	12/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	46.00		UG/L	35.00	45.00	2.00	X
MW-76	W76M1A	12/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.30		UG/L	55.00	65.00	2.00	X
MW-77	W77M2A	01/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	150.00		UG/L	35.00	45.00	2.00	X
MW-77	W77M2A	05/02/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	100.00	J	UG/L	35.00	45.00	2.00	X
MW-77	W77M2A	08/01/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	97.00	J	UG/L	35.00	45.00	2.00	X
MW-77	W77M2A	12/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	93.00		UG/L	35.00	45.00	2.00	X
MW-85	W85M1A	02/10/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	24.00		UG/L	17.70	27.70	2.00	X
MW-85	W85M1A	05/22/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	29.00		UG/L	18.39	28.39	2.00	X
MW-86	W86SSA	04/28/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50	J	UG/L	0.00	10.00	2.00	X
MW-87	W87M1A	04/28/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.50	J	UG/L	59.53	69.53	2.00	X
MW-87	W87M1A	09/14/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.00		UG/L	59.53	69.53	2.00	X
MW-87	W87M1A	01/10/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.60		UG/L	59.53	69.53	2.00	X
MW-88	W88M2A	05/24/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.00		UG/L	69.60	79.60	2.00	X
MW-88	W88M2A	09/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.70		UG/L	69.60	79.60	2.00	X
MW-88	W88M2A	01/10/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.80		UG/L	69.60	79.60	2.00	X
MW-89	W89M2A	05/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.30		UG/L	68.95	78.95	2.00	X
MW-89	W89M2A	09/21/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	8.30		UG/L	68.95	78.95	2.00	X
MW-89	W89M2A	01/11/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	7.50		UG/L	68.95	78.95	2.00	X
MW-90	W90SSA	05/19/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.40	J	UG/L	0.00	10.00	2.00	X
MW-90	W90M1A	10/11/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	24.87	34.87	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	01/20/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	12.00		UG/L	42.85	52.85	2.00	X
MW-91	W91M1A	05/22/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	18.00		UG/L	43.47	53.37	2.00	X
MW-91	W91M1A	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	11.00		UG/L	43.47	53.37	2.00	X
MW-91	W91M1D	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	11.00		UG/L	43.47	53.37	2.00	X
MW-93	W93SSA	01/20/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.10	J	UG/L	14.05	24.05	2.00	X
MW-93	W93M2A	05/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.20		UG/L	14.50	24.50	2.00	X
MW-93	W93SSA	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	4.20		UG/L	14.50	24.50	2.00	X
MW-93	W93M1A	01/22/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40	J	UG/L	54.20	64.20	2.00	X
MW-93	W93M1D	01/22/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.40		UG/L	54.20	64.20	2.00	X
MW-93	W93M1A	05/26/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20	J	UG/L	54.90	64.90	2.00	X
MW-93	W93M1A	11/07/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.50		UG/L	54.90	64.90	2.00	X

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-95	W95M1A	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.20		UG/L	74.99	84.99	2.00	X
MW-98	W98M1A	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	2.10		UG/L	25.06	35.06	2.00	X
MW-99	W99M1A	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.90		UG/L	55.00	65.00	2.00	X
MW-99	W99M1D	05/25/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	6.90		UG/L	55.00	65.00	2.00	X
MW-99	W99M1A	09/29/2000	8330N	HEXAHYDRO-1,3,5-TRINITRO	5.00		UG/L	55.00	65.00	2.00	X
MW-99	W99M1A	01/13/2001	8330N	HEXAHYDRO-1,3,5-TRINITRO	3.20		UG/L	55.00	65.00	2.00	X
ASPWELL	ASPWELL	07/20/1999	E200.8	LEAD	53.00		UG/L	0.00	0.00	15.00	X
MW-114	W114M2A	12/29/2000	E314.0	PERCHLORATE	300.00		MG/L	37.68	47.68	18.00	X
MW-13	W13DDL	12/15/2000	E314.0	PERCHLORATE	109.00		MG/L	140.00	145.00	18.00	X
MW-31	W31SSA	08/09/2000	E314.0	PERCHLORATE	40.00	J	MG/L	0.00	10.00	18.00	X
MW-31	W31SSA	12/08/2000	E314.0	PERCHLORATE	30.00		MG/L	0.00	10.00	18.00	X
MW-31	W31M1A	08/09/2000	E314.0	PERCHLORATE	50.00	J	MG/L	29.00	39.00	18.00	X
MW-34	W34M2A	08/10/2000	E314.0	PERCHLORATE	60.00	J	MG/L	55.00	65.00	18.00	X
MW-34	W34M2A	12/18/2000	E314.0	PERCHLORATE	34.00		MG/L	55.00	65.00	18.00	X
MW-77	W77M2A	12/06/2000	E314.0	PERCHLORATE	28.00		MG/L	35.00	45.00	18.00	X
MW-78	W78M2A	12/06/2000	E314.0	PERCHLORATE	19.00		MG/L	35.00	45.00	18.00	X
MW-1	W01SSA	09/07/1999	IM40MB	ANTIMONY	6.70	J	UG/L	0.00	10.00	6.00	X
MW-3	W03DDL	03/06/1998	IM40MB	ANTIMONY	13.80	J	UG/L	218.00	223.00	6.00	X
MW-34	W34M2A	08/16/1999	IM40MB	ANTIMONY	6.60	J	UG/L	55.00	65.00	6.00	X
MW-35	W35SSA	08/19/1999	IM40MB	ANTIMONY	6.90	J	UG/L	0.00	10.00	6.00	X
MW-35	W35SSD	08/19/1999	IM40MB	ANTIMONY	13.80	J	UG/L	0.00	10.00	6.00	X
MW-36	W36SSA	08/17/1999	IM40MB	ANTIMONY	6.70	J	UG/L	0.00	10.00	6.00	X
MW-38	W38SSA	08/18/1999	IM40MB	ANTIMONY	7.40		UG/L	0.00	10.00	6.00	X
MW-38	W38M3A	08/18/1999	IM40MB	ANTIMONY	6.60	J	UG/L	53.00	63.00	6.00	X
MW-38	W38DDA	08/17/1999	IM40MB	ANTIMONY	6.90	J	UG/L	125.00	135.00	6.00	X
MW-39	W39M1A	08/18/1999	IM40MB	ANTIMONY	7.50		UG/L	87.00	97.00	6.00	X
MW-50	W50M1A	05/15/2000	IM40MB	ANTIMONY	9.50		UG/L	90.00	100.00	6.00	X
PPAWSMW-3	PPAWSMW-3	08/12/1999	IM40MB	ANTIMONY	6.00	J	UG/L	0.00	10.00	6.00	X
MW-7	W07M1A	09/07/1999	IM40MB	ARSENIC	52.80		UG/L	67.00	72.00	50.00	X
MW-52	W52M3L	08/27/1999	IM40MB	CADMIUM	12.20		UG/L	26.00	36.00	5.00	X
MW-7	W07M1A	09/07/1999	IM40MB	CHROMIUM, TOTAL	114.00		UG/L	67.00	72.00	100.00	X
MW-2	W02SSA	02/23/1998	IM40MB	LEAD	20.10		UG/L	0.00	10.00	15.00	X
MW-7	W07M1A	09/07/1999	IM40MB	LEAD	40.20		UG/L	67.00	72.00	15.00	X
MW-7	W07M1D	09/07/1999	IM40MB	LEAD	18.30		UG/L	67.00	72.00	15.00	X
MW-13	W13SSA	01/27/1998	IM40MB	MOLYBDENUM	11.20		UG/L	0.00	10.00	10.00	X

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TABLE 3
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1997 THROUGH MAY 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-13	W13SSL	01/27/1998	IM40MB	MOLYBDENUM	10.40	J	UG/L	0.00	10.00	10.00	X
MW-13	W13DDA	01/26/1998	IM40MB	MOLYBDENUM	26.60		UG/L	140.00	145.00	10.00	X
MW-13	W13DDL	01/26/1998	IM40MB	MOLYBDENUM	30.40		UG/L	140.00	145.00	10.00	X
MW-13	W13DDA	03/11/1999	IM40MB	MOLYBDENUM	11.00		UG/L	140.00	145.00	10.00	X
MW-13	W13DDD	03/11/1999	IM40MB	MOLYBDENUM	12.10	J	UG/L	140.00	145.00	10.00	X
MW-13	W13DDA	09/09/1999	IM40MB	MOLYBDENUM	17.30		UG/L	140.00	145.00	10.00	X
MW-13	W13DDA	05/17/2000	IM40MB	MOLYBDENUM	17.00		UG/L	140.00	145.00	10.00	X
MW-13	W13DDD	05/17/2000	IM40MB	MOLYBDENUM	16.80		UG/L	140.00	145.00	10.00	X
MW-13	W13DDA	12/15/2000	IM40MB	MOLYBDENUM	11.70		UG/L	140.00	145.00	10.00	X
MW-16	W16SSA	03/10/1999	IM40MB	MOLYBDENUM	21.00	J	UG/L	0.00	10.00	10.00	X
MW-16	W16DDA	03/09/1999	IM40MB	MOLYBDENUM	22.20		UG/L	108.00	113.00	10.00	X
MW-16	W16DDD	03/09/1999	IM40MB	MOLYBDENUM	23.20		UG/L	108.00	113.00	10.00	X
MW-16	W16DDA	09/09/1999	IM40MB	MOLYBDENUM	18.00	J	UG/L	108.00	113.00	10.00	X
MW-16	W16DDA	05/17/2000	IM40MB	MOLYBDENUM	12.20		UG/L	108.00	113.00	10.00	X
MW-16	W16DDA	08/03/2000	IM40MB	MOLYBDENUM	12.40		UG/L	108.00	113.00	10.00	X
MW-16	W16DDA	11/16/2000	IM40MB	MOLYBDENUM	16.80		UG/L	108.00	113.00	10.00	X
MW-17	W17M1L	05/18/1999	IM40MB	MOLYBDENUM	12.60		UG/L	97.00	107.00	10.00	X
MW-2	W02SSA	02/23/1998	IM40MB	MOLYBDENUM	72.10		UG/L	0.00	10.00	10.00	X
MW-2	W02SSL	02/23/1998	IM40MB	MOLYBDENUM	63.30		UG/L	0.00	10.00	10.00	X
MW-2	W02SSA	02/01/1999	IM40MB	MOLYBDENUM	26.10	J	UG/L	0.00	10.00	10.00	X
MW-2	W02SSL	02/01/1999	IM40MB	MOLYBDENUM	34.00		UG/L	0.00	10.00	10.00	X
MW-2	W02SSA	09/02/1999	IM40MB	MOLYBDENUM	29.00		UG/L	0.00	10.00	10.00	X
MW-2	W02SSL	09/02/1999	IM40MB	MOLYBDENUM	27.10		UG/L	0.00	10.00	10.00	X
MW-2	W02DDA	02/02/1999	IM40MB	MOLYBDENUM	25.60		UG/L	287.00	295.00	10.00	X
MW-2	W02DDL	02/02/1999	IM40MB	MOLYBDENUM	26.30	J	UG/L	287.00	295.00	10.00	X
MW-2	W02DDA	09/03/1999	IM40MB	MOLYBDENUM	12.80		UG/L	287.00	295.00	10.00	X
MW-45	W45SSA	05/29/2000	IM40MB	MOLYBDENUM	10.40		UG/L	0.00	10.00	10.00	X
MW-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	55.00	65.00	10.00	X
MW-46	W46M2L	03/30/1999	IM40MB	MOLYBDENUM	51.00		UG/L	55.00	65.00	10.00	X
MW-46	W46M2A	08/24/1999	IM40MB	MOLYBDENUM	17.40		UG/L	55.00	65.00	10.00	X
MW-46	W46M1A	03/29/1999	IM40MB	MOLYBDENUM	32.80		UG/L	102.00	112.00	10.00	X
MW-46	W46DDA	04/01/1999	IM40MB	MOLYBDENUM	17.20		UG/L	135.00	145.00	10.00	X
MW-47	W47M3A	03/29/1999	IM40MB	MOLYBDENUM	43.10		UG/L	21.00	31.00	10.00	X
MW-47	W47M3L	03/29/1999	IM40MB	MOLYBDENUM	40.50		UG/L	21.00	31.00	10.00	X

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1997 THROUGH MAY 2001

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MW-47	W47M2A	03/26/1999	IM40MB	MOLYBDENUM	11.00		UG/L	38.00	48.00	10.00	X
MW-48	W48M1A	11/23/1999	IM40MB	MOLYBDENUM	17.90		UG/L	90.00	100.00	10.00	X
MW-5	W05DDA	02/13/1998	IM40MB	MOLYBDENUM	28.30		UG/L	220.00	225.00	10.00	X
MW-5	W05DDL	02/13/1998	IM40MB	MOLYBDENUM	26.60		UG/L	220.00	225.00	10.00	X
MW-50	W50M2A	04/26/1999	IM40MB	MOLYBDENUM	20.60		UG/L	59.00	69.00	10.00	X
MW-50	W50M1A	04/27/1999	IM40MB	MOLYBDENUM	11.80		UG/L	90.00	100.00	10.00	X
MW-52	W52M3A	04/07/1999	IM40MB	MOLYBDENUM	72.60		UG/L	26.00	36.00	10.00	X
MW-52	W52M3L	04/07/1999	IM40MB	MOLYBDENUM	67.60		UG/L	26.00	36.00	10.00	X
MW-52	W52M3A	08/27/1999	IM40MB	MOLYBDENUM	23.40		UG/L	26.00	36.00	10.00	X
MW-52	W52M3L	08/27/1999	IM40MB	MOLYBDENUM	23.10		UG/L	26.00	36.00	10.00	X
MW-52	W52M3L	11/08/1999	IM40MB	MOLYBDENUM	10.50		UG/L	26.00	36.00	10.00	X
MW-52	W52M2A	04/29/1999	IM40MB	MOLYBDENUM	15.30		UG/L	74.00	84.00	10.00	X
MW-52	W52M2L	04/29/1999	IM40MB	MOLYBDENUM	18.50		UG/L	74.00	84.00	10.00	X
MW-52	W52DDA	04/02/1999	IM40MB	MOLYBDENUM	51.10		UG/L	219.00	229.00	10.00	X
MW-52	W52DDL	04/02/1999	IM40MB	MOLYBDENUM	48.90		UG/L	219.00	229.00	10.00	X
MW-52	W52DDA	08/30/1999	IM40MB	MOLYBDENUM	28.30		UG/L	219.00	229.00	10.00	X
MW-52	W52DDL	08/30/1999	IM40MB	MOLYBDENUM	26.80		UG/L	219.00	229.00	10.00	X
MW-52	W52DDA	11/09/1999	IM40MB	MOLYBDENUM	22.70		UG/L	219.00	229.00	10.00	X
MW-52	W52DDA	05/22/2000	IM40MB	MOLYBDENUM	12.20		UG/L	219.00	229.00	10.00	X
MW-52	W52DDA	08/17/2000	IM40MB	MOLYBDENUM	10.10		UG/L	219.00	229.00	10.00	X
MW-53	W53SSA	02/17/1999	IM40MB	MOLYBDENUM	24.90		UG/L	0.00	10.00	10.00	X
MW-53	W53SSL	02/17/1999	IM40MB	MOLYBDENUM	27.60		UG/L	0.00	10.00	10.00	X
MW-53	W53M1A	05/03/1999	IM40MB	MOLYBDENUM	122.00		UG/L	100.00	110.00	10.00	X
MW-53	W53M1L	05/03/1999	IM40MB	MOLYBDENUM	132.00		UG/L	100.00	110.00	10.00	X
MW-53	W53M1A	08/30/1999	IM40MB	MOLYBDENUM	55.20		UG/L	100.00	110.00	10.00	X
MW-53	W53M1L	08/30/1999	IM40MB	MOLYBDENUM	54.10		UG/L	100.00	110.00	10.00	X
MW-53	W53M1A	11/05/1999	IM40MB	MOLYBDENUM	41.20		UG/L	100.00	110.00	10.00	X
MW-53	W53M1L	11/05/1999	IM40MB	MOLYBDENUM	38.20		UG/L	100.00	110.00	10.00	X
MW-53	W53M1A	06/01/2000	IM40MB	MOLYBDENUM	10.30	J	UG/L	100.00	110.00	10.00	X
MW-53	W53DDA	02/18/1999	IM40MB	MOLYBDENUM	15.90		UG/L	157.00	167.00	10.00	X
MW-53	W53DDL	02/18/1999	IM40MB	MOLYBDENUM	17.40		UG/L	157.00	167.00	10.00	X
MW-53	W53DDA	08/30/1999	IM40MB	MOLYBDENUM	11.50		UG/L	157.00	167.00	10.00	X
MW-54	W54SSA	04/30/1999	IM40MB	MOLYBDENUM	56.70		UG/L	0.00	10.00	10.00	X
MW-54	W54SSL	04/30/1999	IM40MB	MOLYBDENUM	66.20		UG/L	0.00	10.00	10.00	X
MW-54	W54SSA	08/27/1999	IM40MB	MOLYBDENUM	61.40		UG/L	0.00	10.00	10.00	X

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-54	W54SSA	11/08/1999	IM40MB	MOLYBDENUM	25.50		UG/L	0.00	10.00	10.00	X
MW-54	W54M2A	05/04/1999	IM40MB	MOLYBDENUM	11.20		UG/L	58.00	68.00	10.00	X
MW-54	W54M2L	05/04/1999	IM40MB	MOLYBDENUM	13.10		UG/L	58.00	68.00	10.00	X
MW-54	W54M2A	08/27/1999	IM40MB	MOLYBDENUM	43.70		UG/L	58.00	68.00	10.00	X
MW-54	W54M2L	08/27/1999	IM40MB	MOLYBDENUM	43.20		UG/L	58.00	68.00	10.00	X
MW-54	W54M2A	11/08/1999	IM40MB	MOLYBDENUM	14.50		UG/L	58.00	68.00	10.00	X
MW-54	W54M1A	04/30/1999	IM40MB	MOLYBDENUM	11.80		UG/L	80.00	90.00	10.00	X
MW-54	W54DDA	05/05/1999	IM40MB	MOLYBDENUM	17.50		UG/L	126.00	136.00	10.00	X
MW-55	W55SSA	05/17/1999	IM40MB	MOLYBDENUM	15.90		UG/L	0.00	10.00	10.00	X
MW-55	W55M2A	05/14/1999	IM40MB	MOLYBDENUM	21.80		UG/L	60.00	70.00	10.00	X
MW-55	W55M1A	05/13/1999	IM40MB	MOLYBDENUM	12.50		UG/L	90.00	100.00	10.00	X
MW-55	W55DDA	05/13/1999	IM40MB	MOLYBDENUM	22.60		UG/L	120.00	130.00	10.00	X
MW-55	W55DDA	08/30/1999	IM40MB	MOLYBDENUM	14.20		UG/L	120.00	130.00	10.00	X
MW-55	W55DDA	11/08/1999	IM40MB	MOLYBDENUM	11.00		UG/L	120.00	130.00	10.00	X
MW-57	W57SSA	12/21/1999	IM40MB	MOLYBDENUM	15.20		UG/L	0.00	10.00	10.00	X
MW-57	W57SSD	12/21/1999	IM40MB	MOLYBDENUM	16.30		UG/L	0.00	10.00	10.00	X
MW-57	W57SSA	03/22/2000	IM40MB	MOLYBDENUM	10.30	J	UG/L	0.00	10.00	10.00	X
MW-57	W57SSD	03/22/2000	IM40MB	MOLYBDENUM	10.10	J	UG/L	0.00	10.00	10.00	X
MW-57	W57M3A	12/13/1999	IM40MB	MOLYBDENUM	21.90		UG/L	30.00	40.00	10.00	X
MW-57	W57M2A	03/22/2000	IM40MB	MOLYBDENUM	10.80	J	UG/L	60.00	70.00	10.00	X
MW-57	W57DDA	12/13/1999	IM40MB	MOLYBDENUM	18.60		UG/L	125.00	135.00	10.00	X
MW-57	W57DDL	12/13/1999	IM40MB	MOLYBDENUM	17.80		UG/L	125.00	135.00	10.00	X
MW-63	W63SSA	09/21/1999	IM40MB	MOLYBDENUM	12.70		UG/L	0.00	10.00	10.00	X
MW-63	W63SSL	09/21/1999	IM40MB	MOLYBDENUM	11.10		UG/L	0.00	10.00	10.00	X
MW-7	W07M1A	09/07/1999	IM40MB	MOLYBDENUM	10.20		UG/L	67.00	72.00	10.00	X
MW-81	W81M1A	10/13/1999	IM40MB	MOLYBDENUM	24.30		UG/L	99.00	109.00	10.00	X
MW-81	W81M1L	10/13/1999	IM40MB	MOLYBDENUM	22.10		UG/L	99.00	109.00	10.00	X
MW-81	W81DDA	08/17/2000	IM40MB	MOLYBDENUM	10.10		UG/L	155.00	165.00	10.00	X
MW-82	W82DDA	10/13/1999	IM40MB	MOLYBDENUM	15.40		UG/L	96.00	106.00	10.00	X
MW-82	W82DDL	10/13/1999	IM40MB	MOLYBDENUM	14.40		UG/L	96.00	106.00	10.00	X
MW-83	W83DDA	10/12/1999	IM40MB	MOLYBDENUM	13.40		UG/L	105.00	115.00	10.00	X
15MW0002	15MW0002	04/08/1999	IM40MB	SODIUM	37,600.00		UG/L	0.00	10.00	20,000.00	X
90WT0010	90WT0010	06/05/2000	IM40MB	SODIUM	23,600.00		UG/L	2.00	12.00	20,000.00	X
90WT0010	90WT0010-L	06/05/2000	IM40MB	SODIUM	24,200.00		UG/L	2.00	12.00	20,000.00	X
90WT0015	90WT0015	04/23/1999	IM40MB	SODIUM	34,300.00		UG/L	0.00	10.00	20,000.00	X

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-145	W145SSA	02/12/2001	IM40MB	SODIUM	37,000.00		UG/L	0.00	10.00	20,000.00	X
MW-16	W16SSA	11/17/1997	IM40MB	SODIUM	20,900.00		UG/L	0.00	10.00	20,000.00	X
MW-16	W16SSL	11/17/1997	IM40MB	SODIUM	20,400.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02SSA	02/23/1998	IM40MB	SODIUM	27,200.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02SSL	02/23/1998	IM40MB	SODIUM	26,300.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02SSA	02/01/1999	IM40MB	SODIUM	20,300.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02SSL	02/01/1999	IM40MB	SODIUM	20,100.00		UG/L	0.00	10.00	20,000.00	X
MW-2	W02DDA	11/19/1997	IM40MB	SODIUM	21,500.00		UG/L	287.00	295.00	20,000.00	X
MW-2	W02DDL	11/19/1997	IM40MB	SODIUM	22,600.00		UG/L	287.00	295.00	20,000.00	X
MW-21	W21SSA	10/24/1997	IM40MB	SODIUM	24,000.00		UG/L	0.00	10.00	20,000.00	X
MW-21	W21SSL	10/24/1997	IM40MB	SODIUM	24,200.00		UG/L	0.00	10.00	20,000.00	X
MW-21	W21SSA	11/15/2000	IM40MB	SODIUM	22,500.00		UG/L	0.00	10.00	20,000.00	X
MW-46	W46SSA	08/25/1999	IM40MB	SODIUM	20,600.00		UG/L	0.00	10.00	20,000.00	X
MW-46	W46SSA	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	55.00	65.00	20,000.00	X
MW-46	W46M2L	03/30/1999	IM40MB	SODIUM	24,400.00		UG/L	55.00	65.00	20,000.00	X
MW-54	W54SSA	08/27/1999	IM40MB	SODIUM	33,300.00		UG/L	0.00	10.00	20,000.00	X
MW-57	W57M2A	12/21/1999	IM40MB	SODIUM	23,500.00		UG/L	60.00	70.00	20,000.00	X
MW-57	W57M2A	03/22/2000	IM40MB	SODIUM	24,500.00		UG/L	60.00	70.00	20,000.00	X
MW-57	W57M2A	06/30/2000	IM40MB	SODIUM	25,900.00		UG/L	60.00	70.00	20,000.00	X
MW-57	W57M2A	08/29/2000	IM40MB	SODIUM	23,200.00		UG/L	60.00	70.00	20,000.00	X
MW-57	W57M1A	12/14/1999	IM40MB	SODIUM	23,700.00		UG/L	100.00	110.00	20,000.00	X
MW-57	W57M1A	03/07/2000	IM40MB	SODIUM	20,900.00		UG/L	100.00	110.00	20,000.00	X
MW-57	W57M1A	07/05/2000	IM40MB	SODIUM	22,200.00		UG/L	100.00	110.00	20,000.00	X
MW-57	W57M1A	08/29/2000	IM40MB	SODIUM	20,100.00		UG/L	100.00	110.00	20,000.00	X
SDW261160	WG160L	01/07/1998	IM40MB	SODIUM	20,600.00		UG/L	0.00	0.00	20,000.00	X
SDW261160	WG160A	01/13/1999	IM40MB	SODIUM	27,200.00		UG/L	0.00	0.00	20,000.00	X
SDW261160	WG160L	01/13/1999	IM40MB	SODIUM	28,200.00		UG/L	0.00	0.00	20,000.00	X
03MW0006	03MW0006	04/15/1999	IM40MB	THALLIUM	2.60	J	UG/L	0.00	10.00	2.00	X
03MW0022A	03MW0022A	04/16/1999	IM40MB	THALLIUM	3.90		UG/L	71.00	76.00	2.00	X
03MW0027A	03MW0027A	04/14/1999	IM40MB	THALLIUM	2.00	J	UG/L	64.00	69.00	2.00	X
11MW0004	11MW0004	04/16/1999	IM40MB	THALLIUM	2.30	J	UG/L	0.00	10.00	2.00	X
27MW0020Z	27MW0020Z	04/16/1999	IM40MB	THALLIUM	2.70	J	UG/L	98.00	103.00	2.00	X

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
90MW0038	90MW0038	04/21/1999	IM40MB	THALLIUM	4.40	J	UG/L	29.00	34.00	2.00	X
90WT0010	WF10XA	01/16/1998	IM40MB	THALLIUM	6.50	J	UG/L	2.00	12.00	2.00	X
LRWS1-4	WL14XA	01/07/1999	IM40MB	THALLIUM	5.20	J	UG/L	107.00	117.00	2.00	X
MW-1	W01SSA	09/07/1999	IM40MB	THALLIUM	2.90	J	UG/L	0.00	10.00	2.00	X
MW-127	W127SSA	11/15/2000	IM40MB	THALLIUM	2.40	J	UG/L	0.00	10.00	2.00	X
MW-132	W132SSA	02/16/2001	IM40MB	THALLIUM	2.10	J	UG/L	0.00	10.00	2.00	X
MW-150	W150SSA	03/07/2001	IM40MB	THALLIUM	2.20	J	UG/L	0.00	10.00	2.00	X
MW-18	W18SSA	03/12/1999	IM40MB	THALLIUM	2.30	J	UG/L	0.00	10.00	2.00	X
MW-19	W19SSA	09/10/1999	IM40MB	THALLIUM	3.80	J	UG/L	0.00	10.00	2.00	X
MW-19	W19DDL	02/11/1999	IM40MB	THALLIUM	3.10	J	UG/L	251.00	256.00	2.00	X
MW-2	W02DDD	08/02/2000	IM40MB	THALLIUM	4.90	J	UG/L	287.00	295.00	2.00	X
MW-21	W21SSA	10/24/1997	IM40MB	THALLIUM	6.90	J	UG/L	0.00	10.00	2.00	X
MW-21	W21M2A	11/01/1999	IM40MB	THALLIUM	4.00	J	UG/L	58.00	68.00	2.00	X
MW-23	W23SSA	09/14/1999	IM40MB	THALLIUM	4.70	J	UG/L	0.00	10.00	2.00	X
MW-25	W25SSA	09/14/1999	IM40MB	THALLIUM	5.30	J	UG/L	0.00	10.00	2.00	X
MW-37	W37M2A	12/29/1999	IM40MB	THALLIUM	4.90	J	UG/L	28.00	38.00	2.00	X
MW-38	W38M4A	08/18/1999	IM40MB	THALLIUM	2.80	J	UG/L	15.00	25.00	2.00	X
MW-38	W38M2A	05/11/1999	IM40MB	THALLIUM	4.90	J	UG/L	70.00	80.00	2.00	X
MW-41	W41M2A	04/02/1999	IM40MB	THALLIUM	2.50	J	UG/L	69.00	79.00	2.00	X
MW-42	W42M2A	11/19/1999	IM40MB	THALLIUM	4.00	J	UG/L	119.00	129.00	2.00	X
MW-45	W45SSA	05/26/1999	IM40MB	THALLIUM	3.00	J	UG/L	0.00	10.00	2.00	X
MW-45	W45SSA	08/31/2000	IM40MB	THALLIUM	4.40	J	UG/L	0.00	10.00	2.00	X
MW-46	W46M1A	05/16/2000	IM40MB	THALLIUM	5.30	J	UG/L	102.00	112.00	2.00	X
MW-46	W46DDA	11/02/1999	IM40MB	THALLIUM	5.10	J	UG/L	135.00	145.00	2.00	X
MW-47	W47M3A	08/25/1999	IM40MB	THALLIUM	3.20	J	UG/L	21.00	31.00	2.00	X
MW-47	W47M3A	05/31/2000	IM40MB	THALLIUM	5.00	J	UG/L	21.00	31.00	2.00	X
MW-47	W47M2A	03/26/1999	IM40MB	THALLIUM	3.20	J	UG/L	38.00	48.00	2.00	X
MW-47	W47M2A	08/25/1999	IM40MB	THALLIUM	4.00	J	UG/L	38.00	48.00	2.00	X
MW-47	W47M2A	05/30/2000	IM40MB	THALLIUM	4.50	J	UG/L	38.00	48.00	2.00	X
MW-47	W47M1A	08/24/1999	IM40MB	THALLIUM	2.60	J	UG/L	75.00	85.00	2.00	X
MW-48	W48M3A	02/28/2000	IM40MB	THALLIUM	4.20	J	UG/L	29.73	39.73	2.00	X
MW-48	W48DAA	06/26/2000	IM40MB	THALLIUM	4.70	J	UG/L	119.00	129.00	2.00	X
MW-49	W49SSA	11/19/1999	IM40MB	THALLIUM	4.70	J	UG/L	0.00	10.00	2.00	X
MW-49	W49M3D	06/27/2000	IM40MB	THALLIUM	4.30	J	UG/L	29.48	39.48	2.00	X
MW-50	W50M1A	05/15/2000	IM40MB	THALLIUM	6.20	J	UG/L	90.00	100.00	2.00	X

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1997 THROUGH MAY 2001

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-51	W51M3A	08/25/1999	IM40MB	THALLIUM	4.30	J	UG/L	29.00	39.00	2.00	X
MW-52	W52SSA	08/26/1999	IM40MB	THALLIUM	3.60	J	UG/L	0.00	10.00	2.00	X
MW-52	W52SSA	11/18/1999	IM40MB	THALLIUM	4.30	J	UG/L	0.00	10.00	2.00	X
MW-52	W52SSA	05/23/2000	IM40MB	THALLIUM	4.70	J	UG/L	0.00	10.00	2.00	X
MW-52	W52M3L	04/07/1999	IM40MB	THALLIUM	3.60	J	UG/L	26.00	36.00	2.00	X
MW-52	W52DDA	04/02/1999	IM40MB	THALLIUM	2.80	J	UG/L	219.00	229.00	2.00	X
MW-52	W52DDL	04/02/1999	IM40MB	THALLIUM	2.60	J	UG/L	219.00	229.00	2.00	X
MW-52	W52DDA	08/30/1999	IM40MB	THALLIUM	3.80	J	UG/L	219.00	229.00	2.00	X
MW-53	W53M1A	11/05/1999	IM40MB	THALLIUM	3.40	J	UG/L	100.00	110.00	2.00	X
MW-54	W54SSA	11/08/1999	IM40MB	THALLIUM	7.40	J	UG/L	0.00	10.00	2.00	X
MW-54	W54SSA	06/06/2000	IM40MB	THALLIUM	4.60	J	UG/L	0.00	10.00	2.00	X
MW-54	W54SSA	11/15/2000	IM40MB	THALLIUM	3.10	J	UG/L	0.00	10.00	2.00	X
MW-54	W54M1A	08/30/1999	IM40MB	THALLIUM	2.80	J	UG/L	80.00	90.00	2.00	X
MW-54	W54M1A	11/05/1999	IM40MB	THALLIUM	3.90	J	UG/L	80.00	90.00	2.00	X
MW-55	W55M1A	08/31/1999	IM40MB	THALLIUM	2.50	J	UG/L	90.00	100.00	2.00	X
MW-56	W56SSA	09/05/2000	IM40MB	THALLIUM	4.00	J	UG/L	0.00	10.00	2.00	X
MW-56	W56M3A	09/05/2000	IM40MB	THALLIUM	6.10	J	UG/L	28.00	38.00	2.00	X
MW-56	W56M3D	09/05/2000	IM40MB	THALLIUM	4.40	J	UG/L	28.00	38.00	2.00	X
MW-57	W57M2A	03/22/2000	IM40MB	THALLIUM	4.10	J	UG/L	60.00	70.00	2.00	X
MW-58	W58SSA	05/11/2000	IM40MB	THALLIUM	7.30	J	UG/L	0.00	10.00	2.00	X
MW-64	W64M1A	02/07/2000	IM40MB	THALLIUM	4.10	J	UG/L	37.00	47.00	2.00	X
MW-7	W07MMA	02/23/1999	IM40MB	THALLIUM	4.10	J	UG/L	67.00	72.00	2.00	X
MW-7	W07M1A	09/07/1999	IM40MB	THALLIUM	26.20		UG/L	67.00	72.00	2.00	X
MW-7	W07M1D	09/07/1999	IM40MB	THALLIUM	12.70		UG/L	67.00	72.00	2.00	X
MW-7	W07M2L	02/05/1998	IM40MB	THALLIUM	6.60	J	UG/L	137.00	142.00	2.00	X
MW-7	W07M2A	02/24/1999	IM40MB	THALLIUM	4.40	J	UG/L	137.00	142.00	2.00	X
MW-72	W72SSA	05/27/1999	IM40MB	THALLIUM	4.00		UG/L	0.00	10.00	2.00	X
MW-83	W83SSA	01/13/2000	IM40MB	THALLIUM	3.60	J	UG/L	0.00	10.00	2.00	X
MW-84	W84SSA	10/21/1999	IM40MB	THALLIUM	3.20	J	UG/L	0.00	10.00	2.00	X
MW-94	W94M2A	01/11/2001	IM40MB	THALLIUM	2.00	J	UG/L	14.04	24.04	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	0.00	10.00	2.00	X
95-14	W9514A	09/28/1999	IM40MB	ZINC	2,430.00		UG/L	90.00	120.00	2,000.00	X
95-15	W9515A	10/17/1997	IM40MB	ZINC	7,210.00		UG/L	80.00	92.00	2,000.00	X
95-15	W9515L	10/17/1997	IM40MB	ZINC	4,620.00		UG/L	80.00	92.00	2,000.00	X

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

LOCID/WELL ID	OGDEN_ID	SAMPLED	METHOD	OGDEN_ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
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
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	110.00	120.00	5.00	X
03MW0122A	WS122A	09/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	12.00		UG/L	1.00	11.00	6.00	X
11MW0003	WF143A	02/25/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00		UG/L	0.00	0.00	6.00	X
11MW0003	WF143A	09/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	24.00		UG/L	0.00	0.00	6.00	X
15MW0004	15MW0004	04/09/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	6.00		UG/L	0.00	10.00	6.00	X
15MW0008	15MW0008D	04/12/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	25.00	J	UG/L	0.00	0.00	6.00	X
28MW0106	WL28XA	02/19/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	18.00	J	UG/L	0.00	10.00	6.00	X
28MW0106	WL28XA	03/23/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	26.00		UG/L	0.00	10.00	6.00	X
58MW0002	WC2XXA	02/26/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	36.00		UG/L	4.00	9.00	6.00	X
58MW0005E	WC5EXA	09/27/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	0.00	10.00	6.00	X
58MW0006E	WC6EXA	10/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	59.00		UG/L	0.00	10.00	6.00	X
58MW0006E	WC6EXD	10/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	57.00		UG/L	0.00	10.00	6.00	X
58MW0006E	WC6EXA	01/29/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	6.00		UG/L	0.00	10.00	6.00	X
58MW0007C	WC7CXA	09/28/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	13.00		UG/L	24.00	29.00	6.00	X
90MW0054	WF12XA	10/04/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	13.00	J	UG/L	95.00	100.00	6.00	X
90WT0003	WF03XA	09/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	58.00		UG/L	0.00	10.00	6.00	X

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1997 THROUGH MAY 2001

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

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1997 THROUGH MAY 2001

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MW-23	W23SSA	10/27/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	24.00		UG/L	0.00	10.00	6.00	X
MW-23	W23M3A	11/13/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	10.00		UG/L	153.00	163.00	6.00	X
MW-23	W23M3D	11/13/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	13.00		UG/L	153.00	163.00	6.00	X
MW-24	W24SSA	11/14/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	0.00	10.00	6.00	X
MW-27	W27SSA	09/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00		UG/L	0.00	10.00	6.00	X
MW-28	W28SSA	11/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	11.00		UG/L	0.00	10.00	6.00	X
MW-28	W28SSA	09/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	150.00	J	UG/L	0.00	10.00	6.00	X
MW-29	W29SSA	11/03/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	16.00		UG/L	0.00	10.00	6.00	X
MW-29	W29SSA	09/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	20.00		UG/L	0.00	10.00	6.00	X
MW-36	W36M2A	08/17/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	59.00	69.00	6.00	X
MW-38	W38M3A	05/06/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	15.00		UG/L	53.00	63.00	6.00	X
MW-4	W04SSA	11/04/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	30.00		UG/L	0.00	10.00	6.00	X
MW-41	W41M2A	11/12/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00		UG/L	69.00	79.00	6.00	X
MW-43	W43M1A	05/26/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	6.00		UG/L	93.00	103.00	6.00	X
MW-44	W44M1A	09/20/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	14.00		UG/L	55.00	65.00	6.00	X
MW-45	W45M1A	05/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	37.00		UG/L	98.00	108.00	6.00	X
MW-46	W46M1A	11/01/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	6.00	J	UG/L	102.00	112.00	6.00	X
MW-46	W46DDA	11/02/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	14.00	J	UG/L	135.00	145.00	6.00	X
MW-47	W47M1A	08/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	14.00		UG/L	75.00	85.00	6.00	X
MW-47	W47DDA	08/24/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	16.00		UG/L	100.00	110.00	6.00	X
MW-49	W49SSA	03/01/2000	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	290.00		UG/L	0.00	10.00	6.00	X
MW-5	W05DDA	02/13/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	9.00	J	UG/L	220.00	225.00	6.00	X
MW-52	W52M3A	08/27/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00	J	UG/L	26.00	36.00	6.00	X
MW-53	W53M1A	08/30/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	31.00		UG/L	100.00	110.00	6.00	X
MW-53	W53DDA	02/18/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	18.00		UG/L	157.00	167.00	6.00	X
MW-55	W55DDA	05/13/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	8.00		UG/L	120.00	130.00	6.00	X
MW-57	W57SSA	12/21/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	3,300.00	J	UG/L	0.00	10.00	6.00	X
MW-57	W57M2A	06/30/2000	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	7.00		UG/L	60.00	70.00	6.00	X
MW-57	W57DDA	12/13/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	95.00		UG/L	125.00	135.00	6.00	X
MW-7	W07SSA	10/31/1997	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	10.00		UG/L	0.00	10.00	6.00	X
MW-70	W70M1A	10/27/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	10.00		UG/L	130.00	140.00	6.00	X
MW-84	W84DDA	03/03/2000	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	30.00		UG/L	151.00	161.00	6.00	X
RW-1	WRW1XA	02/18/1998	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	59.00		UG/L	0.00	9.00	6.00	X
RW-1	WRW1XD	10/06/1999	OC21B	BIS(2-ETHYLHEXYL) PHTHAL	11.00	J	UG/L	0.00	9.00	6.00	X
90MW0003	WF03MA	10/07/1999	OC21B	NAPHTHALENE	33.00		UG/L	60.00	65.00	20.00	X

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MW-45	W45SSA	05/26/1999	OC21B	NAPHTHALENE	24.00		UG/L	0.00	10.00	20.00	X
MW-45	W45SSA	11/16/1999	OC21B	NAPHTHALENE	27.00		UG/L	0.00	10.00	20.00	X
90MW0003	WF03MA	10/07/1999	OC21V	1,2-DICHLOROETHANE	5.00		UG/L	60.00	65.00	5.00	X
03MW0007A	03MW0007A	04/13/1999	OC21V	TETRACHLOROETHYLENE(P	6.00		UG/L	21.00	26.00	5.00	X
03MW0014A	03MW0014A	04/13/1999	OC21V	TETRACHLOROETHYLENE(P	8.00		UG/L	38.00	43.00	5.00	X
03MW0020	03MW0020	04/14/1999	OC21V	TETRACHLOROETHYLENE(P	12.00		UG/L	36.00	41.00	5.00	X
MW-45	W45SSA	11/16/1999	OC21V	TOLUENE	1,000.00		UG/L	0.00	10.00	1,000.00	X
MW-45	W45SSA	05/29/2000	OC21V	TOLUENE	1,100.00		UG/L	0.00	10.00	1,000.00	X
MW-45	W45SSA	12/27/2000	OC21V	TOLUENE	1,300.00		UG/L	0.00	10.00	1,000.00	X
27MW0017B	27MW0017B	04/30/1999	OC21V	VINYL CHLORIDE	2.00		UG/L	21.00	26.00	2.00	X
PPAWSMW-1	PPAWSMW-1	06/22/1999	OL21P	DIELDRIN	3.00		UG/L	10.00	20.00	0.50	X
MW-142	W142M2A	01/29/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHAL	11.00		UG/L	95.10	105.10	6.00	X
MW-142	W142M1A	01/29/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHAL	20.00		UG/L	180.50	190.50	6.00	X
MW-146	W146M1A	02/23/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHAL	8.40		UG/L	71.58	76.58	6.00	X
MW-28	W28M1A	01/12/2001	SW8270	BIS(2-ETHYLHEXYL) PHTHAL	9.70		UG/L	168.50	178.50	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
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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
58MW0002	58MW0002	05/23/2001	GROUNDWATER	121.50	126.50	2.90	7.90	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
58MW0002	58MW0002	05/23/2001	GROUNDWATER	121.50	126.50	2.90	7.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
58MW0002	58MW0002	05/23/2001	GROUNDWATER	121.50	126.50	2.90	7.90	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
58MW0009E	58MW0009E	05/23/2001	GROUNDWATER	223.60	228.60	96.00	101.00	8330N	2-AMINO-4,6-DINITROTOLUENE	YES
58MW0009E	58MW0009E	05/23/2001	GROUNDWATER	223.60	228.60	96.00	101.00	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
58MW0009E	58MW0009E	05/23/2001	GROUNDWATER	223.60	228.60	96.00	101.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
58MW0009E	58MW0009E	05/23/2001	GROUNDWATER	223.60	228.60	96.00	101.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
58MW0011D	58MW0011D	05/24/2001	GROUNDWATER	180.00	185.00	49.50	54.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,	YES
HD102GA1AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	2,4-DINITROTOLUENE	
HD102GA1AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	
HD102GA1AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	DI-N-BUTYL PHTHALATE	
HD61FA1AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	2,4-DINITROTOLUENE	
HD61FA1AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	2-CHLOROBENZOIC ACID	
HD61FA1AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	
HD61FA1AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	DI-N-BUTYL PHTHALATE	
HD61FA2AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	2,4-DINITROTOLUENE	
HD61FA2AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	2,6-DINITROTOLUENE	
HD61FA2AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	2-NITRODIPHENYLAMINE	
HD61FA2AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	CHRYSENE	
HD61FA2AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	DI-N-BUTYL PHTHALATE	
HD61FA2AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	N-NITROSODIPHENYLAMINE	
HD61FA3AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	2,4-DINITROTOLUENE	
HD61FA3AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	2,6-DINITROTOLUENE	
HD61FA3AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	2-NITRODIPHENYLAMINE	
HD61FA3AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	
HD61FA3AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	DI-N-BUTYL PHTHALATE	
HD61FA3AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	N-NITROSODIPHENYLAMINE	
HD61FA4AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	1,3-DIETHYL-1,3-DIPHENYL UREA	
HD61FA4AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	2,4-DINITROTOLUENE	
HD61FA4AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	BENZO(A)ANTHRACENE	
HD61FA4AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	BENZO(A)PYRENE	
HD61FA4AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	BENZO(B)FLUORANTHENE	

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HD61FA4AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	BENZO(G,H,I)PERYLENE	
HD61FA4AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	CHRYSENE	
HD61FA4AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	DI-N-BUTYL PHTHALATE	
HD61FA4AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	INDENO(1,2,3-C,D)PYRENE	
HD61FA4AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	PYRENE	
HD61FA5AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	2,4-DINITROTOLUENE	
HD61FA5AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	2,6-DINITROTOLUENE	
HD61FA5AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	2-NITRODIPHENYLAMINE	
HD61FA5AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	
HD61FA5AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	DI-N-BUTYL PHTHALATE	
HD61FA5AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	DI-N-OCTYLPHTHALATE	
HD61FA5AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	N-NITROSODIPHENYLAMINE	
HD61FA5AAA	61FA	04/17/2001	TCLP LEACHATE	0.00	0.25			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
HD61FA6AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	2,4-DINITROTOLUENE	
HD61FA6AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	2,6-DINITROTOLUENE	
HD61FA6AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	2-NITRODIPHENYLAMINE	
HD61FA6AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	BENZO(A)ANTHRACENE	
HD61FA6AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	BENZO(A)PYRENE	
HD61FA6AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	BENZO(B)FLUORANTHENE	
HD61FA6AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	
HD61FA6AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	CHRYSENE	
HD61FA6AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	DI-N-BUTYL PHTHALATE	
HD61FA6AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	FLUORANTHENE	
HD61FA6AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	N-NITROSODIPHENYLAMINE	
HD61FA6AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	PYRENE	
HD61FA7AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	2,4-DINITROTOLUENE	
HD61FA7AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	BENZO(A)PYRENE	
HD61FA7AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	BENZO(B)FLUORANTHENE	
HD61FA7AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	BENZOIC ACID	
HD61FA7AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	
HD61FA7AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	CHRYSENE	
HD61FA7AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	DI-N-BUTYL PHTHALATE	

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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
HD61FA7AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	FLUORANTHENE	
HD61FA7AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	N-NITROSODIPHENYLAMINE	
HD61FA7AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	PYRENE	
HD61FA8AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	2,4-DINITROTOLUENE	
HD61FA8AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	2,6-DINITROTOLUENE	
HD61FA8AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	2-NITRODIPHENYLAMINE	
HD61FA8AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	BENZO(B)FLUORANTHENE	
HD61FA8AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	
HD61FA8AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	DI-N-BUTYL PHTHALATE	
HD61FA8AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	N-NITROSODIPHENYLAMINE	
HD61FA9AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	2,4-DINITROTOLUENE	
HD61FA9AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	2,6-DINITROTOLUENE	
HD61FA9AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	2-NITRODIPHENYLAMINE	
HD61FA9AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	
HD61FA9AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	DI-N-BUTYL PHTHALATE	
HD61FA9AAA	61FA	04/17/2001	SOIL GRID	0.00	0.25			SW8270	N-NITROSODIPHENYLAMINE	
90LWA0007	90LWA0007	05/15/2001	GROUNDWATER	92.00	L02.00	0.00	10.00	8330N	2,6-DINITROTOLUENE	NO
90LWA0007	90LWA0007	05/15/2001	GROUNDWATER	92.00	L02.00	0.00	10.00	8330N	2-NITROTOLUENE	NO
90LWA0007	90LWA0007	05/15/2001	GROUNDWATER	92.00	L02.00	0.00	10.00	8330N	3-NITROTOLUENE	NO
90LWA0007	90LWA0007	05/15/2001	GROUNDWATER	92.00	L02.00	0.00	10.00	8330N	4-NITROTOLUENE	NO
90MW0003	90MW0003	05/16/2001	GROUNDWATER	144.00	L49.00	52.11	57.11	8330N	2-NITROTOLUENE	NO
90MW0022A	90MW0022	04/28/2001	GROUNDWATER	111.00	L16.00	71.00	76.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
90MW0054	90MW0054	05/17/2001	GROUNDWATER	107.00	L12.00	91.17	96.17	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
90WT0004	90WT0004	05/13/2001	GROUNDWATER	35.00	45.00	0.00	10.00	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
90WT0013	90WT0013	05/20/2001	GROUNDWATER	95.00	L05.00	0.00	10.00	8330N	2-NITROTOLUENE	NO
90WT0019A	90WT0019	04/28/2001	GROUNDWATER	96.00	L06.00	0.00	10.00	8330N	1,3,5-TRINITROBENZENE	NO
90WT0019A	90WT0019	04/28/2001	GROUNDWATER	96.00	L06.00	0.00	10.00	8330N	1,3-DINITROBENZENE	NO
90WT0019A	90WT0019	04/28/2001	GROUNDWATER	96.00	L06.00	0.00	10.00	8330N	2,4,6-TRINITROTOLUENE	NO
90WT0019A	90WT0019	04/28/2001	GROUNDWATER	96.00	L06.00	0.00	10.00	8330N	2,6-DIAMINO-4-NITROTOLUENE	NO
90WT0019A	90WT0019	04/28/2001	GROUNDWATER	96.00	L06.00	0.00	10.00	8330N	2-NITROTOLUENE	NO
90WT0019A	90WT0019	04/28/2001	GROUNDWATER	96.00	L06.00	0.00	10.00	8330N	3-NITROTOLUENE	NO
90WT0019A	90WT0019	04/28/2001	GROUNDWATER	96.00	L06.00	0.00	10.00	8330N	4-NITROTOLUENE	NO

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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
90WT0019A	90WT0019	04/28/2001	GROUNDWATER	96.00	106.00	0.00	10.00	8330N	NITROGLYCERIN	NO
90WT0019A	90WT0019	04/28/2001	GROUNDWATER	96.00	106.00	0.00	10.00	8330N	PICRIC ACID	NO
90WT0019A	90WT0019	04/28/2001	GROUNDWATER	96.00	106.00	0.00	10.00	8330N	TETRYL	NO
W1M2A	MW-1	05/01/2001	GROUNDWATER	160.00	165.00	39.90	44.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W108M4A	MW-108	04/24/2001	GROUNDWATER	240.00	250.00	73.46	83.46	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W108M4A	MW-108	04/24/2001	GROUNDWATER	240.00	250.00	73.46	83.46	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W111M3A	MW-111	04/25/2001	GROUNDWATER	165.00	175.00	29.10	39.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W112M2A	MW-112	05/01/2001	GROUNDWATER	165.00	175.00	23.70	33.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W112M1A	MW-112	05/01/2001	GROUNDWATER	195.00	205.00	53.70	63.70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W113M2A	MW-113	04/30/2001	GROUNDWATER	190.00	200.00	46.40	56.40	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W113M2A	MW-113	04/30/2001	GROUNDWATER	190.00	200.00	46.40	56.40	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
S125AA	MW-125	04/27/2001	SOIL BORING					8330N	2-AMINO-4,6-DINITROTOLUENE	YES
S125AA	MW-125	04/27/2001	SOIL BORING					8330N	2-AMINO-4,6-DINITROTOLUENE	YES
S125AA	MW-125	04/27/2001	SOIL BORING					8330N	2-AMINO-4,6-DINITROTOLUENE	YES
S125AA	MW-125	04/27/2001	SOIL BORING					8330N	4-AMINO-2,6-DINITROTOLUENE	YES
S125AA	MW-125	04/27/2001	SOIL BORING					8330N	4-AMINO-2,6-DINITROTOLUENE	YES
S125AA	MW-125	04/27/2001	SOIL BORING					8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
S125AA	MW-125	04/27/2001	SOIL BORING					8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
S125AA	MW-125	04/27/2001	SOIL BORING					8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
S125AA	MW-125	04/27/2001	SOIL BORING					8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W135M2A	MW-135	04/26/2001	GROUNDWATER	280.00	290.00	90.10	100.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W141SSA	MW-141	04/28/2001	GROUNDWATER	128.00	138.00	0.00	10.00	8330N	2,4,6-TRINITROTOLUENE	YES
W141M2A	MW-141	04/28/2001	GROUNDWATER	162.00	172.00	30.33	40.33	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W157M3A	MW-157	05/03/2001	GROUNDWATER	110.00	120.00	96.60	106.60	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W157M2A	MW-157	05/03/2001	GROUNDWATER	154.00	164.00	140.30	150.60	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W16SSA	MW-16	04/26/2001	GROUNDWATER	128.00	138.00	0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W16SSA	MW-16	04/26/2001	GROUNDWATER	128.00	138.00	0.00	10.00	8330N	NITROGLYCERIN	NO
W165M2A	MW-165	05/08/2001	GROUNDWATER	124.00	134.00	44.20	54.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W165M2A	MW-165	05/08/2001	GROUNDWATER	124.00	134.00	44.20	54.20	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
G166DGA	MW-166	04/23/2001	PROFILE	180.00	180.00	70.00	70.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G166DGA	MW-166	04/23/2001	PROFILE	180.00	180.00	70.00	70.00	OC21V	ACETONE	
G166DHA	MW-166	04/23/2001	PROFILE	190.00	190.00	80.00	80.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES

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TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 4/15/01-5/31/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G166DHA	MW-166	04/23/2001	PROFILE	190.00	190.00	80.00	80.00	OC21V	ACETONE	
G166DHA	MW-166	04/23/2001	PROFILE	190.00	190.00	80.00	80.00	OC21V	CHLOROFORM	
G166DHA	MW-166	04/23/2001	PROFILE	190.00	190.00	80.00	80.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G166DIA	MW-166	04/23/2001	PROFILE	200.00	200.00	90.00	90.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G166DIA	MW-166	04/23/2001	PROFILE	200.00	200.00	90.00	90.00	OC21V	ACETONE	
G166DIA	MW-166	04/23/2001	PROFILE	200.00	200.00	90.00	90.00	OC21V	CHLOROFORM	
G166DJA	MW-166	04/23/2001	PROFILE	210.00	210.00	100.00	100.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G166DJA	MW-166	04/23/2001	PROFILE	210.00	210.00	100.00	100.00	OC21V	ACETONE	
G166DJA	MW-166	04/23/2001	PROFILE	210.00	210.00	100.00	100.00	OC21V	CHLOROFORM	
G166DKA	MW-166	04/23/2001	PROFILE	220.00	220.00	110.00	110.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G166DKA	MW-166	04/23/2001	PROFILE	220.00	220.00	110.00	110.00	OC21V	ACETONE	
G166DKA	MW-166	04/23/2001	PROFILE	220.00	220.00	110.00	110.00	OC21V	CHLOROFORM	
G166DKA	MW-166	04/23/2001	PROFILE	220.00	220.00	110.00	110.00	OC21V	METHYL ETHYL KETONE (2-BUTA	
G166DLA	MW-166	04/23/2001	PROFILE	230.00	230.00	120.00	120.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G166DLA	MW-166	04/23/2001	PROFILE	230.00	230.00	120.00	120.00	OC21V	ACETONE	
G166DLA	MW-166	04/23/2001	PROFILE	230.00	230.00	120.00	120.00	OC21V	CHLOROFORM	
G166DMA	MW-166	04/23/2001	PROFILE	240.00	240.00	130.00	130.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G166DMA	MW-166	04/23/2001	PROFILE	240.00	240.00	130.00	130.00	OC21V	ACETONE	
G166DMA	MW-166	04/23/2001	PROFILE	240.00	240.00	130.00	130.00	OC21V	CHLOROFORM	
G166DNA	MW-166	04/23/2001	PROFILE	250.00	250.00	140.00	140.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G166DNA	MW-166	04/23/2001	PROFILE	250.00	250.00	140.00	140.00	OC21V	ACETONE	
G166DNA	MW-166	04/23/2001	PROFILE	250.00	250.00	140.00	140.00	OC21V	CHLOROFORM	
G166DOA	MW-166	04/23/2001	PROFILE	260.00	260.00	150.00	150.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G166DOA	MW-166	04/23/2001	PROFILE	260.00	260.00	150.00	150.00	OC21V	ACETONE	
G166DOA	MW-166	04/23/2001	PROFILE	260.00	260.00	150.00	150.00	OC21V	CHLOROFORM	
G166DPA	MW-166	04/23/2001	PROFILE	270.00	270.00	160.00	160.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G166DPA	MW-166	04/23/2001	PROFILE	270.00	270.00	160.00	160.00	OC21V	ACETONE	
G166DPA	MW-166	04/23/2001	PROFILE	270.00	270.00	160.00	160.00	OC21V	CHLOROFORM	
G168DAA	MW-168	05/02/2001	PROFILE	93.00	93.00	6.90	6.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G168DAA	MW-168	05/02/2001	PROFILE	93.00	93.00	6.90	6.90	8330N	NITROBENZENE	NO
G168DAA	MW-168	05/02/2001	PROFILE	93.00	93.00	6.90	6.90	8330N	PENTAERYTHRITOL TETRANITR/	NO
G168DAA	MW-168	05/02/2001	PROFILE	93.00	93.00	6.90	6.90	8330N	PICRIC ACID	NO

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(UNVALIDATED)
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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G168DAA	MW-168	05/02/2001	PROFILE	93.00	93.00	6.90	6.90	OC21V	ACETONE	
G168DAA	MW-168	05/02/2001	PROFILE	93.00	93.00	6.90	6.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G168DAA	MW-168	05/02/2001	PROFILE	93.00	93.00	6.90	6.90	OC21V	TOLUENE	
G168DBA	MW-168	05/02/2001	PROFILE	103.00	L03.00	16.90	16.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G168DBA	MW-168	05/02/2001	PROFILE	103.00	L03.00	16.90	16.90	8330N	PICRIC ACID	NO
G168DBA	MW-168	05/02/2001	PROFILE	103.00	L03.00	16.90	16.90	OC21V	ACETONE	
G168DBA	MW-168	05/02/2001	PROFILE	103.00	L03.00	16.90	16.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G168DCA	MW-168	05/02/2001	PROFILE	113.00	L13.00	26.90	26.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G168DCA	MW-168	05/02/2001	PROFILE	113.00	L13.00	26.90	26.90	OC21V	ACETONE	
G168DCA	MW-168	05/02/2001	PROFILE	113.00	L13.00	26.90	26.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G168DCD	MW-168	05/02/2001	PROFILE	113.00	L13.00	26.90	26.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G168DCD	MW-168	05/02/2001	PROFILE	113.00	L13.00	26.90	26.90	OC21V	ACETONE	
G168DCD	MW-168	05/02/2001	PROFILE	113.00	L13.00	26.90	26.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G168DDA	MW-168	05/02/2001	PROFILE	123.00	L23.00	36.90	36.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G168DDA	MW-168	05/02/2001	PROFILE	123.00	L23.00	36.90	36.90	OC21V	ACETONE	
G168DDA	MW-168	05/02/2001	PROFILE	123.00	L23.00	36.90	36.90	OC21V	CHLOROMETHANE	
G168DDA	MW-168	05/02/2001	PROFILE	123.00	L23.00	36.90	36.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G168DEA	MW-168	05/02/2001	PROFILE	133.00	L33.00	46.90	46.90	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G168DEA	MW-168	05/02/2001	PROFILE	133.00	L33.00	46.90	46.90	8330N	3-NITROTOLUENE	NO
G168DEA	MW-168	05/02/2001	PROFILE	133.00	L33.00	46.90	46.90	8330N	4-NITROTOLUENE	NO
G168DEA	MW-168	05/02/2001	PROFILE	133.00	L33.00	46.90	46.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G168DEA	MW-168	05/02/2001	PROFILE	133.00	L33.00	46.90	46.90	8330N	NITROBENZENE	NO
G168DEA	MW-168	05/02/2001	PROFILE	133.00	L33.00	46.90	46.90	OC21V	ACETONE	
G168DEA	MW-168	05/02/2001	PROFILE	133.00	L33.00	46.90	46.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G168DFA	MW-168	05/03/2001	PROFILE	143.00	L43.00	56.90	56.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G168DFA	MW-168	05/03/2001	PROFILE	143.00	L43.00	56.90	56.90	OC21V	ACETONE	
G168DFA	MW-168	05/03/2001	PROFILE	143.00	L43.00	56.90	56.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G168DFD	MW-168	05/03/2001	PROFILE	143.00	L43.00	56.90	56.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G168DFD	MW-168	05/03/2001	PROFILE	143.00	L43.00	56.90	56.90	OC21V	ACETONE	
G168DFD	MW-168	05/03/2001	PROFILE	143.00	L43.00	56.90	56.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G168DGA	MW-168	05/03/2001	PROFILE	153.00	L53.00	66.90	66.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G168DGA	MW-168	05/03/2001	PROFILE	153.00	L53.00	66.90	66.90	OC21V	ACETONE	

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(UNVALIDATED)
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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G168DGA	MW-168	05/03/2001	PROFILE	153.00	153.00	66.90	66.90	OC21V	CHLOROFORM	
G168DGA	MW-168	05/03/2001	PROFILE	153.00	153.00	66.90	66.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G168DHA	MW-168	05/03/2001	PROFILE	163.00	163.00	76.90	76.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G168DHA	MW-168	05/03/2001	PROFILE	163.00	163.00	76.90	76.90	OC21V	ACETONE	
G168DHA	MW-168	05/03/2001	PROFILE	163.00	163.00	76.90	76.90	OC21V	CHLOROFORM	
G168DHA	MW-168	05/03/2001	PROFILE	163.00	163.00	76.90	76.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G168DIA	MW-168	05/03/2001	PROFILE	173.00	173.00	86.90	86.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G168DIA	MW-168	05/03/2001	PROFILE	173.00	173.00	86.90	86.90	OC21V	ACETONE	
G168DIA	MW-168	05/03/2001	PROFILE	173.00	173.00	86.90	86.90	OC21V	CHLOROFORM	
G168DIA	MW-168	05/03/2001	PROFILE	173.00	173.00	86.90	86.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G168DJA	MW-168	05/03/2001	PROFILE	183.00	183.00	96.60	96.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G168DJA	MW-168	05/03/2001	PROFILE	183.00	183.00	96.60	96.90	OC21V	ACETONE	
G168DJA	MW-168	05/03/2001	PROFILE	183.00	183.00	96.60	96.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G168DKA	MW-168	05/03/2001	PROFILE	193.00	193.00	106.90	106.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G168DKA	MW-168	05/03/2001	PROFILE	193.00	193.00	106.90	106.90	OC21V	ACETONE	
G168DKA	MW-168	05/03/2001	PROFILE	193.00	193.00	106.90	106.90	OC21V	CHLOROETHANE	
G168DKA	MW-168	05/03/2001	PROFILE	193.00	193.00	106.90	106.90	OC21V	CHLOROMETHANE	
G168DKA	MW-168	05/03/2001	PROFILE	193.00	193.00	106.90	106.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G168DLA	MW-168	05/03/2001	PROFILE	203.00	203.00	116.90	116.90	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G168DLA	MW-168	05/03/2001	PROFILE	203.00	203.00	116.90	116.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G168DLA	MW-168	05/03/2001	PROFILE	203.00	203.00	116.90	116.90	8330N	NITROBENZENE	NO
G168DLA	MW-168	05/03/2001	PROFILE	203.00	203.00	116.90	116.90	OC21V	ACETONE	
G168DLA	MW-168	05/03/2001	PROFILE	203.00	203.00	116.90	116.90	OC21V	CHLOROETHANE	
G168DLA	MW-168	05/03/2001	PROFILE	203.00	203.00	116.90	116.90	OC21V	CHLOROMETHANE	
G168DLA	MW-168	05/03/2001	PROFILE	203.00	203.00	116.90	116.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G168DMA	MW-168	05/03/2001	PROFILE	213.00	213.00	126.90	126.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G168DMA	MW-168	05/03/2001	PROFILE	213.00	213.00	126.90	126.90	OC21V	ACETONE	
G168DMA	MW-168	05/03/2001	PROFILE	213.00	213.00	126.90	126.90	OC21V	CHLOROFORM	
G168DMA	MW-168	05/03/2001	PROFILE	213.00	213.00	126.90	126.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G168DNA	MW-168	05/03/2001	PROFILE	223.00	223.00	136.90	136.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G168DNA	MW-168	05/03/2001	PROFILE	223.00	223.00	136.90	136.90	OC21V	ACETONE	
G168DNA	MW-168	05/03/2001	PROFILE	223.00	223.00	136.90	136.90	OC21V	CHLOROFORM	

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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G168DNA	MW-168	05/03/2001	PROFILE	223.00	223.00	136.90	136.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G168DNA	MW-168	05/03/2001	PROFILE	223.00	223.00	136.90	136.90	OC21V	TOLUENE	
G168DOA	MW-168	05/03/2001	PROFILE	233.00	233.00	146.90	146.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G168DOA	MW-168	05/03/2001	PROFILE	233.00	233.00	146.90	146.90	OC21V	ACETONE	
G168DOA	MW-168	05/03/2001	PROFILE	233.00	233.00	146.90	146.90	OC21V	CHLOROFORM	
G168DOA	MW-168	05/03/2001	PROFILE	233.00	233.00	146.90	146.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G168DPA	MW-168	05/03/2001	PROFILE	243.00	243.00	156.90	156.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G168DPA	MW-168	05/03/2001	PROFILE	243.00	243.00	156.90	156.90	OC21V	ACETONE	
G168DPA	MW-168	05/03/2001	PROFILE	243.00	243.00	156.90	156.90	OC21V	CHLOROFORM	
G168DPA	MW-168	05/03/2001	PROFILE	243.00	243.00	156.90	156.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G168DQA	MW-168	05/03/2001	PROFILE	253.00	253.00	166.90	166.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G168DQA	MW-168	05/03/2001	PROFILE	253.00	253.00	166.90	166.90	OC21V	ACETONE	
G168DQA	MW-168	05/03/2001	PROFILE	253.00	253.00	166.90	166.90	OC21V	CHLOROFORM	
G168DQA	MW-168	05/03/2001	PROFILE	253.00	253.00	166.90	166.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G168DQD	MW-168	05/03/2001	PROFILE	253.00	253.00	166.90	166.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G168DQD	MW-168	05/03/2001	PROFILE	253.00	253.00	166.90	166.90	OC21V	ACETONE	
G168DQD	MW-168	05/03/2001	PROFILE	253.00	253.00	166.90	166.90	OC21V	CHLOROFORM	
G168DQD	MW-168	05/03/2001	PROFILE	253.00	253.00	166.90	166.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G168DRA	MW-168	05/04/2001	PROFILE	263.00	263.00	176.90	176.90	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G168DRA	MW-168	05/04/2001	PROFILE	263.00	263.00	176.90	176.90	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G168DRA	MW-168	05/04/2001	PROFILE	263.00	263.00	176.90	176.90	OC21V	ACETONE	
G168DRA	MW-168	05/04/2001	PROFILE	263.00	263.00	176.90	176.90	OC21V	CHLOROFORM	
G168DRA	MW-168	05/04/2001	PROFILE	263.00	263.00	176.90	176.90	OC21V	CHLOROMETHANE	
G168DRA	MW-168	05/04/2001	PROFILE	263.00	263.00	176.90	176.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G168DRA	MW-168	05/04/2001	PROFILE	263.00	263.00	176.90	176.90	OC21V	TOLUENE	
G168DSA	MW-168	05/04/2001	PROFILE	273.00	273.00	186.90	186.90	OC21V	ACETONE	
G168DSA	MW-168	05/04/2001	PROFILE	273.00	273.00	186.90	186.90	OC21V	CHLOROFORM	
G168DSA	MW-168	05/04/2001	PROFILE	273.00	273.00	186.90	186.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G168DTA	MW-168	05/04/2001	PROFILE	283.00	283.00	196.90	196.90	OC21V	ACETONE	
G168DTA	MW-168	05/04/2001	PROFILE	283.00	283.00	196.90	196.90	OC21V	CHLOROFORM	
G168DTA	MW-168	05/04/2001	PROFILE	283.00	283.00	196.90	196.90	OC21V	METHYL ETHYL KETONE (2-BUTA	
G169DBA	MW-169	05/09/2001	PROFILE	14.00	19.00	11.40	16.40	8330N	1,3,5-TRINITROBENZENE	NO

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G170DAA	MW-170	05/14/2001	PROFILE	110.00	110.00	2.10	2.10	8330N	2,6-DINITROTOLUENE	NO
G170DAA	MW-170	05/14/2001	PROFILE	110.00	110.00	2.10	2.10	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G170DBA	MW-170	05/15/2001	PROFILE	120.00	120.00	12.10	12.10	8330N	2,6-DINITROTOLUENE	NO
G170DHA	MW-170	05/16/2001	PROFILE	180.00	180.00	72.10	72.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES*
G170DHA	MW-170	05/16/2001	PROFILE	180.00	180.00	72.10	72.10	8330N	PICRIC ACID	NO
G170DJA	MW-170	05/16/2001	PROFILE	200.00	200.00	92.10	92.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO*
G170DJA	MW-170	05/16/2001	PROFILE	200.00	200.00	92.10	92.10	8330N	PICRIC ACID	NO
G170DLA	MW-170	05/16/2001	PROFILE	220.00	220.00	112.10	112.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO*
G170DMA	MW-170	05/16/2001	PROFILE	230.00	230.00	122.10	122.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO*
G170DQA	MW-170	05/16/2001	PROFILE	270.00	270.00	162.10	162.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO*
G170DQD	MW-170	05/16/2001	PROFILE	270.00	270.00	162.10	162.10	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G170DQD	MW-170	05/16/2001	PROFILE	270.00	270.00	162.10	162.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO*
G170DTA	MW-170	05/17/2001	PROFILE	300.00	300.00	192.10	192.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO*
G170DUA	MW-170	05/17/2001	PROFILE	310.00	310.00	202.10	202.10	8330N	3-NITROTOLUENE	NO
G170DUA	MW-170	05/17/2001	PROFILE	310.00	310.00	202.10	202.10	8330N	4-NITROTOLUENE	NO
G170DUA	MW-170	05/17/2001	PROFILE	310.00	310.00	202.10	202.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO*
G170DUA	MW-170	05/17/2001	PROFILE	310.00	310.00	202.10	202.10	8330N	NITROGLYCERIN	NO
G170DUA	MW-170	05/17/2001	PROFILE	310.00	310.00	202.10	202.10	8330N	PICRIC ACID	NO
G170DVA	MW-170	05/18/2001	PROFILE	320.00	320.00	212.10	212.10	8330N	3-NITROTOLUENE	NO
G170DVA	MW-170	05/18/2001	PROFILE	320.00	320.00	212.10	212.10	8330N	4-NITROTOLUENE	NO
G170DVA	MW-170	05/18/2001	PROFILE	320.00	320.00	212.10	212.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO*
G170DVA	MW-170	05/18/2001	PROFILE	320.00	320.00	212.10	212.10	8330N	PICRIC ACID	NO
G170DWA	MW-170	05/18/2001	PROFILE	330.00	330.00	222.10	222.10	8330N	1,3-DINITROBENZENE	NO
G170DWA	MW-170	05/18/2001	PROFILE	330.00	330.00	222.10	222.10	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G170DWA	MW-170	05/18/2001	PROFILE	330.00	330.00	222.10	222.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G170DWA	MW-170	05/18/2001	PROFILE	330.00	330.00	222.10	222.10	8330N	PENTAERYTHRITOL TETRANITR/	NO
G170DWA	MW-170	05/18/2001	PROFILE	330.00	330.00	222.10	222.10	8330N	PICRIC ACID	NO
G171DEA	MW-171	05/17/2001	PROFILE	44.00	49.00	41.35	46.35	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G171DFA	MW-171	05/17/2001	PROFILE	54.00	59.00	51.35	56.35	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G171DGA	MW-171	05/17/2001	PROFILE	64.00	69.00	61.35	66.35	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G171DHA	MW-171	05/17/2001	PROFILE	74.00	79.00	71.35	76.35	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G171DIA	MW-171	05/17/2001	PROFILE	84.00	89.00	81.35	86.35	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES

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

TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 4/15/01-5/31/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G171DJA	MW-171	05/18/2001	PROFILE	94.00	99.00	91.35	96.35	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W2M2A	MW-2	05/03/2001	GROUNDWATER	170.00	L75.00	27.10	32.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W23M2D	MW-23	04/26/2001	GROUNDWATER	189.00	L94.00	58.40	63.40	8330N	NITROGLYCERIN	NO
W23M1A	MW-23	04/27/2001	GROUNDWATER	225.00	235.00	94.50	104.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W25SSA	MW-25	05/01/2001	GROUNDWATER	108.00	L18.00	0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W27SSA	MW-27	05/01/2001	GROUNDWATER	117.00	L27.00	0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W30SSA	MW-30	05/04/2001	GROUNDWATER	26.00	36.00	25.70	35.70	8330N	2,4,6-TRINITROTOLUENE	NO
W31SSA	MW-31	05/02/2001	GROUNDWATER	98.00	L03.00	7.30	12.30	8330N	2,4,6-TRINITROTOLUENE	YES
W31SSA	MW-31	05/02/2001	GROUNDWATER	98.00	L03.00	7.30	12.30	8330N	2,4-DINITROTOLUENE	YES
W31SSA	MW-31	05/02/2001	GROUNDWATER	98.00	L03.00	7.30	12.30	8330N	2-AMINO-4,6-DINITROTOLUENE	YES
W31SSA	MW-31	05/02/2001	GROUNDWATER	98.00	L03.00	7.30	12.30	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
W31SSA	MW-31	05/02/2001	GROUNDWATER	98.00	L03.00	7.30	12.30	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W31SSA	MW-31	05/02/2001	GROUNDWATER	98.00	L03.00	7.30	12.30	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W31MMA	MW-31	05/23/2001	GROUNDWATER	113.00	L23.00	22.67	32.67	8330N	2,4,6-TRINITROTOLUENE	YES
W31MMA	MW-31	05/23/2001	GROUNDWATER	113.00	L23.00	22.67	32.67	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
W31MMA	MW-31	05/23/2001	GROUNDWATER	113.00	L23.00	22.67	32.67	8330N	2-AMINO-4,6-DINITROTOLUENE	YES
W31MMA	MW-31	05/23/2001	GROUNDWATER	113.00	L23.00	22.67	32.67	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
W31MMA	MW-31	05/23/2001	GROUNDWATER	113.00	L23.00	22.67	32.67	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W31MMA	MW-31	05/23/2001	GROUNDWATER	113.00	L23.00	22.67	32.67	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W34M2A	MW-34	05/01/2001	GROUNDWATER	131.00	L41.00	50.10	60.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W34M1A	MW-34	05/05/2001	GROUNDWATER	151.00	L61.00	70.20	80.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W37M3A	MW-37	04/30/2001	GROUNDWATER	130.00	L40.00	6.30	16.30	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W37M2A	MW-37	04/30/2001	GROUNDWATER	145.00	L55.00	21.00	31.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W38M3A	MW-38	04/30/2001	GROUNDWATER	170.00	L80.00	47.26	57.26	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W39M2A	MW-39	05/01/2001	GROUNDWATER	175.00	L85.00	35.20	45.20	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W43M2A	MW-43	05/02/2001	GROUNDWATER	200.00	210.00	62.30	72.30	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W75M2A	MW-75	05/09/2001	GROUNDWATER	115.00	L25.00	30.20	40.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W76SSA	MW-76	05/07/2001	GROUNDWATER	85.00	95.00	14.20	24.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W76M2A	MW-76	05/07/2001	GROUNDWATER	105.00	L15.00	34.10	44.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W76M2A	MW-76	05/07/2001	GROUNDWATER	105.00	L15.00	34.10	44.10	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W76M1A	MW-76	05/07/2001	GROUNDWATER	125.00	L35.00	54.20	64.20	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W76M1A	MW-76	05/07/2001	GROUNDWATER	125.00	L35.00	54.20	64.20	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES

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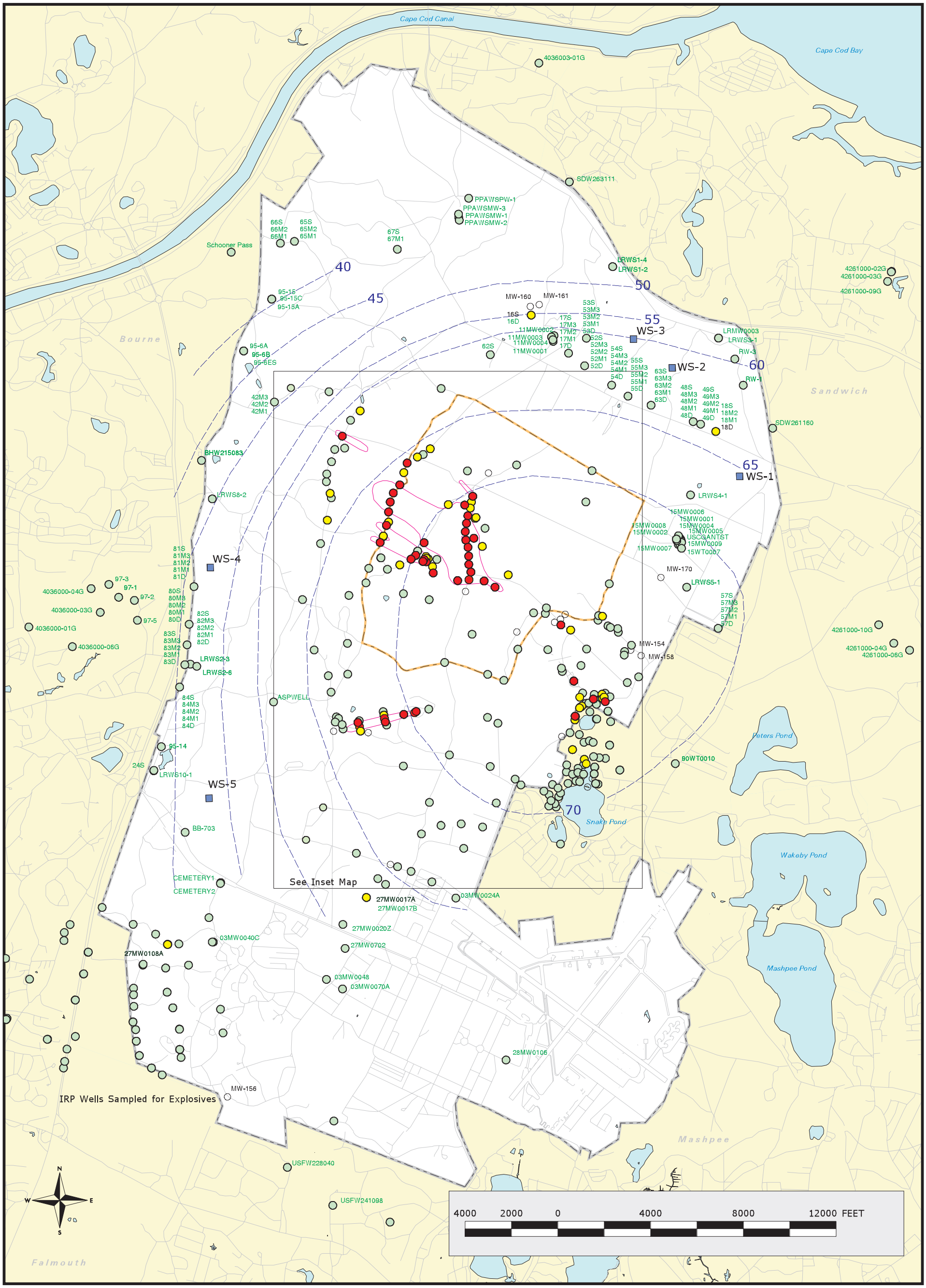
PDA/YES = Photo Diode Array, Detect Confirmed
PDA/NO = Photo Diode Array, Detect Not Confirmed

TABLE 4
DETECTED COMPOUNDS IN RUSH DATA
(UNVALIDATED)
SAMPLES COLLECTED 4/15/01-5/31/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
W77M2A	MW-77	05/10/2001	GROUNDWATER	120.00	l30.00	33.61	43.61	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
W77M2A	MW-77	05/10/2001	GROUNDWATER	120.00	l30.00	33.61	43.61	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W77M2A	MW-77	05/10/2001	GROUNDWATER	120.00	l30.00	33.61	43.61	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES
W78M2A	MW-78	05/10/2001	GROUNDWATER	115.00	l25.00	33.77	43.77	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES

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



LEGEND

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

Sources & Notes

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

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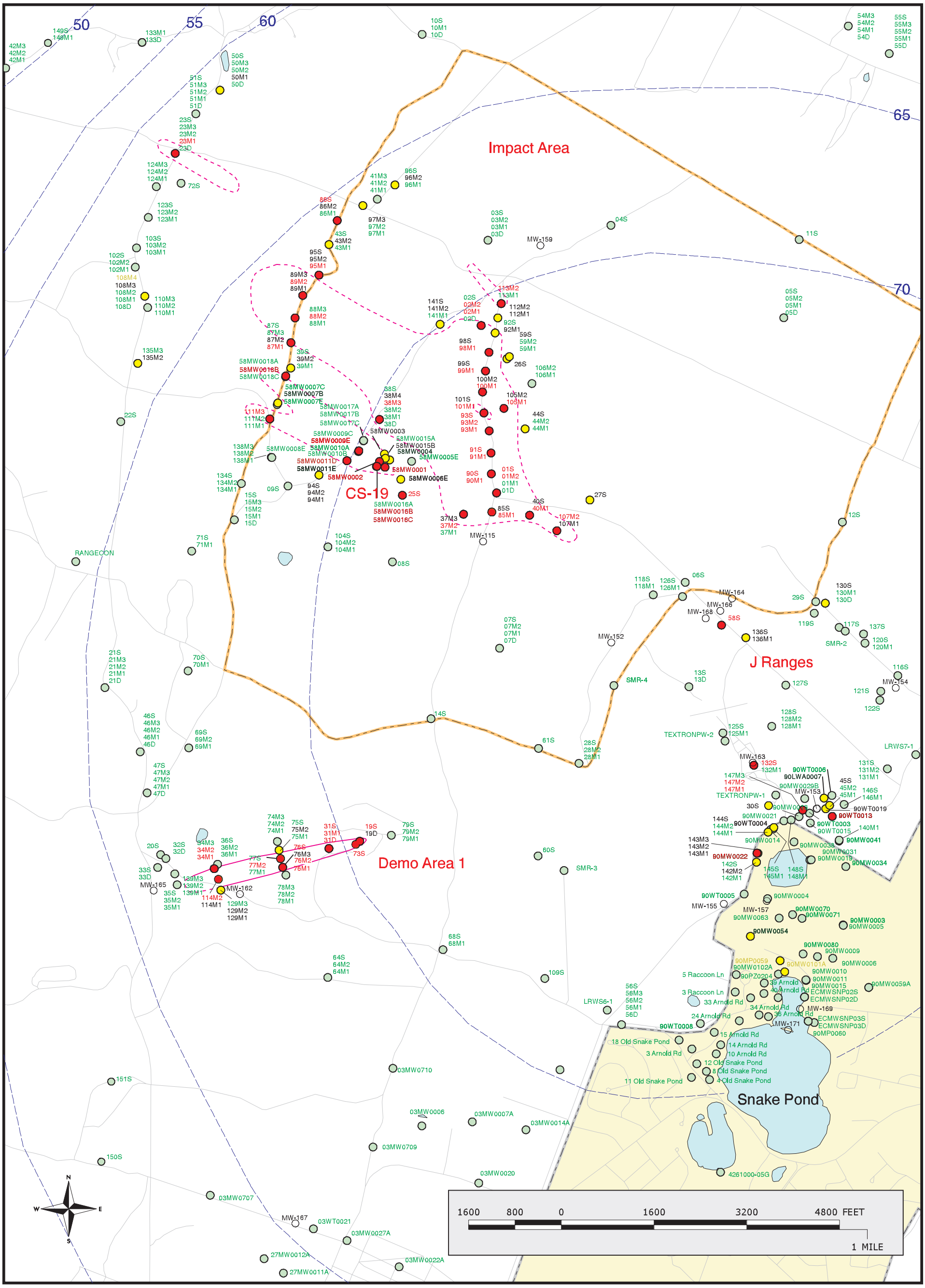
Figure 1

Explosives in Groundwater Compared to MCL/HAs Validated Data as of 05/25/01

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

amec June 05, 2001 DRAFT

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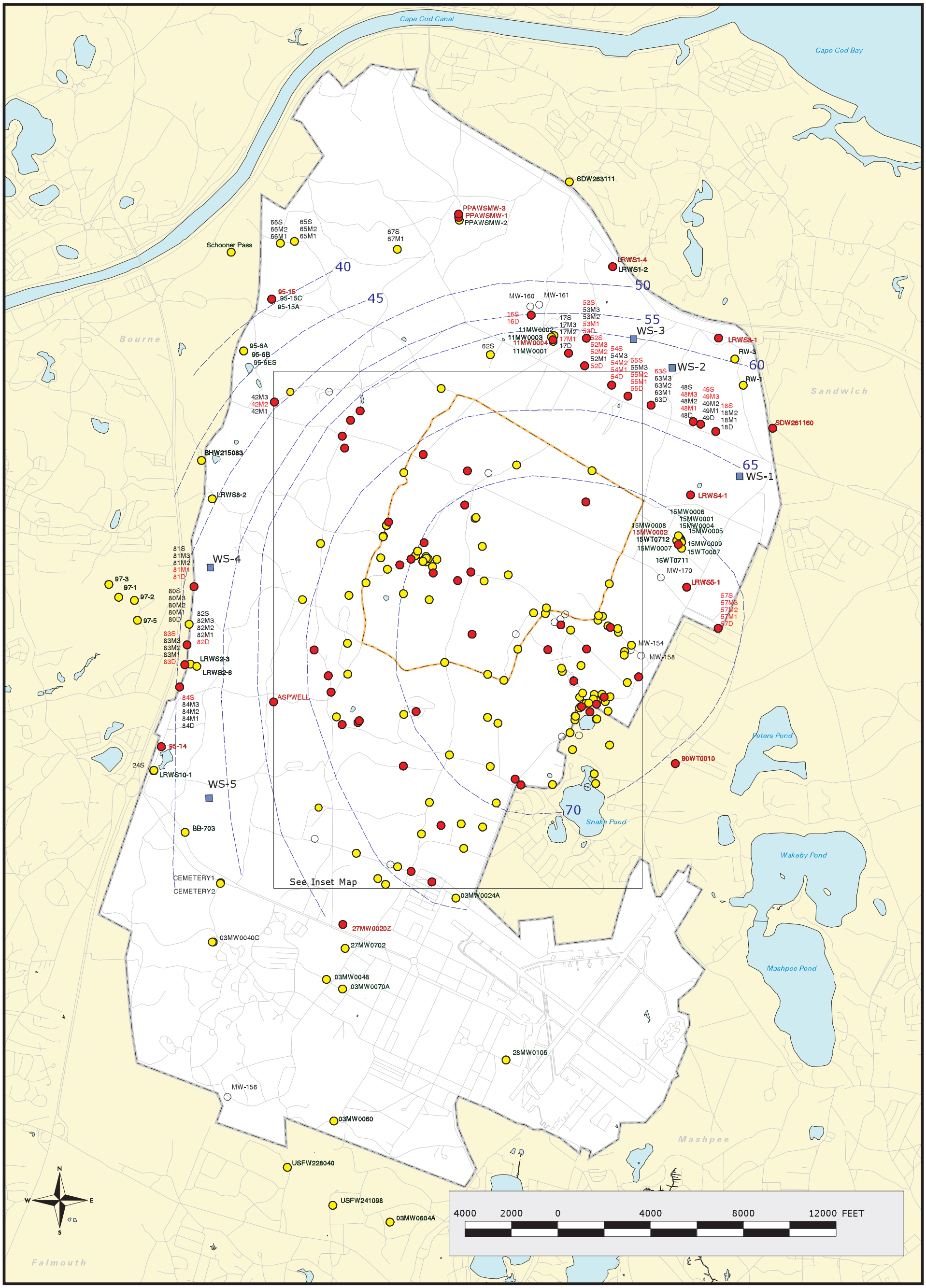
Figure 1 - INSET MAP

Explosives in Groundwater Compared to MCL/HAs Validated Data as of 05/25/01

Analyte Group
1



LEGEND

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

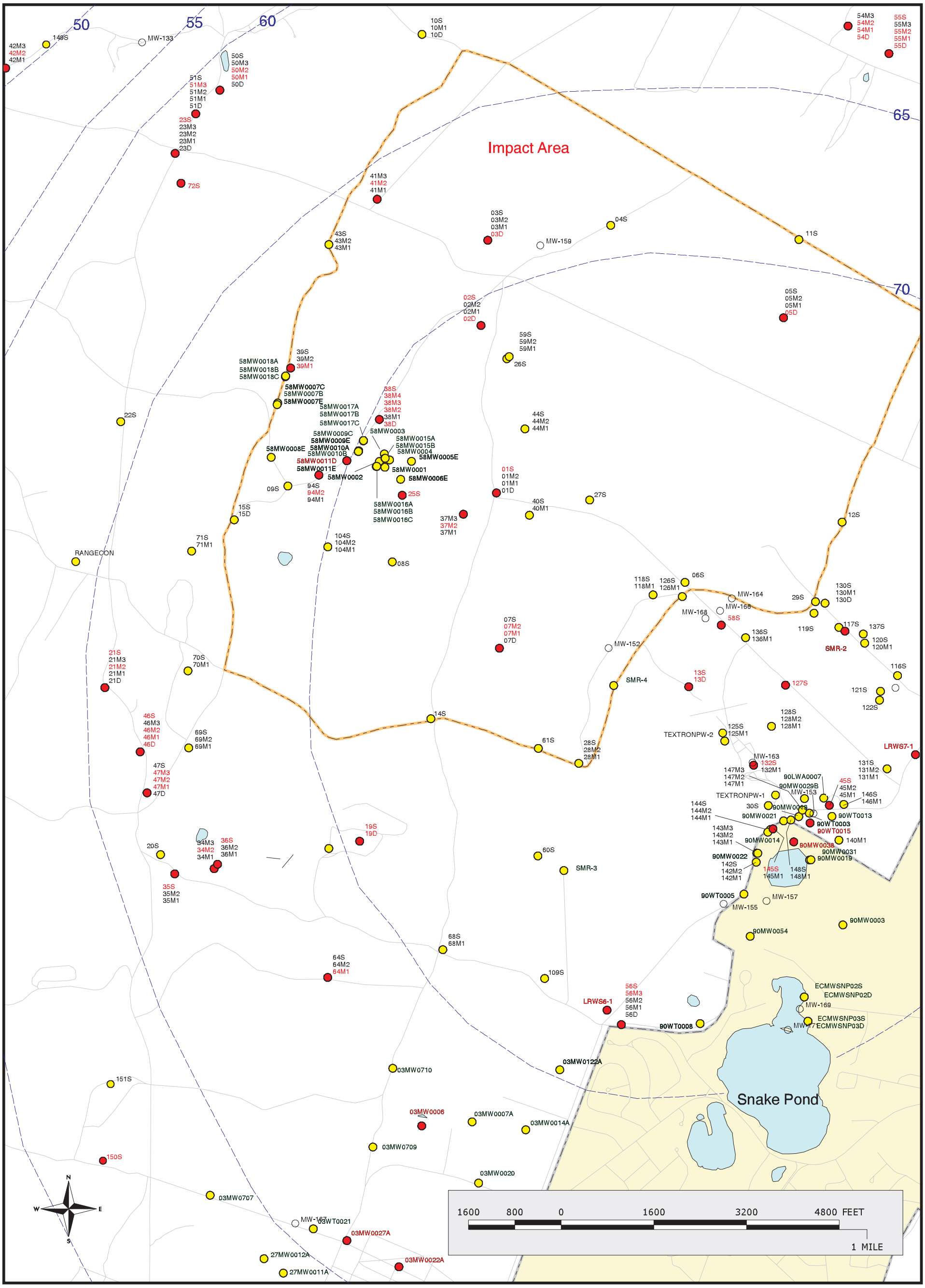
Sources & Notes

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

Figure 2

Metals in Groundwater Compared to MCL/HAs Validated Data as of 05/25/01

Analyte Group
2



LEGEND

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

Sources & Notes

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

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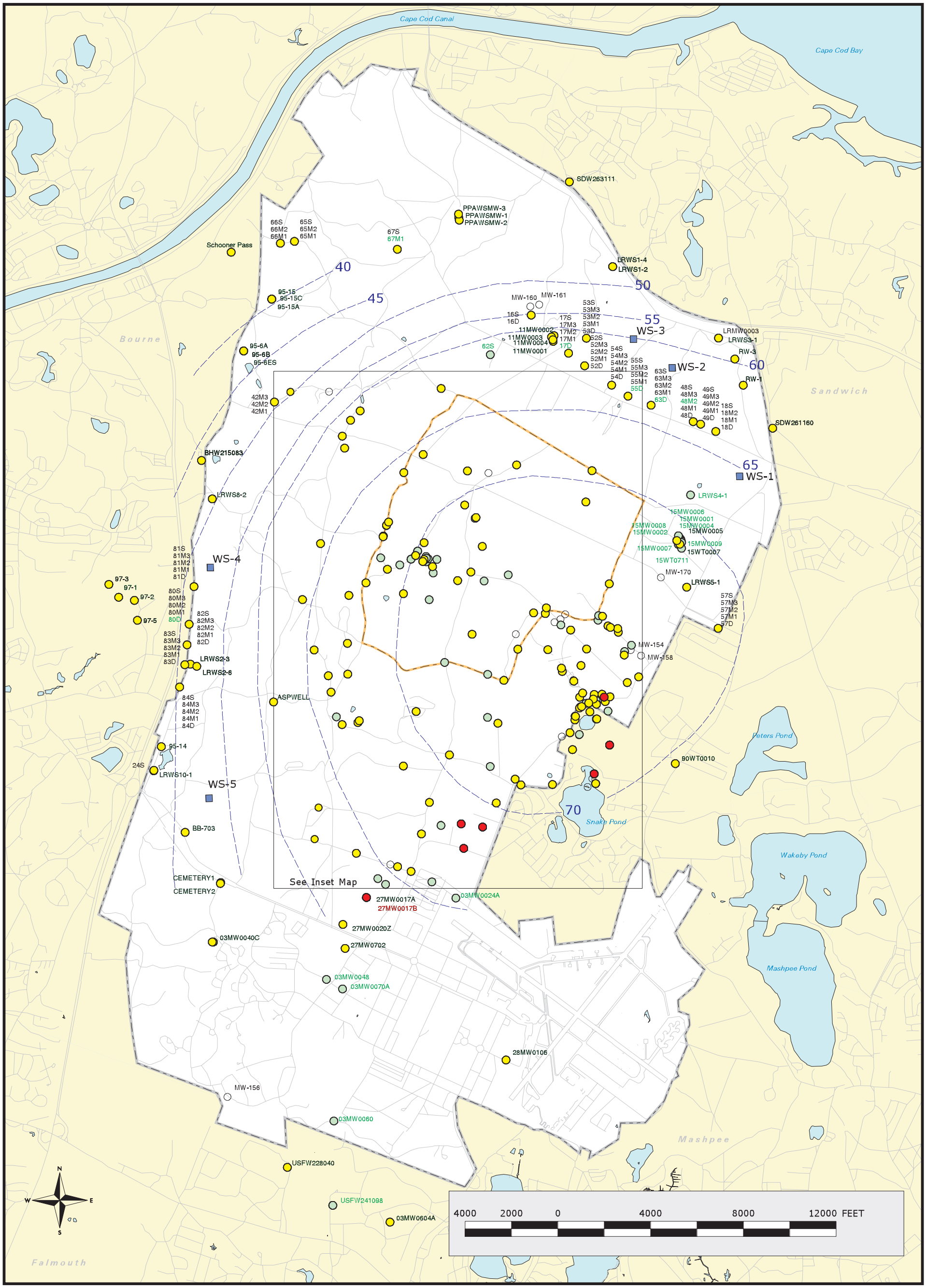
Figure 2 - INSET MAP

Metals in Groundwater Compared to MCL/HAs Validated Data as of 05/25/01

Analyte Group
2



LEGEND

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

Sources & Notes

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

Figure 3

VOCs in Groundwater Compared to MCL/HAs Validated Data as of 05/25/01

Analyte Group
3

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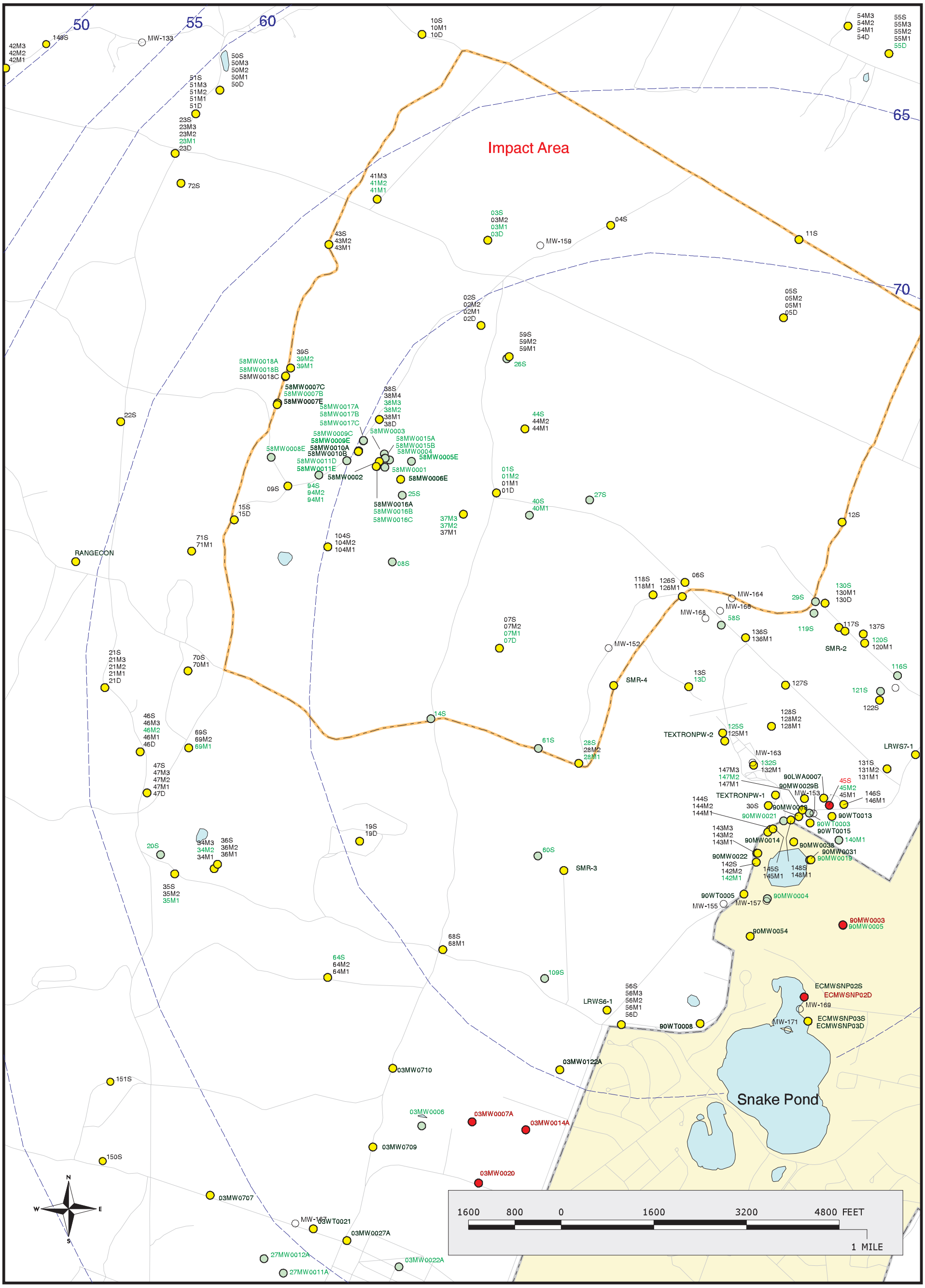

LEGEND

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

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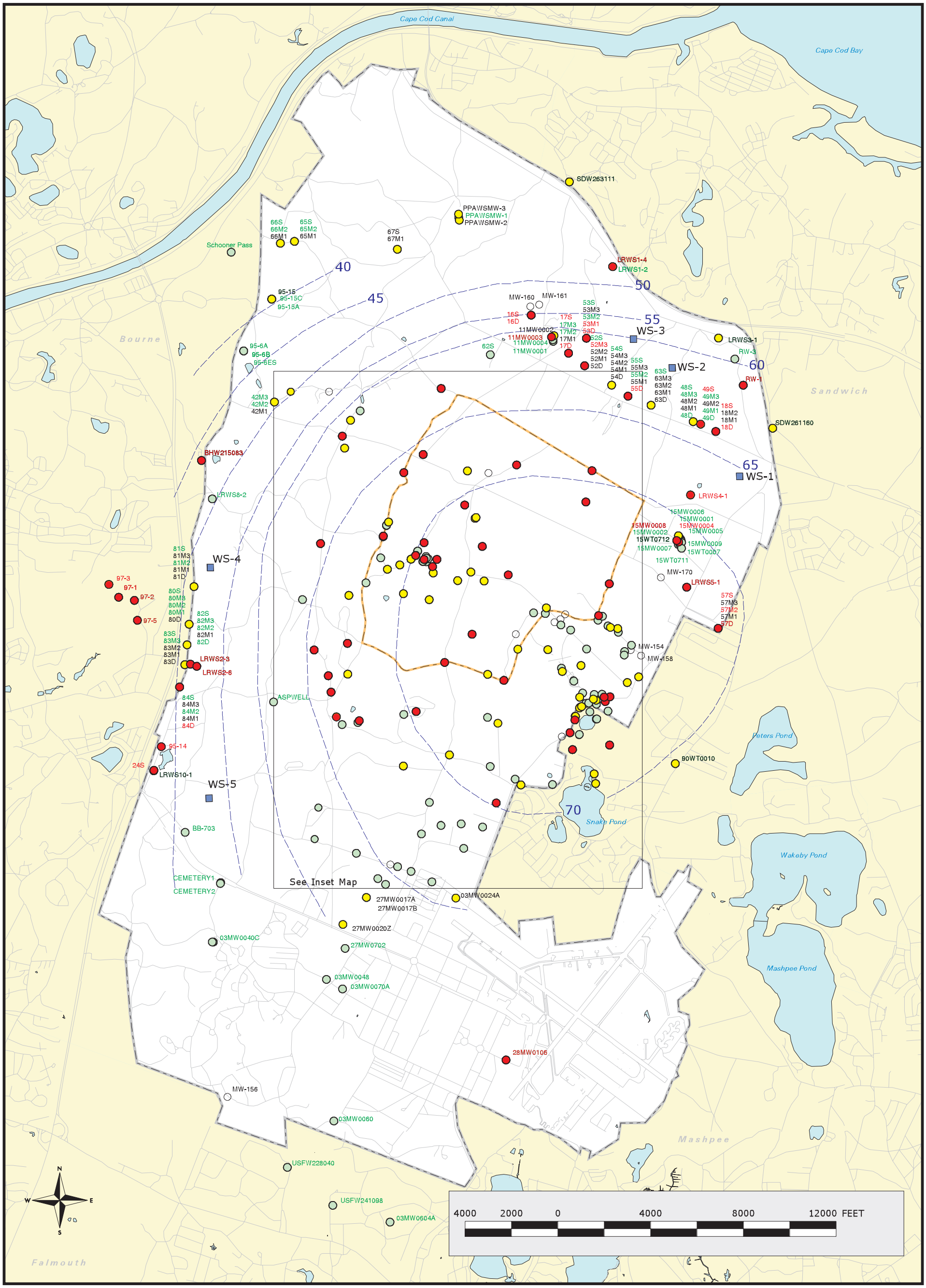
Figure 3 - INSET MAP

VOCs in Groundwater Compared to MCL/HAs Validated Data as of 05/25/01

Analyte Group
3



LEGEND

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

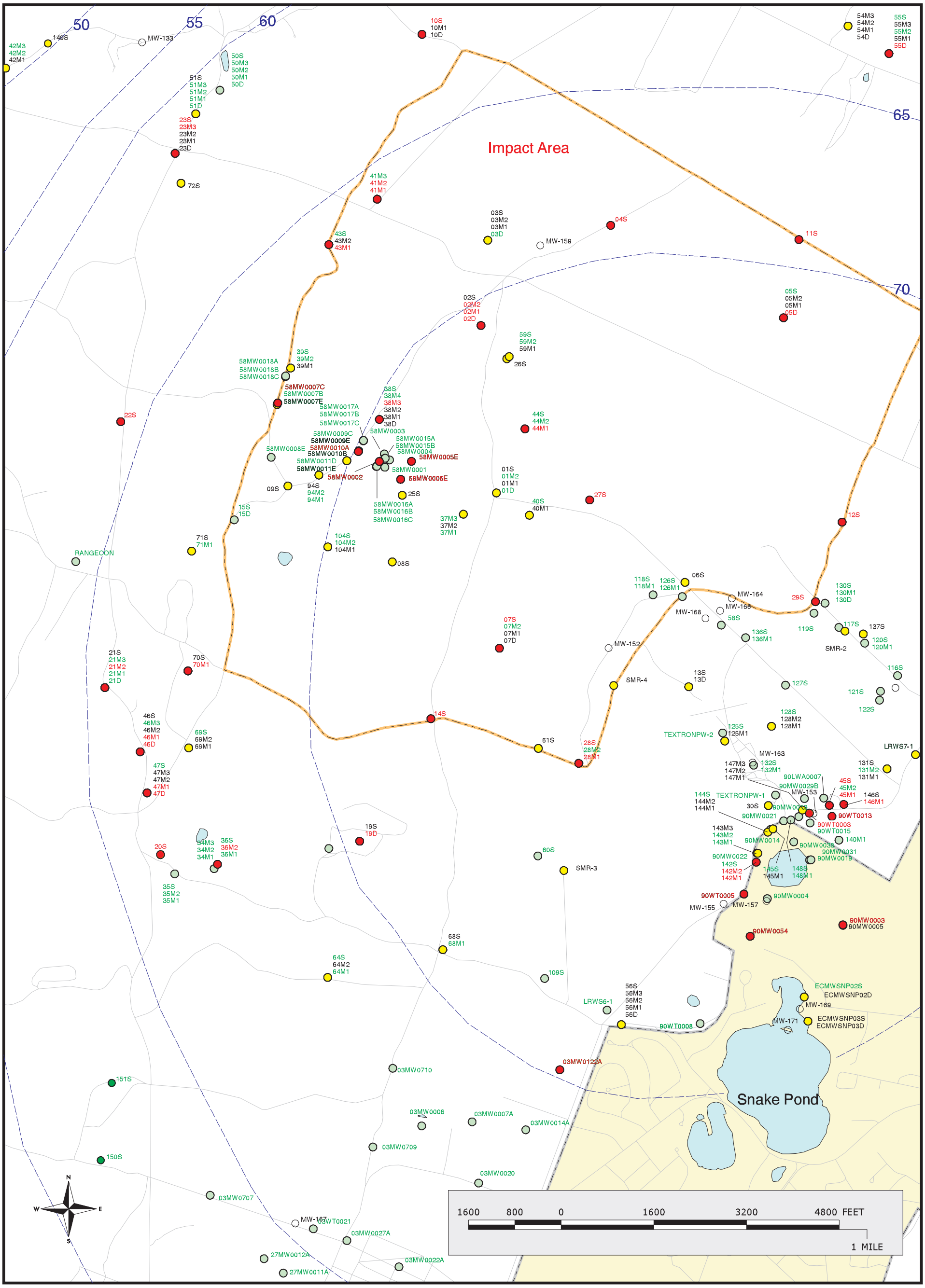
Sources & Notes

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

Figure 4

SVOCs in Groundwater Compared to MCL/HAs Validated Data as of 05/25/01

Analyte Group
4



LEGEND

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

Sources & Notes

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

amec June 05, 2001 DRAFT

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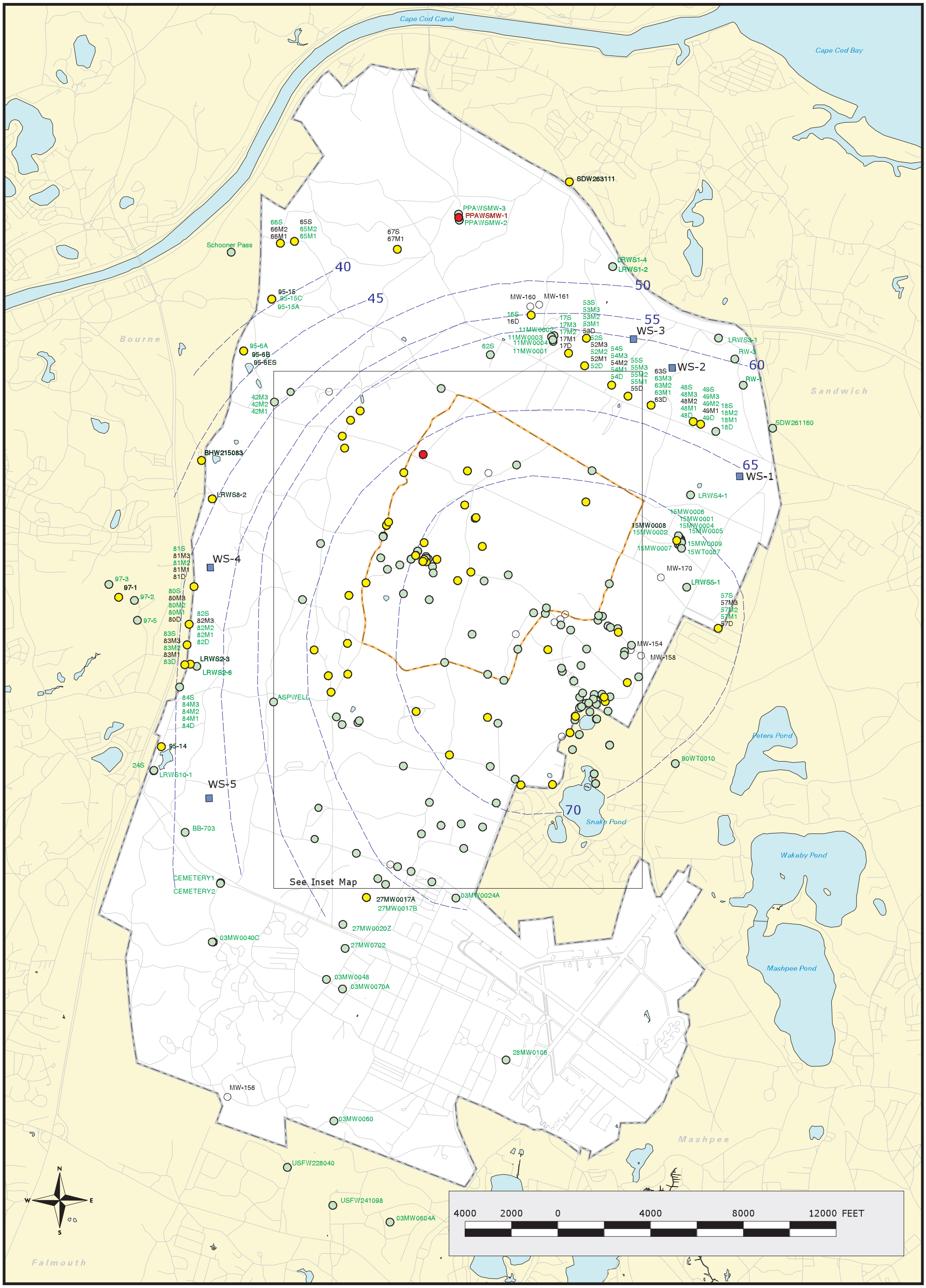
Figure 4 - INSET MAP

SVOCs in Groundwater Compared to MCL/HAs Validated Data as of 05/25/01

Analyte Group
4



LEGEND

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

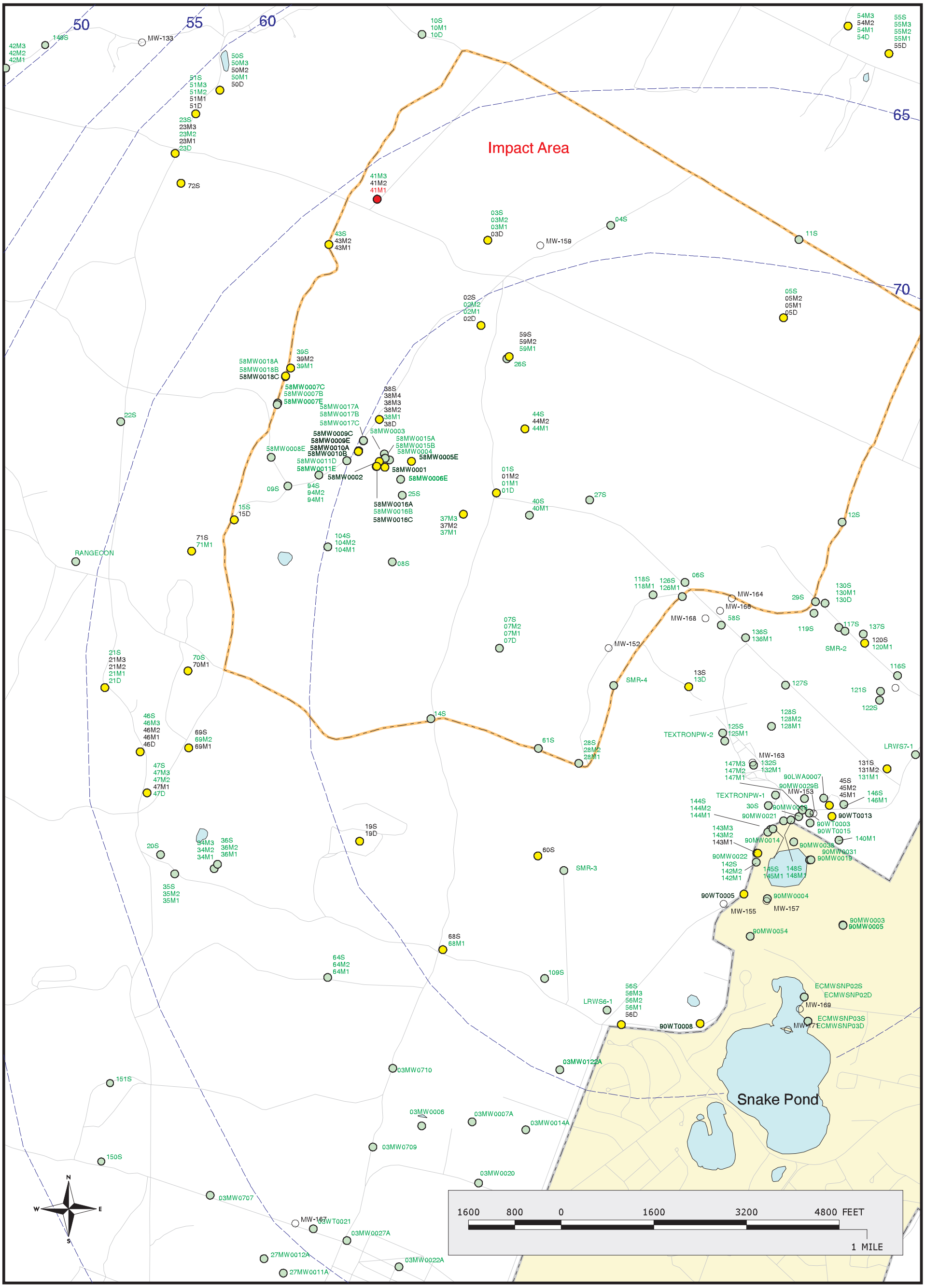
Sources & Notes

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

Figure 5

Herbicides and Pesticides in Groundwater Compared to MCL/HAs Validated Data as of 05/25/01

Analyte Group
5



LEGEND

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

Sources & Notes

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

amec June 05, 2001 DRAFT

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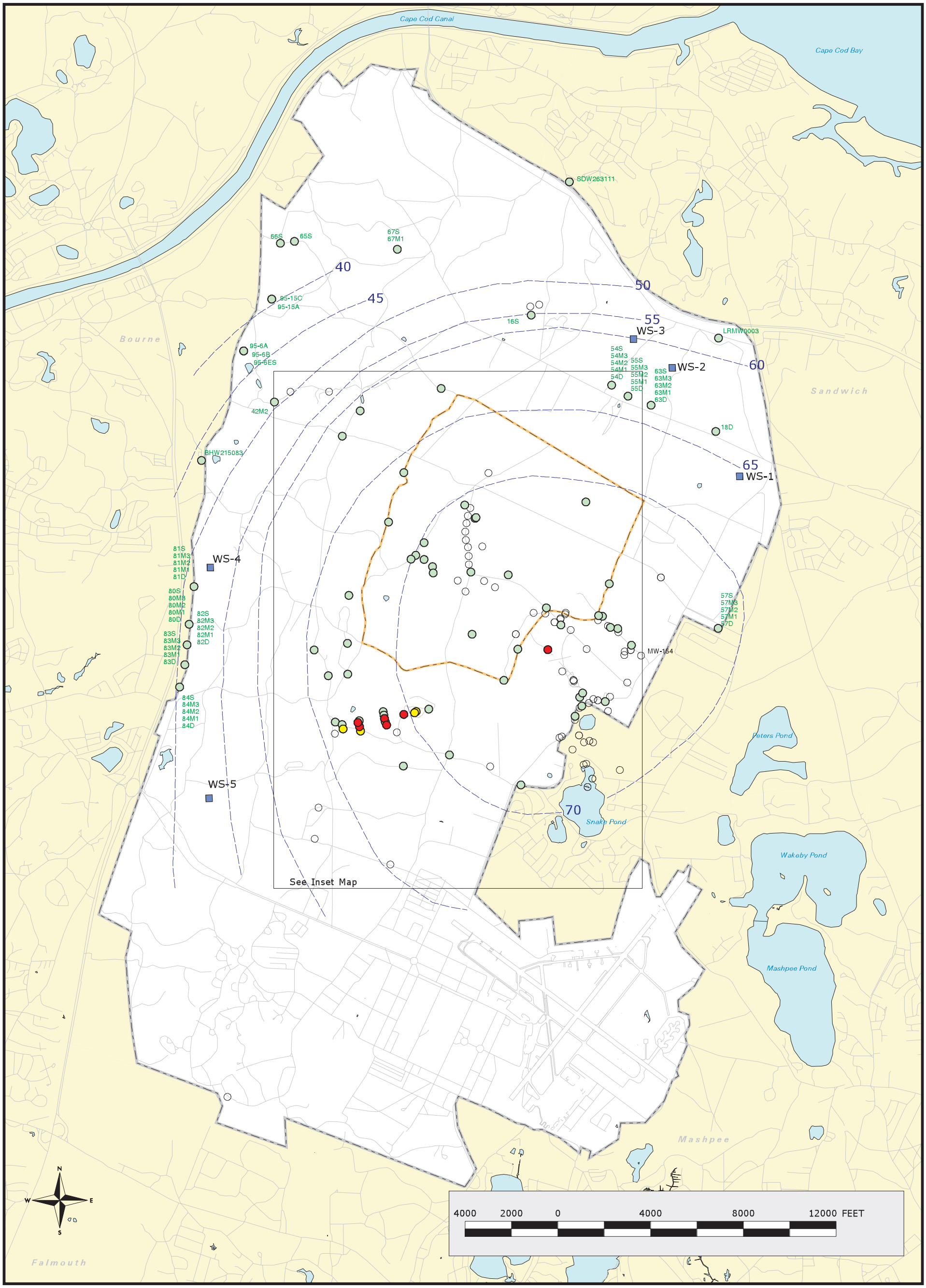
Figure 5 - INSET MAP

Herbicides and Pesticides in Groundwater Compared to MCL/HAs Validated Data as of 05/25/01

Analyte Group
5



LEGEND

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

Sources & Notes

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

amec June 05, 2001 DRAFT

Figure 6

Perchlorate in Groundwater Compared to Safe Exposure Limit Validated Data as of 05/25/01

Analyte Group
6

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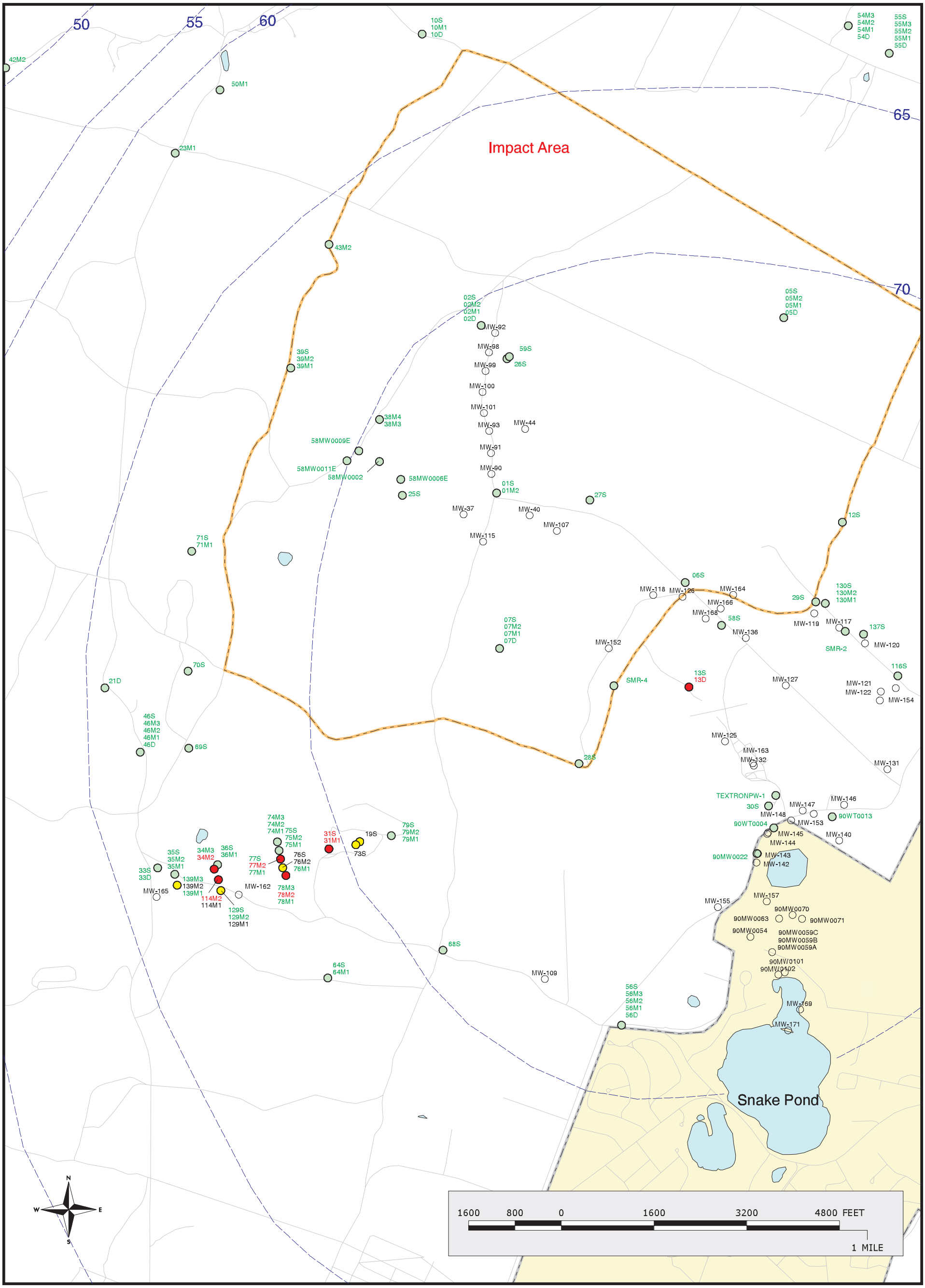

LEGEND

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

Sources & Notes

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

Figure 6 - INSET MAP
Perchlorate in Groundwater
Compared to Safe Exposure Limit
Validated Data as of 05/25/01

Analyte Group
6

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Site Characterization (AO1)					
Demo Area 1					
00110	Demo 1 Soil/GW Investigation		0	14OCT99A	23MAR00A
00120	Demo 1 Soil/GW Report Preparation		0	09MAR00A	08JUN00A
00130	Demo 1 Draft Soil/GW Report	YES	0		08JUN00A
00144	Demo 1 Establish GW COCs		0	22AUG00A	05DEC00A
00146	Demo 1 Rvw/Apprv GW COCs		0	06DEC00A	19DEC00A
00148	Demo 1 Prepare Draft GW Report		0	20DEC00A	18JAN01A
00150	Demo 1 Draft GW Report	YES	0		18JAN01A
00152	Demo 1 Revise Draft GW Report		0	19JAN01A	19APR01A
00154	Demo 1 Final GW Report	YES	0		19APR01A
00160	Demo 1 Geophysics Investigation		0	05JAN00A	15JUN00A
00170	Demo 1 Geophysics Presentation		0		15JUN00A
00175	Start Soil Investigation		0	27JUN00A	
00182	Geophysics Validation		0	24AUG00A	02OCT00A
00180	Soil Investigation		0	27JUN00A	27OCT00A
00181	Soil Analyses & Validation		0	30OCT00A	12JAN01A
00141	Demo 1 Establish Soil COCs		0	12FEB01A	16MAR01A
00142	Demo 1 Rvw/Apprv Soil COCs		0	19MAR01A	15MAY01A
00156	Demo 1 Prepare Draft Soil Report		3	26FEB01A	08JUN01
00157	Demo 1 Draft Soil Report	YES	0		08JUN01
00158	Demo 1 Revise Draft Soil Report		65	11JUN01	11SEP01
00159	Demo 1 Final Soil Report	YES	0		11SEP01
Central Impact Area					
00210	Impact Area Planning		0	23AUG99A	24JAN00A
00220	Impact Area Start Data Collection	YES	0	05JAN00A	
00230	Impact Area Investigation		0	05JAN00A	27JUL00A
00272	Response Plan Preparation		0	03MAY00A	31AUG00A
00274	Response Plan Investigation		0	14JUN00A	20DEC00A
00276	Response Plan Report Prep.		0	27NOV00A	28FEB01A
00278	Response Plan Draft Report (GW)	YES	0		28FEB01A
00280	Response Plan Revise Draft Report		6	01MAR01A	13JUN01
00282	Response Plan Final Report (GW)	YES	0		13JUN01
00286	Prepare Draft Soil Report		29	09APR01A	17JUL01
00288	Submit Draft Soil Report	YES	0		17JUL01
00290	Revise Draft Soil Report		65	18JUL01	17OCT01
00292	Final Soil Report	YES	0		17OCT01
J-2 Range					
00310	J-2 Range Planning		0	08FEB00A	07APR00A
00320	J-2 Range Draft Workplan	YES	0		07APR00A
00330	J-2 Range Rev. Draft Workplan		0	10APR00A	01AUG00A
00340	J-2 Range Final Workplan		0		01AUG00A
00350	J-2 Range Start Data Collection	YES	0	05JUL00A	
00360	J-2 Range Investigation		0	05JUL00A	01DEC00A
00365	J-2 Range Geophysics Survey		0	15MAY00A	28MAR01A
00367	J-2 Range Geophysics Prsntatn.		0		19APR01A
00370	J-2 Range Report Preparation		0	16NOV00A	16MAR01A

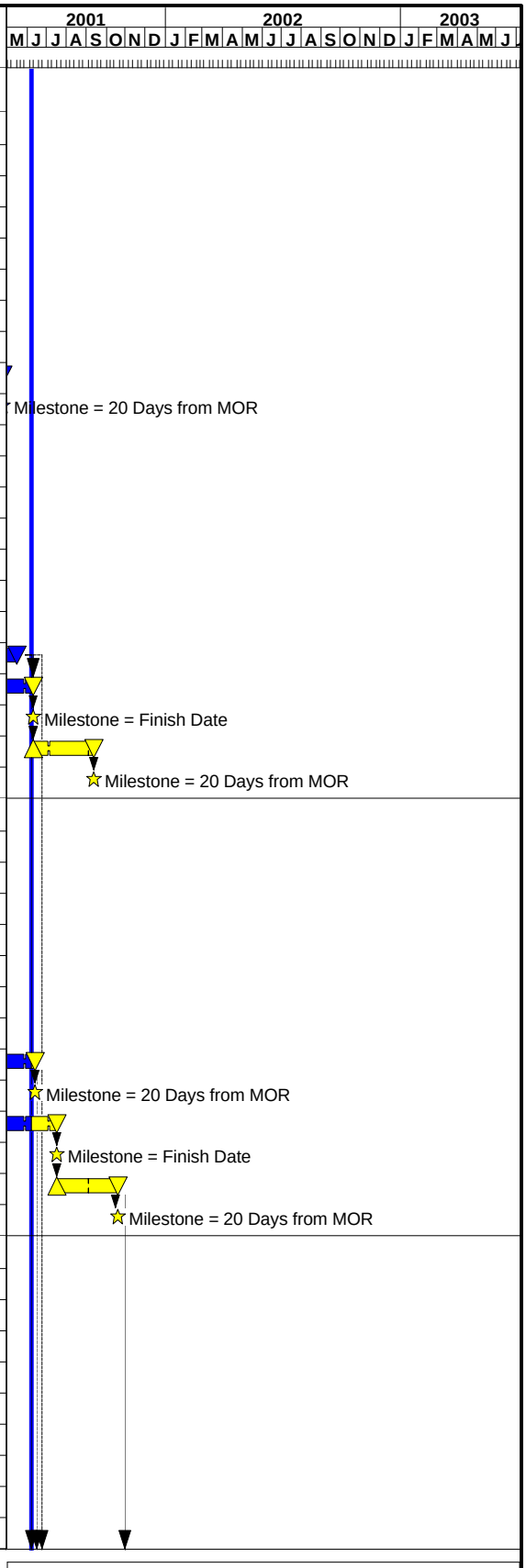

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Figure 7. Combined Schedule for Impact Area Groundwater Study Prgrm as of 6/6/01

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Date	Revision	Checked	Approved

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
J-2 Range					
00380	J-2 Range Draft Report	YES	0		16MAR01A
00390	J-2 Range Revise Draft Report		3	19MAR01A	08JUN01
00391	J-2 Range Final Report	YES	0		08JUN01
00392	Additional Delineation Planning		0	04DEC00A	21MAY01A
00393	Additional Delineation Investigation		59	22MAY01A	28AUG01
00394	Additional Delineation Report Prep.		65	14AUG01	13NOV01
00395	Additional Delineation Draft Report	YES	0		13NOV01
00396	Additional Delineation Rev. Draft Report		65	14NOV01	18FEB02
00397	Additional Delineation Final Report	YES	0		18FEB02
J-1/J-3 Range					
00410	J-1/J-3 Range Planning		0	06DEC99A	21APR00A
00420	J-1/J-3 Range Draft Workplan	YES	0		21APR00A
00430	J-1/J-3 Range Rev. Draft Workplan		0	24APR00A	25AUG00A
00440	J-1/J-3 Range Final Workplan		0		25AUG00A
00450	J-1/J-3 Range Start Data Cllctn	YES	0	26JUL00A	
00460	J-1/J-3 Range Investigation		18	26JUL00A	29JUN01
00465	J-1/J-3 Range Geophys. Investigation		0	15MAY00A	20MAR01A
00467	J-1/J-3 Range Geophys. Presentation		0		15JUN01*
00470	J-1/J-3 Range Report Preparation		64	22JAN01A	05SEP01
00475	J-1/J-3/L Range Interim Results Report	YES	0		30MAR01A
00480	J-1/J-3 Range Draft Report	YES	0		05SEP01
00490	J-1/J-3 Range Rev. Draft Report		65	06SEP01	07DEC01
00491	J-1/J-3 Range Final Report	YES	0		07DEC01
00492	Additional Delineation Planning		32	26APR01A	20JUL01
00493	Additional Delineation Investigation		88	06JUL01	07NOV01
00494	Additional Delineation Report Prep.		70	24OCT01	04FEB02
00495	Additional Delineation Draft Report	YES	0		04FEB02
00496	Additional Delineation Rev. Draft Report		65	05FEB02	06MAY02
00497	Additional Delineation Final Report	YES	0		06MAY02
Gun/Mortar Positions					
00510	Gun/Mortar Investigation		0	30AUG99A	17APR00A
00515	Gun/Mortar Geophys. Presentation		0		23MAR00A
00520	Gun/Mortar Report Preparation		0	24MAR00A	07JUL00A
00530	Gun/Mortar Draft Report	YES	0		07JUL00A
00540	Gun/Mortar Report MOR		0	10JUL00A	16NOV00A
00542	Gun/Mortar Establish COCs		0	16FEB01A	06JUN01A
00546	Gun/Mortar Prepare Draft Final Report		40	06JUN01	01AUG01
00548	Gun/Mortar Draft Final Report	YES	0		01AUG01
00549	Gun/Mortar Rev. Draft Final		65	02AUG01	01NOV01
00550	Gun/Mortar Final Report	YES	0		01NOV01
+ Trenches, Bunkers, Ground Scars					
			0	04OCT99A	18SEP00A
+ Mortar Targets					
			0	04OCT99A	16NOV00A
Training Areas					
00810	Training Areas Planning		0	01APR99A	22JUL99A

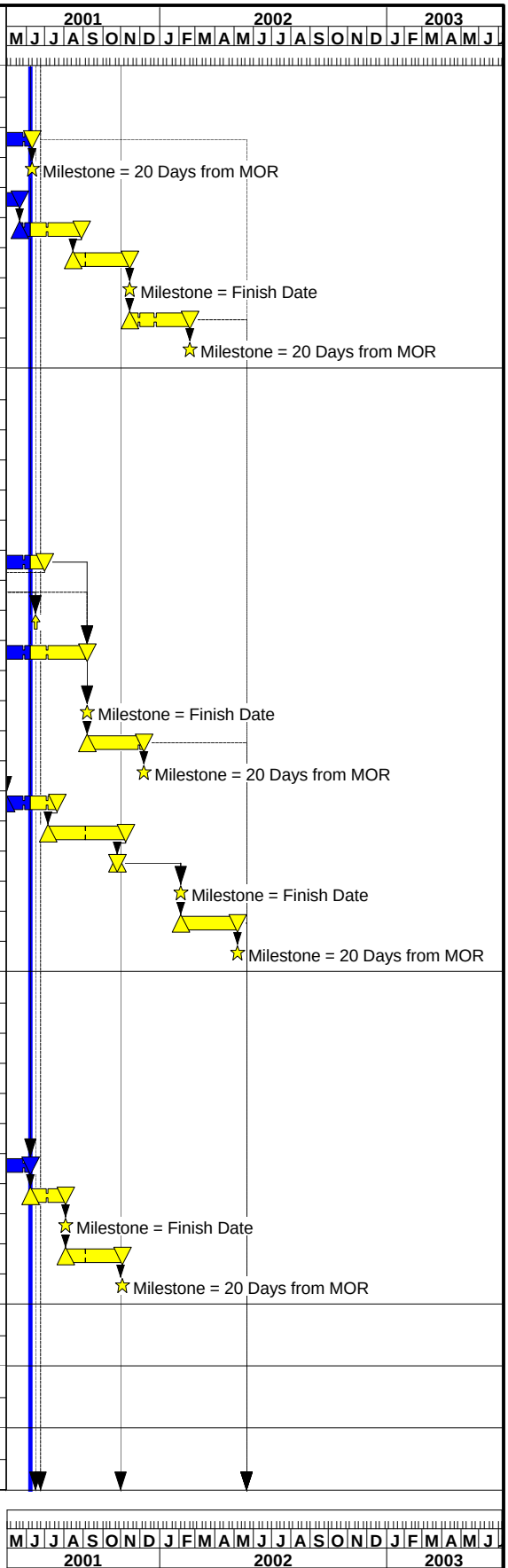

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Figure 7. Combined Schedule for Impact Area Groundwater Study Prgrm as of 6/6/01

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Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Training Areas					
00820	Training Areas Draft Workplan		0		22JUL99A
00830	Training Areas Rev. Draft Workplan		0	23JUL99A	23MAR00A
00840	Training Areas Final Workplan	YES	0		23MAR00A
00850	Training Areas Start Data Cllctn	YES	0	20MAR00A	
00860	Training Areas Investigation		51	20MAR00A	16AUG01
00870	Training Areas Report Preparation		62	03AUG01	30OCT01
00880	Training Areas Draft Report	YES	0		30OCT01
00890	Training Areas Rev. Draft Report		65	31OCT01	04FEB02
00895	Training Areas Final Report	YES	0		04FEB02
+ KD/U Ranges					
			0	10MAY99A	16JUN00A
+ J-3 Wetland					
			0	15APR99A	20JUL00A
+ High Use Target Area 1					
			0	10JAN00A	18MAY01A
+ Water Bodies					
			0	19NOV99A	13JUL00A
+ Slit Trench					
			0	01MAY00A	27JUL00A
+ Impact Area Targets					
			0	24APR00A	18APR01A
Phase II(b)					
01500	Phase II(b) Draft Workplans		0	01JUN00A	31AUG00A
01510	Revise Draft Workplans		0	01SEP00A	16NOV00A
01520	Phase II(b) Final Workplans		0		17NOV00A
01530	Phase II(b) Investigations		22	15JAN01A	06JUL01
01540	Phase II(b) Report Preparation		53	29MAY01A	20AUG01
01550	Phase II(b) Draft Report	YES	0		20AUG01
01560	Revise Draft Report		65	21AUG01	20NOV01
01570	Phase II(b) Final Report	YES	0		20NOV01
+ Fate and Transport Modeling					
			0	01JAN99A	19DEC00A
Groundwater Monitoring Programs					
08100	Water Supply (Qrtrly & Annual)	YES	0	12JUL99A	29DEC00A
08110	Phase I Wells	YES	0	01SEP97A	30NOV99A
08120	Far Field Group 1 Wells	YES	0	17FEB99A	22NOV99A
08130	Supplemental IRP Wells	YES	0	08APR99A	04FEB00A
08140	Phase II (a) Wells	YES	0	30MAR99A	11MAY00A
08150	Far Field Group 2 Wells	YES	0	21SEP99A	14APR00A
08160	Far Field New Group 2 Wells		0	21OCT99A	07JUL00A
08170	Gun/Mortar Position Wells	YES	0	01NOV99A	04MAY00A
08180	Demo 1 1999 Response Wells		0	20JAN00A	03AUG00A
08190	Impact Area 2000 Response Wells		39	28APR00A	31JUL01
08200	CY 2000 Interim LT Monitoring		0	02MAY00A	29DEC00A
08210	CY 2001 Interim LT Monitoring		143	26APR01A	31DEC01

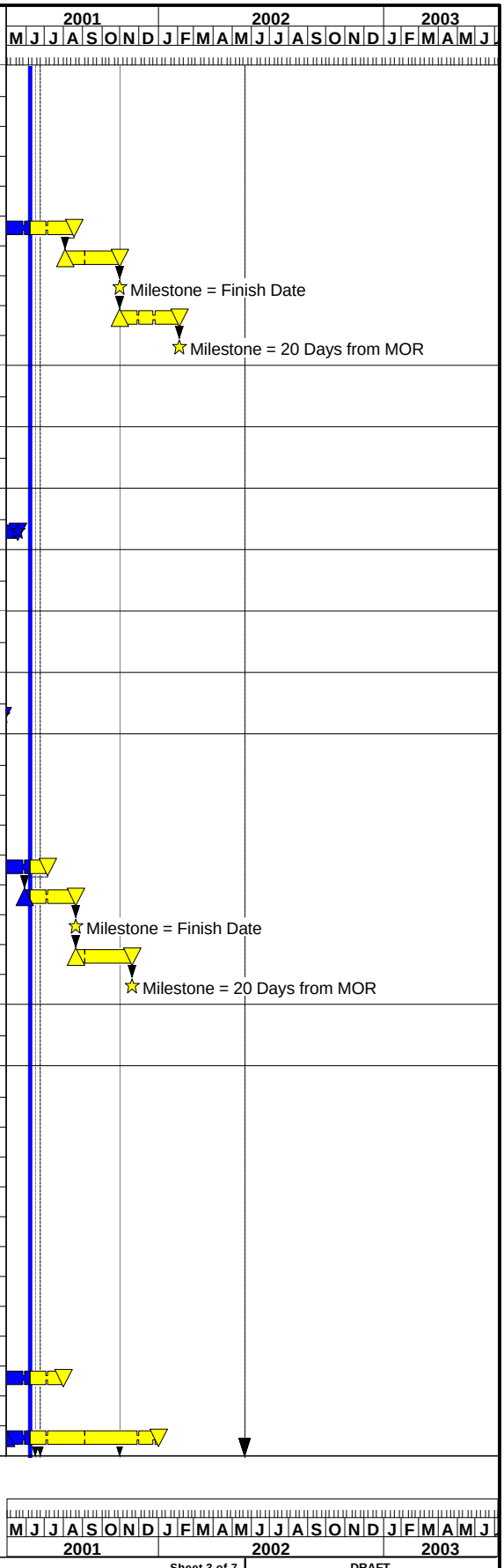

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Figure 7. Combined Schedule for Impact Area Groundwater Study Prgrm as of 6/6/01

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Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
+ Analytical Methods					
			0	05NOV98A	26JUN00A
Reports					
09160	Phase II Interim Results Preparation		0	01SEP99A	01NOV99A
09170	Phase II Interim Results Report		0		01NOV99A
09180	Background GW Report Prep		0	01NOV99A	10DEC99A
09190	Draft Background GW Report		0		10DEC99A
09200	Draft ILTGM Plan Preparation		0	06JAN00A	01MAR00A
09210	Draft ILTGM Plan		0		02MAR00A
09220	Revise Draft ILTGM Plan		0	02MAR00A	18AUG00A
09230	Final ILTGM Plan		0		18AUG00A
09290	Draft Geophysics Report	YES	0	30OCT00A	
09300	Revise Draft Geophysics Report		28	30OCT00A	16JUL01
09310	Final Geophysics Report	YES	0		16JUL01
09330	Submit Draft Revised ASR	YES	0		31JUL01
Rapid Response Actions (AO3)					
+ Group 1 (KD, J-3, GP-16, APC)					
			0	31JAN00A	30APR01A
Feasibility Studies (AO3)					
+ FS Workplan					
			0	14FEB00A	15FEB01A
Demo Area 1					
Soil Operable Unit					
21170	FS Screening Report Preparation		13	19MAR01A	22JUN01
21180	Draft FS Screening Report	YES	0		22JUN01
21190	Revise Draft FS Screening Report		65	25JUN01	25SEP01
21200	Final FS Screening Report	YES	0		25SEP01
21210	Post-Screening Invest. Workplan Prep.		22	28AUG01	27SEP01
21220	Draft Post-Screening Invest. Workplan	YES	0		27SEP01
21230	Revise Draft PSI Workplan		65	28SEP01	02JAN02
21240	Final Post-Screening Workplan		0		02JAN02
21250	Start Post-Screening Investigation	YES	0	04DEC01	
21260	Post-Screening Investigation		80	04DEC01	27MAR02
21310	FS Preparation		40	28MAR02	22MAY02
21320	Draft FS	YES	0		22MAY02
21330	Revise Draft FS		65	23MAY02	21AUG02
21340	Final FS	YES	0		21AUG02
21350	(Draft FS if no PSI)		40	28AUG01	23OCT01
21360	(Final FS if no PSI)		65	24OCT01	28JAN02
Groundwater Operable Unit					
21510	FS Screening Report Preparation		0	06DEC00A	31JAN01A
21520	Draft FS Screening Report	YES	0		31JAN01A
21530	Revise Draft FS Screening Report		0	01FEB01A	05JUN01A
21540	Final FS Screening Report	YES	0		05JUN01A
21610	ITE Treatability Studies		38	21MAR01A	30JUL01
21650	FS Preparation		40	31JUL01	25SEP01
21660	Draft FS	YES	0		25SEP01

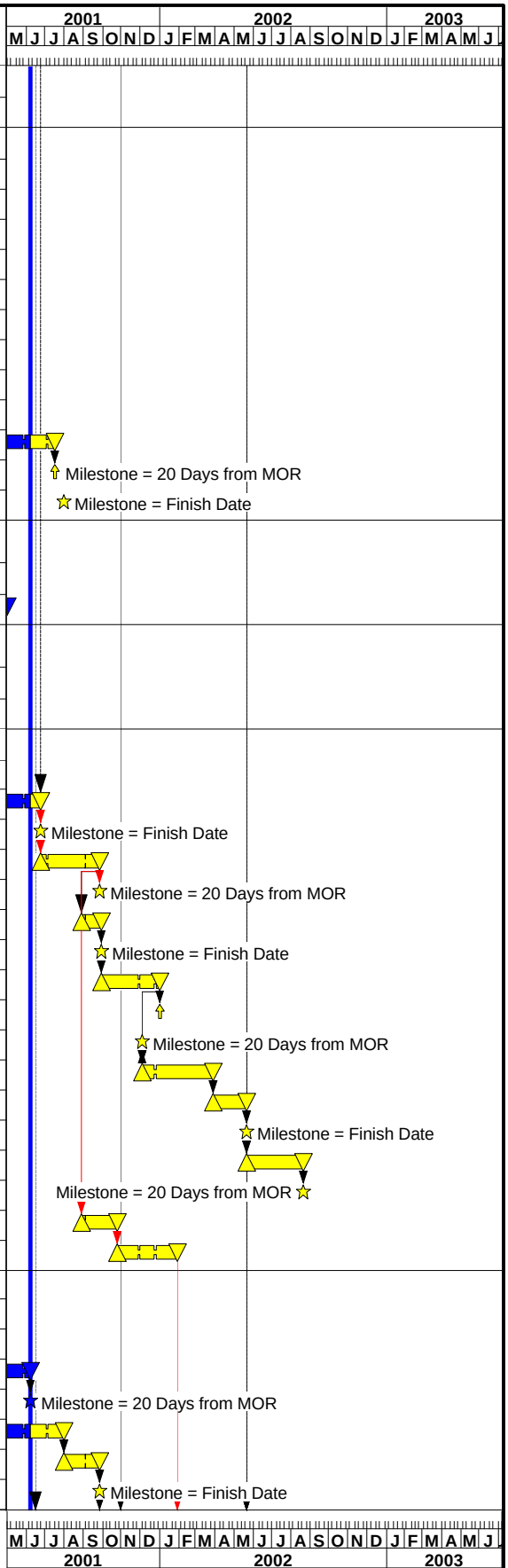

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Figure 7. Combined Schedule for Impact Area Groundwater Study Prgrm as of 6/6/01

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Date	Revision	Checked	Approved

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
Groundwater Operable Unit					
21670	Revise Draft FS		65	26SEP01	31DEC01
21680	Final FS	YES	0		31DEC01
Central Impact Area					
Soil Operable Unit					
22110	FS Screening Report Preparation		40	06SEP01	31OCT01
22120	Draft FS Screening Report	YES	0		31OCT01
22130	Revise Draft FS Screening Report		65	01NOV01	05FEB02
22140	Final FS Screening Report	YES	0		05FEB02
22150	Post-Screening Invest. Workplan Prep.		22	30JAN02	28FEB02
22160	Draft Post-Screening Invest. Workplan	YES	0		28FEB02
22170	Revise Draft PSI Workplan		65	01MAR02	30MAY02
22180	Final Post-Screening Workplan		0		30MAY02
22190	Start Post-Screening Investigation	YES	0	03MAY02	
22200	Post-Screening Investigation		80	03MAY02	22AUG02
22210	FS Preparation		40	23AUG02	17OCT02
22220	Draft FS	YES	0		17OCT02
22230	Revise Draft FS		65	18OCT02	16JAN03
22240	Final FS	YES	0		16JAN03
22250	(Draft FS if no PSI)		40	09JAN02	05MAR02
22260	(Final FS if no PSI)		65	06MAR02	04JUN02
Groundwater Operable Unit					
22300	FS Screening Report Preparation		7	19APR01A	14JUN01
22310	Draft FS Screening Report	YES	0		14JUN01
22320	Revise Draft FS Screening Report		65	15JUN01	17SEP01
22330	Final FS Screening Report	YES	0		17SEP01
22340	Post-Screening Invest. Workplan Prep.		22	20AUG01	19SEP01
22350	Draft Post-Screening Invest. Workplan	YES	0		19SEP01
22360	Revise Draft PSI Workplan		65	20SEP01	21DEC01
22370	Final Post-Screening Workplan		0		21DEC01
22380	Start Post-Screening Investigation	YES	0	22NOV01	
22390	Post-Screening Investigation		80	22NOV01	19MAR02
22400	FS Preparation		40	20MAR02	14MAY02
22410	Draft FS	YES	0		14MAY02
22420	Revise Draft FS		65	15MAY02	13AUG02
22430	Final FS	YES	0		13AUG02
22440	(Draft FS if no PSI)		40	20AUG01	15OCT01
22450	(Final FS if no PSI)		65	16OCT01	18JAN02
SE Corner of Ranges					
23110	FS Screening Report Preparation		40	26MAR02	20MAY02
23120	Draft FS Screening Report	YES	0		20MAY02
23130	Revise Draft FS Screening Report		60	21MAY02	12AUG02
23140	Final FS Screening Report	YES	0		12AUG02
23150	Post-Screening Invest. Workplan Prep.		22	06AUG02	04SEP02
23160	Draft Post-Screening Invest. Workplan	YES	0		04SEP02
23170	Revise Draft PSI Workplan		60	05SEP02	27NOV02
23180	Final Post-Screening Workplan		0		27NOV02
23190	Start Post-Screening Investigation	YES	0	21NOV02	

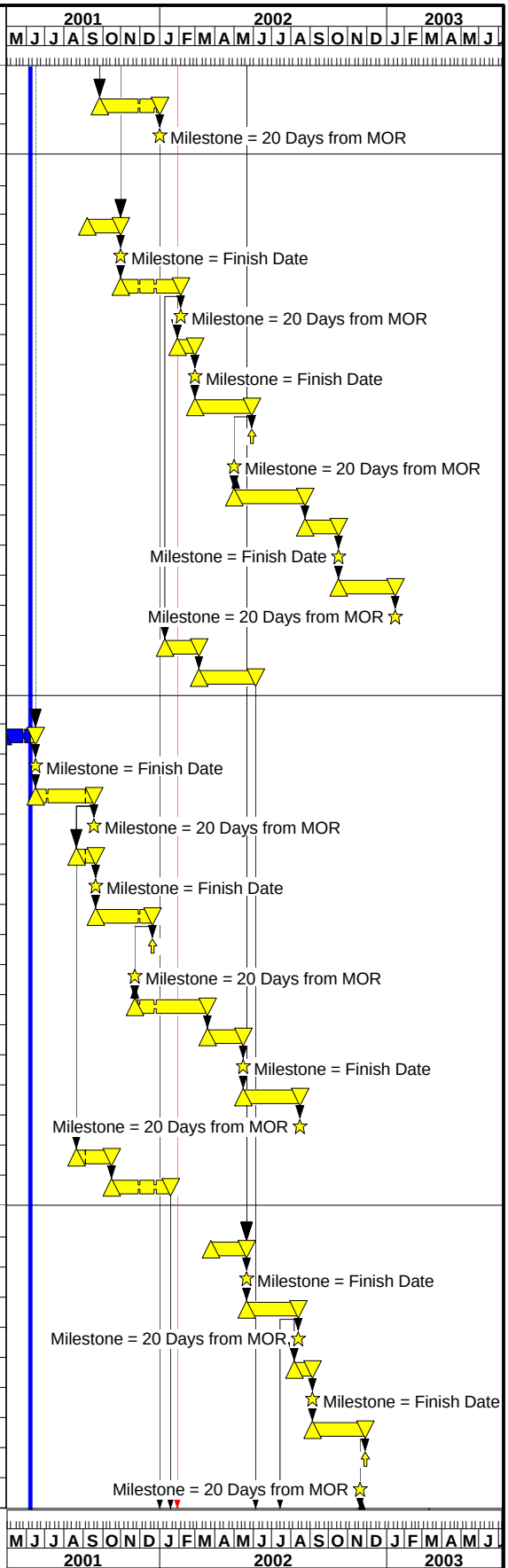

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Figure 7. Combined Schedule for Impact Area Groundwater Study Prgrm as of 6/6/01

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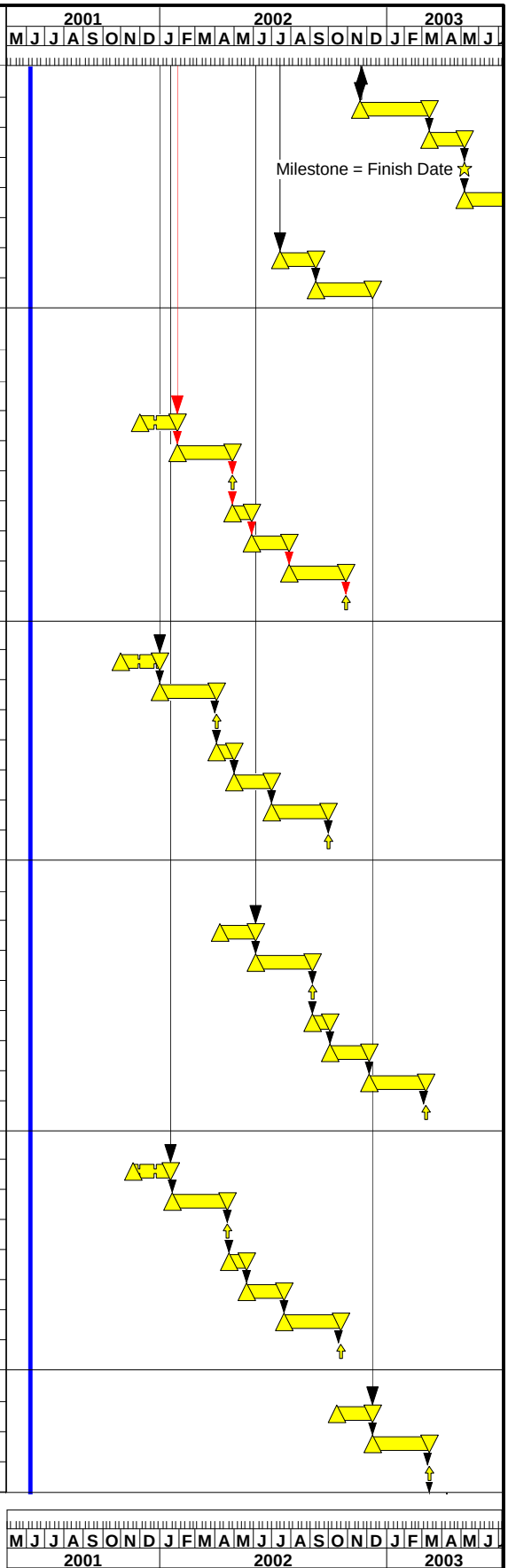
Date	Revision	Checked	Approved

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
SE Corner of Ranges					
23200	Post-Screening Investigation		80	21NOV02	12MAR03
23210	FS Preparation		40	13MAR03	07MAY03
23220	Draft FS	YES	0		07MAY03
23230	Revise Draft FS		60	08MAY03	30JUL03
23240	Final FS	YES	0		30JUL03
23250	(Draft FS if no PSI)		40	16JUL02	09SEP02
23260	(Final FS if no PSI)		65	10SEP02	09DEC02
Remedy Selection (AO3)					
Demo Area 1					
Soil Operable Unit (if no PSI)					
31110	Prepare Draft Remedy Selection Plan		40	30NOV01	28JAN02
31120	Revise Draft Remedy Selection Plan		65	29JAN02	29APR02
31130	Remedy Selection Plan		0		29APR02
31140	Public Comment Period		21	30APR02	28MAY02
31150	Draft Decision Doc/ Response		44	29MAY02	29JUL02
31160	Revise Draft DD/RS		65	30JUL02	28OCT02
31170	Final Decision Doc/ Response		0		28OCT02
Groundwater Operable Unit					
31510	Prepare Draft Remedy Selection Plan		40	31OCT01	31DEC01
31520	Revise Draft Remedy Selection Plan		65	01JAN02	01APR02
31530	Remedy Selection Plan		0		01APR02
31540	Public Comment Period		21	02APR02	30APR02
31550	Draft Decision Doc/ Response		44	01MAY02	01JUL02
31560	Revise Draft DD/RS		65	02JUL02	30SEP02
31570	Final Decision Doc/ Response		0		30SEP02
Central Impact Area					
Soil Operable Unit (if no PSI)					
32110	Prepare Draft Remedy Selection Plan		40	10APR02	04JUN02
32120	Revise Draft Remedy Selection Plan		65	05JUN02	03SEP02
32130	Remedy Selection Plan		0		03SEP02
32140	Public Comment Period		21	04SEP02	02OCT02
32150	Draft Decision Doc/ Response		44	03OCT02	03DEC02
32160	Revise Draft DD/RS		65	04DEC02	04MAR03
32170	Final Decision Doc/ Response		0		04MAR03
Groundwater Operable Unit (if no PSI)					
32510	Prepare Draft Remedy Selection Plan		40	20NOV01	18JAN02
32520	Revise Draft Remedy Selection Plan		65	21JAN02	19APR02
32530	Remedy Selection Plan		0		19APR02
32540	Public Comment Period		21	22APR02	20MAY02
32550	Draft Decision Doc/ Response		44	21MAY02	19JUL02
32560	Revise Draft DD/RS		65	22JUL02	18OCT02
32570	Final Decision Doc/ Response		0		18OCT02
SE Corner of Ranges (if no PSI)					
33110	Prepare Draft Remedy Selection Plan		40	15OCT02	09DEC02
33120	Revise Draft Remedy Selection Plan		65	10DEC02	10MAR03
33130	Remedy Selection Plan		0		10MAR03



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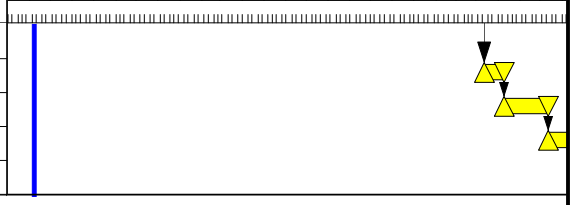
Date	Revision	Checked	Approved

Activity ID	Activity Description	ENF MILE	REM DUR	Start	Finish
SE Corner of Ranges (if no PSI)					
33140	Public Comment Period		21	11MAR03	08APR03
33150	Draft Decision Doc/ Response		44	09APR03	09JUN03
33160	Revise Draft DD/RS		65	10JUN03	08SEP03
33170	Final Decision Doc/ Response		0		08SEP03



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