WEEKLY PROGRESS UPDATE
FOR SEPTEMBER 3 – SEPTEMBER 7, 2001

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

The following summary of progress is for the period from September 3 to September 7, 2001.

1. SUMMARY OF ACTIONS TAKEN

Drilling progress as of September 7 is summarized in Table 1.

Table 1. Drilling progress as of September 7, 2001

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-177	Central Impact Area Well (CIAP-7)	390	203	278-288
MW-178	Central Impact Area Well (CIAP-3)	335	195	
MW-179	Central Impact Area Well (CIAP-1)	338	198	
MW-180	Central Impact Area Well (CIAP-6)	355	199	300-310

Bgs = below ground surface
Bwt = below water table

Completed well installation of MW-177 (CIAP-7) and MW-180 (CIAP-6). Completed drilling of MW-178 (CIAP-3) and continued drilling of MW-179 (CIAP-1).

Samples collected during the reporting period are summarized in Table 2. Groundwater profile samples were collected from MW-179 (CIAP-1) and MW-180 (CIAP-6). Groundwater samples were collected as part of the August Long Term Groundwater Monitoring round.

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

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

Attendees

Dave Hill (IAGWSPO)	Karen Wilson (IAGWSPO)	Bill Gallagher (IAGWSPO)
Tina Dolen (IAGWSPO)	LTC Bill Fitzpatrick (MAARNG)	Mike Jasinski (EPA-phone)
Jane Dolan (EPA)	Todd Borci (EPA)	Len Pinaud (MADEP)
Mark Panni (MADEP)	COL Albert Bleakley (JPO)	Darrell Deleppo (ACE)
Gina Tyo (ACE)	Rob Foti (ACE)	Ed Wise (ACE)
Ellen Iorio (ACE)	Marc Grant (AMEC)	Scott Veenstra (AMEC-phone)
John Rice (AMEC)	Kim Harriz (AMEC)	Larry Hudgins (Tetra Tech)
Leo Montroy (Tt–phone)	Susan Stewart (Tt-phone)	Dave Williams (MDPH)
Adam Balogh (TRC-phone)	Ken Gaynor (Jacobs)	

Field Data

- Marc Grant (AMEC) distributed analytical results of a grab water sample from the B-29

borehole drilled at the former J-3 Range Melt/Pour wastewater holding tank area. Monitor well MW-181 was installed at this location to monitor HMX, TNT, 2A-DNT, and 4A-DNT detections.

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

Munitions Survey Project

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

- Project work at Demo Area 1, the Slit Trench, and J-1 Tank pull has been completed.
- Geophysics of the four ASP areas was also completed. At the west edge of Area A, approximately 300 jet engine igniters with smokeless powder grain were found buried. Because of this discovery, and other anomalies detected in the area between Areas A and B, a geophysical survey into the area between A and B was added. This includes the area where goats (used to "mow" grass at the ASP) have been buried. Todd Borci (EPA) expressed EPAs approval that the Guard had added the extra area to the scope of the investigation without the EPA having to request the addition.
- A 105mm shell casing with igniter expended was removed from an anomaly in ASP Area C. Nick Iaiennaro (ACE) had removed similar shell casings from the surface prior to the survey. Todd Borci (EPA) asked how many shell casings had been removed by Mr. Iaiennaro and whether these were similar to casings found in the Slit Trench, whether they had been demilitarized in the same way.
- EM61 Survey was completed at Mortar Target 9 for the site restoration work. Five BIPs were scheduled for tomorrow 9/7.
- Succonsett Pond geophysical work was completed; anomaly maps would likely be completed by the 9/13 Tech meeting.
- K Range geophysical survey would commence Monday 9/10.
- At Former A Range, 18 BIPs of 37mm and 40mm rounds were scheduled for tomorrow, 9/7. One round with a sheered fuze would be moved to the ASP.
- Jane Dolan (EPA) requested one hard copy of the revised Munitions Survey Report, in addition to the electronic copies. DEP said they preferred the electronic copies.
- Mike Jasinski (EPA) asked how and when were the various parts of the Munitions Survey Report going to be pulled together, including the Central Impact Area AirMag data. Ellen Iorio (ACE) indicated that a revised schedule would be provided on 9/20.

Soil Sampling for Background

- Marc Grant (AMEC) indicated that the Guard was seeking approval of the general sampling locations for collecting background soil data. Following approval, AMEC will stake the sampling locations and show the agencies the staked locations prior to initiating sampling.

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

Document and Schedule

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

- As part of the Demo 1 Soil Report MOR - Attachment 1 (schedule) is outstanding. Mike Jasinski (EPA) thought this was resolved since it had been agreed that Demo 1 final Draft would be due 11/2 to allow for the incorporation of the soil borings recently drilled and Tetra Tech data from the bottom survey. Todd Borci (EPA) would prefer to deal with this issue by approving the revised combined schedule.
- Second issue to resolve is the Central Impact Area Schedule. Mr. Borci agreed that the Guard and EPA are still at least 6 months apart, but the revised draft soil report will not be due "soon". For the combined schedule, TBD should be entered for the Central Impact Area dates in question, until differences can be resolved (perhaps as part of the HUTA2 discussion next week).
- Mike Jasinski (EPA) indicated that the Central Impact Area Groundwater FSSR Report was conditionally approved yesterday, 9/5 and should have been emailed.
- Mr. Borci indicated if they could get the combined schedule by Tuesday 9/11, then it could be approved by Thursday 9/13 - in time to supercede the next upcoming deliverable milestone of 9/18.
- Training Areas FSP agency comments are needed by 1/18/02.
- Jane Dolan (EPA) requested an additional copy of the J-1, J-3, L Ranges Report Volume 2 and a second copy for TRC. Dave Williams (MDPH) also requested a copy of Volume 2. Volume 2 contains data tables. Len Pinaud (MADEP) asked if they could get copies electronically, only. Electronic, read only, copies instead of hard copies were preferred by MADEP for all reports.

Other Items

- Mike Jasinski (EPA) asked if there was an ecological map that shows the sensitive areas on base, not the poster-sized map that Mike Ciaranca (MAARNG) has, something more detailed. Such a map could be used in the scoping process for wells. Karen Wilson (IAGWSPO) indicated that they could work on putting something together.

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

9/13 Tech Meeting Topics

Revised Combined Schedule
Munitions Survey Project
J-Ranges plume delineation discussion
Snake Pond Update

9/12 8am-12pm AirMag Presentation
9/13 HUTA2 Discussion
Depleted Uranium Comment Resolution
RRA Completion of Work Report Comment Resolution
Demo Area 1 Groundwater FSSR Comment Resolution

2. SUMMARY OF DATA RECEIVED

Rush data are summarized in Table 3. 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 groundwater profile samples, are conducted in this timeframe. The rush data are not validated, but are provided as an indication of the most recent preliminary results. Table 3 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 3. 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 3, 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 3 includes the following detections:

- Groundwater samples from 58MW0007B (CS-19 well) had a detection of RDX. This detection was confirmed by PDA spectra and similar to the previous round of sampling.

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

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

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

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

- Groundwater profile samples from MW-180 (Central Impact Area well) had detections of 3-nitrotoluene (7 intervals), 4-nitrotoluene (7 intervals), RDX (16 intervals), nitroglycerin (14 intervals), 2,4-DNT (4 intervals), 2A-DNT (2 intervals), 4A-DNT (1 interval), 2,4-diamino-6-nitrotoluene (4 intervals), picric acid (2 intervals), 1,3-dinitrobenzene (3 intervals), tetryl (1 interval), and 1,3,5-trinitrobenzene (1 interval). Two 3-nitrotoluene detections, one RDX detection, three 2,4-DNT detections, all of the 2,4-diamino-6-nitrotoluene detections, and the only tetryl detection were confirmed by PDA spectra.

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

3. DELIVERABLES SUBMITTED

J-1, J-3, L Ranges Draft Interim Results Report No. 2 (Technical Memorandum 01-16)	9/4/01
Weekly Progress Update for August 20 - 24	9/5/01
Weekly Progress Update for August 27 - 31	9/7/01
August 2001 Monthly Progress Report	9/7/01

4. SCHEDULED ACTIONS

Scheduled actions for the week of September 10 include well installation of MW-179 (CIAP-1), commence drilling of MW-184 (P-30), MW-183 (CIAP-4), MW-182 (CIAP-9). Groundwater sampling will continue for the August LTM round. Excavation of UXO detonation craters will commence.

5. SUMMARY OF ACTIVITIES FOR DEMO 1

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

TABLE 2
SAMPLING PROGRESS
9/1/2001-9/7/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
GTR.A..3.00002.3.0	GTR.3.00002.R	09/07/2001	CRATER GRID	0.25	0.50		
GTR.A.3.00001.3.0	GTR.4.00001.R	09/07/2001	CRATER GRID	0.25	0.50		
GTR.A.3.00004.1.0	GTR.4.00004.R	09/07/2001	CRATER GRID	0.50	0.75		
GTR.A.3.00004.2.0	GTR.3.00004.R	09/07/2001	CRATER GRID	0.50	0.75		
GTR.A.3.00006.1.0	GTR.3.00006.R	09/07/2001	CRATER GRID	0.25	0.50		
GTR.A.3.00006.2.0	GTR.3.00006.R	09/07/2001	CRATER GRID	0.25	0.50		
GTR.A.3.00008.3.0	GTR.3.00008.R	09/07/2001	CRATER GRID	0.00	0.25		
GTR.A.3.00009.3.0	GTR.3.00009.R	09/07/2001	CRATER GRID	0.00	0.25		
GTR.A.3.00010.3.0	GTR.3.00010.R	09/07/2001	CRATER GRID	0.00	0.25		
GTR.A.3.00011.1.0	GTR.3.00011.R	09/07/2001	CRATER GRID	0.00	0.25		
GTR.A.3.00011.1.D	GTR.3.00011.R	09/07/2001	CRATER GRID	0.00	0.25		
GTR.A.3.00011.2.0	GTR.3.00011.R	09/07/2001	CRATER GRID	0.00	0.25		
GTR.A.3.00011.2.D	GTR.3.00011.R	09/07/2001	CRATER GRID	0.00	0.25		
GTR.A.3.00012.1.0	GTR.3.00012.R	09/07/2001	CRATER GRID	0.00	0.25		
GTR.A.3.00012.2.0	GTR.3.00012.R	09/07/2001	CRATER GRID	0.00	0.25		
GTR.A.3.00013.1.0	GTR.3.00013.R	09/07/2001	CRATER GRID	0.00	0.25		
GTR.A.3.00013.2.0	GTR.3.00013.R	09/07/2001	CRATER GRID	0.00	0.25		
GTR.A.3.00014.1.0	GTR.3.00014.R	09/07/2001	CRATER GRID	0.00	0.25		
GTR.A.3.00014.2.0	GTR.3.00014.R	09/07/2001	CRATER GRID	0.00	0.25		
GTR.A.3.00015.1.0	GTR.3.00015.R	09/07/2001	CRATER GRID	0.00	0.25		
GTR.A.3.00015.2.0	GTR.3.00015.R	09/07/2001	CRATER GRID	0.00	0.25		
GTR.A.3.00016.1.0	GTR.3.00016.R	09/07/2001	CRATER GRID	0.00	0.25		
GTR.A.3.00016.2.0	GTR.3.00016.R	09/07/2001	CRATER GRID	0.00	0.25		
GTR.A.3.00017.1.0	GTR.3.00017.R	09/07/2001	CRATER GRID	0.00	0.25		
GTR.A.3.00017.2.0	GTR.3.00017.R	09/07/2001	CRATER GRID	0.00	0.25		
GTR.A.3.00018.2.0	GTR.3.00018.R	09/07/2001	CRATER GRID	0.00	0.25		
GTR.A.3.00019.3.0	GTR.3.00019.R	09/07/2001	CRATER GRID	0.00	0.25		
GTR.A.3.00020.1.0	GTR.3.00020.R	09/07/2001	CRATER GRID	0.00	0.25		
GTR.A.3.00020.2.0	GTR.3.00020.R	09/07/2001	CRATER GRID	0.00	0.25		
GTR.A.3.00021.1.0	GTR.3.00021.R	09/07/2001	CRATER GRID	0.00	0.25		
GTR.A.3.00021.2.0	GTR.3.00021.R	09/07/2001	CRATER GRID	0.00	0.25		
GTR.A.3.0018.1.0	GTR.3.00018.R	09/07/2001	CRATER GRID	0.00	0.25		
GTR.B.3.00022.1.0	GTR.3.00022.O	09/07/2001	CRATER GRID	0.00	0.25		
MT.4.A.00005.6.0	MT.4.00005.R	09/07/2001	CRATER GRID	1.00	1.25		
MT.A.4.00001.1.0	MT.4.00001.R	09/07/2001	CRATER GRID	1.00	1.25		
MT.A.4.00001.2.0	MT.4.00001.R	09/07/2001	CRATER GRID	1.00	1.25		
MT.A.4.00003.1.0	MT.4.00003.R	09/07/2001	CRATER GRID	0.75	1.00		
MT.A.4.00003.2.0	MT.4.00003.R	09/07/2001	CRATER GRID	0.75	1.00		
MT.A.4.00004.1.0	MT.4.00004.R	09/07/2001	CRATER GRID	1.00	1.25		
MT.A.4.00004.2.0	MT.4.00004.R	09/07/2001	CRATER GRID	1.00	1.25		
MT.A.4.00005.1.0	MT.4.00005.R	09/07/2001	CRATER GRID	1.00	1.25		
MT.A.4.00005.2.0	MT.4.00005.R	09/07/2001	CRATER GRID	1.00	1.25		
MT.A.4.00006.1.0	MT.4.00006.R	09/07/2001	CRATER GRID	0.50	0.75		

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

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MT.A.4.00006.2.0	MT.4.00006.R	09/06/2001	CRATER GRID	0.50	0.75		
0.G.0.00118.0.T	TRIP BLANK 118	09/07/2001	FIELDQC	0.00	0.00		
58MW0018A-E	FIELDQC	09/04/2001	FIELDQC	0.00	0.00		
90MW0022-E	FIELDQC	09/05/2001	FIELDQC	0.00	0.00		
90MW0041-E	FIELDQC	09/03/2001	FIELDQC	0.00	0.00		
90WT0005-E	FIELDQC	09/06/2001	FIELDQC	0.00	0.00		
95-15A-E	FIELDQC	09/05/2001	FIELDQC	0.00	0.00		
95-15A-T	FIELDQC	09/05/2001	FIELDQC	0.00	0.00		
95-15A-T	FIELDQC	09/06/2001	FIELDQC	0.00	0.00		
BHW215083B-E	FIELDQC	09/07/2001	FIELDQC	0.00	0.00		
BHW215083B-T	FIELDQC	09/07/2001	FIELDQC	0.00	0.00		
G178DCE	FIELDQC	09/05/2001	FIELDQC	0.00	0.00		
G179DHE	FIELDQC	09/05/2001	FIELDQC	0.00	0.00		
G179DPE	FIELDQC	09/06/2001	FIELDQC	0.00	0.00		
G179DSE	FIELDQC	09/04/2001	FIELDQC	0.00	0.00		
GTR.B.3.00022.3.0	GTR.3.00022.O	09/07/2001	GAUZE WIPE	0.00	0.25		
27MW0108A	27MW0108A	09/04/2001	GROUNDWATER	222.00	227.00	80.70	85.70
58MW0018A	58MW0018A	09/04/2001	GROUNDWATER	203.00	212.00	60.85	70.85
58MW0018B	58MW0018B	09/04/2001	GROUNDWATER	176.00	186.00	34.55	44.55
58MW0018C	58MW0018C	09/04/2001	GROUNDWATER	150.00	160.00	8.56	18.56
90LWA0007	90LWA0007	09/03/2001	GROUNDWATER	92.00	102.00	0.00	10.00
90MW0022	90MW0022	09/05/2001	GROUNDWATER	115.50	120.50	75.33	80.33
90MW0041	90MW0041	09/03/2001	GROUNDWATER	127.00	133.00	33.70	39.70
90MW0041-D	90MW0041	09/03/2001	GROUNDWATER	127.00	133.00	33.70	39.70
90WT0003	90WT0003	09/07/2001	GROUNDWATER	92.00	102.00	0.00	10.00
90WT0004	90WT0004	09/07/2001	GROUNDWATER	38.00	48.00	3.49	13.49
90WT0004-D	90WT0004	09/07/2001	GROUNDWATER	38.00	48.00	3.49	13.49
90WT0005	90WT0005	09/06/2001	GROUNDWATER	50.00	60.00	0.00	10.00
90WT0005-D	90WT0005	09/06/2001	GROUNDWATER	50.00	60.00	0.00	10.00
95-14	95-14	09/05/2001	GROUNDWATER	102.00	112.00	89.90	99.90
95-15A	95-15A	09/05/2001	GROUNDWATER	189.00	199.00	139.10	149.10
BHW215083B	BHW215083B	09/07/2001	GROUNDWATER		65.00		7.40
BHW215083D	BHW215083D	09/07/2001	GROUNDWATER		175.00		117.10
LRWS1-4	LRWS1-4	09/06/2001	GROUNDWATER	121.00	131.00	108.30	113.30
G179DCA	MW-179	09/04/2001	PROFILE	170.00	170.00	29.60	29.60
G179DDA	MW-179	09/04/2001	PROFILE	180.00	180.00	39.60	39.60
G179DDD	MW-179	09/04/2001	PROFILE	180.00	180.00	39.60	39.60
G179DEA	MW-179	09/04/2001	PROFILE	190.00	190.00	49.60	49.60
G179DFA	MW-179	09/04/2001	PROFILE	200.00	200.00	59.60	59.60
G179DFD	MW-179	09/04/2001	PROFILE	200.00	200.00	59.60	59.60
G179DGA	MW-179	09/04/2001	PROFILE	210.00	210.00	69.60	69.90
G179DHA	MW-179	09/05/2001	PROFILE	220.00	220.00	79.60	79.60
G179DIA	MW-179	09/05/2001	PROFILE	230.00	230.00	89.60	89.60
G179DJA	MW-179	09/05/2001	PROFILE	240.00	240.00	99.60	99.60

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9/1/2001-9/7/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G179DKA	MW-179	09/05/2001	PROFILE	250.00	250.00	109.60	109.60
G179DLA	MW-179	09/05/2001	PROFILE	260.00	260.00	119.60	119.60
G179DMA	MW-179	09/05/2001	PROFILE	270.00	270.00	129.60	129.69
G179DNA	MW-179	09/05/2001	PROFILE	280.00	280.00	139.60	139.60
G179DOA	MW-179	09/05/2001	PROFILE	290.00	290.00	149.60	149.60
G179DPA	MW-179	09/06/2001	PROFILE	300.00	300.00	159.60	159.60
G179DQA	MW-179	09/06/2001	PROFILE	310.00	310.00	169.60	169.60
G179DQD	MW-179	09/06/2001	PROFILE	310.00	310.00	169.60	169.60
G179DRA	MW-179	09/06/2001	PROFILE	320.00	320.00	179.60	179.60
G179DSA	MW-179	09/06/2001	PROFILE	330.00	330.00	189.60	189.60
G179DTA	MW-179	09/06/2001	PROFILE	338.00	338.00	197.60	197.60
G180DSA	MW-180	09/04/2001	PROFILE	350.00	350.00	194.00	194.00
GTR.B.3.00022.2.0	GTR.3.00022.O	09/07/2001	SOIL BRUSHING	0.00	0.25		
0.ASP.4.00014.1.0	ASP.4.00014	08/31/2001	SOIL GRID	4.50	5.00		
0.ASP.4.00014.2.0	ASP.4.00014	08/31/2001	SOIL GRID	6.25	6.50		

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

TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 8/18/01-9/7/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
58MW0007B	58MW0007B	08/31/2001	GROUNDWATER	188.00	193.00	50.10	55.10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
W40SSA	MW-40	08/20/2001	GROUNDWATER	116.00	126.00	0.00	10.00	8330N	2,4,6-TRINITROTOLUENE	YES
W40SSA	MW-40	08/20/2001	GROUNDWATER	116.00	126.00	0.00	10.00	8330N	2-AMINO-4,6-DINITROTOLUENE	YES
W40SSA	MW-40	08/20/2001	GROUNDWATER	116.00	126.00	0.00	10.00	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
W40SSA	MW-40	08/20/2001	GROUNDWATER	116.00	126.00	0.00	10.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G177DKA	MW-177	08/27/2001	PROFILE	290.00	290.00	102.50	102.50	8330N	1,3-DINITROBENZENE	NO
G177DKA	MW-177	08/27/2001	PROFILE	290.00	290.00	102.50	102.50	8330N	3-NITROTOLUENE	NO
G177DKA	MW-177	08/27/2001	PROFILE	290.00	290.00	102.50	102.50	8330N	4-NITROTOLUENE	NO
G177DKA	MW-177	08/27/2001	PROFILE	290.00	290.00	102.50	102.50	8330N	NITROBENZENE	NO
G177DKA	MW-177	08/27/2001	PROFILE	290.00	290.00	102.50	102.50	8330N	NITROGLYCERIN	NO
G177DKA	MW-177	08/27/2001	PROFILE	290.00	290.00	102.50	102.50	8330N	PICRIC ACID	NO
G177DLA	MW-177	08/27/2001	PROFILE	300.00	300.00	112.50	112.50	8330N	1,3-DINITROBENZENE	NO
G177DLA	MW-177	08/27/2001	PROFILE	300.00	300.00	112.50	112.50	8330N	NITROGLYCERIN	NO
G177DMA	MW-177	08/28/2001	PROFILE	310.00	310.00	122.50	122.50	8330N	1,3-DINITROBENZENE	NO
G177DMA	MW-177	08/28/2001	PROFILE	310.00	310.00	122.50	122.50	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G177DMA	MW-177	08/28/2001	PROFILE	310.00	310.00	122.50	122.50	8330N	3-NITROTOLUENE	NO
G177DMA	MW-177	08/28/2001	PROFILE	310.00	310.00	122.50	122.50	8330N	PENTAERYTHRITOL TETRANITR	NO
G177DNA	MW-177	08/28/2001	PROFILE	320.00	320.00	132.50	132.50	8330N	1,3-DINITROBENZENE	NO
G177DNA	MW-177	08/28/2001	PROFILE	320.00	320.00	132.50	132.50	8330N	2-AMINO-4,6-DINITROTOLUENE	YES
G177DNA	MW-177	08/28/2001	PROFILE	320.00	320.00	132.50	132.50	8330N	3-NITROTOLUENE	NO
G177DNA	MW-177	08/28/2001	PROFILE	320.00	320.00	132.50	132.50	8330N	4-NITROTOLUENE	NO
G177DNA	MW-177	08/28/2001	PROFILE	320.00	320.00	132.50	132.50	8330N	NITROGLYCERIN	NO
G177DNA	MW-177	08/28/2001	PROFILE	320.00	320.00	132.50	132.50	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	NO
G177DOA	MW-177	08/28/2001	PROFILE	330.00	330.00	142.50	142.50	8330N	1,3-DINITROBENZENE	NO
G177DOA	MW-177	08/28/2001	PROFILE	330.00	330.00	142.50	142.50	8330N	3-NITROTOLUENE	NO
G177DOA	MW-177	08/28/2001	PROFILE	330.00	330.00	142.50	142.50	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
G177DOA	MW-177	08/28/2001	PROFILE	330.00	330.00	142.50	142.50	8330N	4-NITROTOLUENE	NO
G177DOA	MW-177	08/28/2001	PROFILE	330.00	330.00	142.50	142.50	8330N	NITROGLYCERIN	NO
G177DOA	MW-177	08/28/2001	PROFILE	330.00	330.00	142.50	142.50	8330N	PICRIC ACID	NO
G177DPA	MW-177	08/28/2001	PROFILE	340.00	340.00	152.50	152.50	8330N	1,3-DINITROBENZENE	NO
G177DPA	MW-177	08/28/2001	PROFILE	340.00	340.00	152.50	152.50	8330N	3-NITROTOLUENE	NO
G177DPA	MW-177	08/28/2001	PROFILE	340.00	340.00	152.50	152.50	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
G177DPA	MW-177	08/28/2001	PROFILE	340.00	340.00	152.50	152.50	8330N	4-NITROTOLUENE	NO

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

TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 8/18/01-9/7/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G177DPA	MW-177	08/28/2001	PROFILE	340.00	340.00	152.50	152.50	8330N	NITROBENZENE	YES
G177DPA	MW-177	08/28/2001	PROFILE	340.00	340.00	152.50	152.50	8330N	NITROGLYCERIN	NO
G177DPA	MW-177	08/28/2001	PROFILE	340.00	340.00	152.50	152.50	8330N	PICRIC ACID	NO
G177DRD	MW-177	08/28/2001	PROFILE	360.00	360.00	172.50	172.50	8330N	1,3-DINITROBENZENE	NO
G177DRD	MW-177	08/28/2001	PROFILE	360.00	360.00	172.50	172.50	8330N	4-NITROTOLUENE	NO
G177DRD	MW-177	08/28/2001	PROFILE	360.00	360.00	172.50	172.50	8330N	PICRIC ACID	NO
G177DSA	MW-177	08/29/2001	PROFILE	370.00	370.00	182.50	182.50	8330N	1,3-DINITROBENZENE	NO
G177DSA	MW-177	08/29/2001	PROFILE	370.00	370.00	182.50	182.50	8330N	3-NITROTOLUENE	NO
G177DSA	MW-177	08/29/2001	PROFILE	370.00	370.00	182.50	182.50	8330N	4-NITROTOLUENE	NO
G177DSA	MW-177	08/29/2001	PROFILE	370.00	370.00	182.50	182.50	8330N	NITROGLYCERIN	NO
G177DSA	MW-177	08/29/2001	PROFILE	370.00	370.00	182.50	182.50	8330N	PICRIC ACID	NO
G177DTA	MW-177	08/29/2001	PROFILE	380.00	380.00	192.50	192.50	8330N	1,3-DINITROBENZENE	NO
G177DTA	MW-177	08/29/2001	PROFILE	380.00	380.00	192.50	192.50	8330N	2,4,6-TRINITROTOLUENE	YES
G177DTA	MW-177	08/29/2001	PROFILE	380.00	380.00	192.50	192.50	8330N	2,4-DINITROTOLUENE	YES
G177DTA	MW-177	08/29/2001	PROFILE	380.00	380.00	192.50	192.50	8330N	3-NITROTOLUENE	NO
G177DTA	MW-177	08/29/2001	PROFILE	380.00	380.00	192.50	192.50	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G177DTA	MW-177	08/29/2001	PROFILE	380.00	380.00	192.50	192.50	8330N	4-NITROTOLUENE	NO
G177DTA	MW-177	08/29/2001	PROFILE	380.00	380.00	192.50	192.50	8330N	NITROBENZENE	NO
G177DTA	MW-177	08/29/2001	PROFILE	380.00	380.00	192.50	192.50	8330N	NITROGLYCERIN	NO
G177DTA	MW-177	08/29/2001	PROFILE	380.00	380.00	192.50	192.50	8330N	PICRIC ACID	NO
G177DUA	MW-177	08/29/2001	PROFILE	390.00	390.00	202.50	202.50	8330N	NITROGLYCERIN	NO
G178DAA	MW-178	08/23/2001	PROFILE	145.00	145.00	5.60	5.60	8330N	2,6-DINITROTOLUENE	NO
G178DAA	MW-178	08/23/2001	PROFILE	145.00	145.00	5.60	5.60	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G178DAA	MW-178	08/23/2001	PROFILE	145.00	145.00	5.60	5.60	8330N	NITROGLYCERIN	NO
G178DDD	MW-178	08/24/2001	PROFILE	175.00	175.00	35.60	35.60	8330N	TETRYL	YES
G178DLA	MW-178	08/28/2001	PROFILE	255.00	255.00	115.60	115.60	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G178DMA	MW-178	08/28/2001	PROFILE	265.00	265.00	125.60	125.60	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G178DNA	MW-178	08/28/2001	PROFILE	275.00	275.00	135.60	135.60	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G179DAA	MW-179	08/31/2001	PROFILE	150.00	150.00	9.60	9.60	8330N	1,3,5-TRINITROBENZENE	YES
G179DAA	MW-179	08/31/2001	PROFILE	150.00	150.00	9.60	9.60	8330N	1,3-DINITROBENZENE	NO
G179DAA	MW-179	08/31/2001	PROFILE	150.00	150.00	9.60	9.60	8330N	NITROGLYCERIN	NO
G179DCA	MW-179	09/04/2001	PROFILE	170.00	170.00	29.60	29.60	8330N	NITROGLYCERIN	NO
G179DDA	MW-179	09/04/2001	PROFILE	180.00	180.00	39.60	39.60	8330N	4-AMINO-2,6-DINITROTOLUENE	NO

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

TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 8/18/01-9/7/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G179DEA	MW-179	09/04/2001	PROFILE	190.00	190.00	49.60	49.60	8330N	PENTAERYTHRITOL TETRANITF	NO
G179DFA	MW-179	09/04/2001	PROFILE	200.00	200.00	59.60	59.60	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G179DIA	MW-179	09/05/2001	PROFILE	230.00	230.00	89.60	89.60	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G179DIA	MW-179	09/05/2001	PROFILE	230.00	230.00	89.60	89.60	8330N	PICRIC ACID	NO
G179DPA	MW-179	09/06/2001	PROFILE	300.00	300.00	159.60	159.60	8330N	NITROGLYCERIN	NO
G179DSA	MW-179	09/06/2001	PROFILE	330.00	330.00	189.60	189.60	8330N	PENTAERYTHRITOL TETRANITF	NO
G179DTA	MW-179	09/06/2001	PROFILE	338.00	338.00	197.60	197.60	8330N	2,6-DINITROTOLUENE	YES
G179DTA	MW-179	09/06/2001	PROFILE	338.00	338.00	197.60	197.60	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G180DAA	MW-180	08/29/2001	PROFILE	170.00	170.00	14.00	14.00	8330N	3-NITROTOLUENE	NO
G180DAA	MW-180	08/29/2001	PROFILE	170.00	170.00	14.00	14.00	8330N	4-NITROTOLUENE	NO
G180DAA	MW-180	08/29/2001	PROFILE	170.00	170.00	14.00	14.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G180DAA	MW-180	08/29/2001	PROFILE	170.00	170.00	14.00	14.00	8330N	NITROGLYCERIN	NO
G180DBA	MW-180	08/29/2001	PROFILE	180.00	180.00	24.00	24.00	8330N	2,4-DINITROTOLUENE	NO
G180DBA	MW-180	08/29/2001	PROFILE	180.00	180.00	24.00	24.00	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G180DBA	MW-180	08/29/2001	PROFILE	180.00	180.00	24.00	24.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G180DBA	MW-180	08/29/2001	PROFILE	180.00	180.00	24.00	24.00	8330N	NITROGLYCERIN	NO
G180DCA	MW-180	08/29/2001	PROFILE	190.00	190.00	34.00	34.00	8330N	4-NITROTOLUENE	NO
G180DCA	MW-180	08/29/2001	PROFILE	190.00	190.00	34.00	34.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G180DCA	MW-180	08/29/2001	PROFILE	190.00	190.00	34.00	34.00	8330N	NITROGLYCERIN	NO
G180DDA	MW-180	08/29/2001	PROFILE	200.00	200.00	44.00	44.00	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G180DDA	MW-180	08/29/2001	PROFILE	200.00	200.00	44.00	44.00	8330N	2,4-DINITROTOLUENE	YES
G180DDA	MW-180	08/29/2001	PROFILE	200.00	200.00	44.00	44.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G180DDD	MW-180	08/29/2001	PROFILE	200.00	200.00	44.00	44.00	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G180DDD	MW-180	08/29/2001	PROFILE	200.00	200.00	44.00	44.00	8330N	3-NITROTOLUENE	YES
G180DDD	MW-180	08/29/2001	PROFILE	200.00	200.00	44.00	44.00	8330N	4-NITROTOLUENE	NO
G180DDD	MW-180	08/29/2001	PROFILE	200.00	200.00	44.00	44.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G180DDD	MW-180	08/29/2001	PROFILE	200.00	200.00	44.00	44.00	8330N	NITROGLYCERIN	NO
G180DDD	MW-180	08/29/2001	PROFILE	200.00	200.00	44.00	44.00	8330N	PICRIC ACID	NO
G180DEA	MW-180	08/29/2001	PROFILE	210.00	210.00	54.00	54.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G180DEA	MW-180	08/29/2001	PROFILE	210.00	210.00	54.00	54.00	8330N	NITROGLYCERIN	NO
G180DFA	MW-180	08/30/2001	PROFILE	220.00	220.00	64.00	64.00	8330N	3-NITROTOLUENE	YES
G180DFA	MW-180	08/30/2001	PROFILE	220.00	220.00	64.00	64.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G180DGA	MW-180	08/30/2001	PROFILE	230.00	230.00	74.00	74.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO

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

TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 8/18/01-9/7/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G180DGA	MW-180	08/30/2001	PROFILE	230.00	230.00	74.00	74.00	8330N	NITROGLYCERIN	NO
G180DGD	MW-180	08/30/2001	PROFILE	230.00	230.00	74.00	74.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G180DGD	MW-180	08/30/2001	PROFILE	230.00	230.00	74.00	74.00	8330N	NITROGLYCERIN	NO
G180DHA	MW-180	08/30/2001	PROFILE	240.00	240.00	84.00	84.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G180DIA	MW-180	08/30/2001	PROFILE	250.00	250.00	94.00	94.00	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G180DIA	MW-180	08/30/2001	PROFILE	250.00	250.00	94.00	94.00	8330N	2,4-DINITROTOLUENE	YES
G180DIA	MW-180	08/30/2001	PROFILE	250.00	250.00	94.00	94.00	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G180DIA	MW-180	08/30/2001	PROFILE	250.00	250.00	94.00	94.00	8330N	3-NITROTOLUENE	NO
G180DIA	MW-180	08/30/2001	PROFILE	250.00	250.00	94.00	94.00	8330N	4-NITROTOLUENE	NO
G180DIA	MW-180	08/30/2001	PROFILE	250.00	250.00	94.00	94.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G180DIA	MW-180	08/30/2001	PROFILE	250.00	250.00	94.00	94.00	8330N	NITROGLYCERIN	NO
G180DKA	MW-180	08/30/2001	PROFILE	270.00	270.00	104.00	104.00	8330N	1,3-DINITROBENZENE	NO
G180DKA	MW-180	08/30/2001	PROFILE	270.00	270.00	104.00	104.00	8330N	3-NITROTOLUENE	NO
G180DKA	MW-180	08/30/2001	PROFILE	270.00	270.00	104.00	104.00	8330N	4-NITROTOLUENE	NO
G180DKA	MW-180	08/30/2001	PROFILE	270.00	270.00	104.00	104.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G180DKA	MW-180	08/30/2001	PROFILE	270.00	270.00	104.00	104.00	8330N	NITROGLYCERIN	NO
G180DMA	MW-180	08/30/2001	PROFILE	290.00	290.00	124.00	124.00	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
G180DMA	MW-180	08/30/2001	PROFILE	290.00	290.00	124.00	124.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G180DMA	MW-180	08/30/2001	PROFILE	290.00	290.00	124.00	124.00	8330N	NITROGLYCERIN	NO
G180DNA	MW-180	08/31/2001	PROFILE	300.00	300.00	144.00	144.00	8330N	1,3-DINITROBENZENE	NO
G180DNA	MW-180	08/31/2001	PROFILE	300.00	300.00	144.00	144.00	8330N	3-NITROTOLUENE	NO
G180DNA	MW-180	08/31/2001	PROFILE	300.00	300.00	144.00	144.00	8330N	4-NITROTOLUENE	NO
G180DNA	MW-180	08/31/2001	PROFILE	300.00	300.00	144.00	144.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
G180DNA	MW-180	08/31/2001	PROFILE	300.00	300.00	144.00	144.00	8330N	NITROGLYCERIN	NO
G180DNA	MW-180	08/31/2001	PROFILE	300.00	300.00	144.00	144.00	8330N	PICRIC ACID	NO
G180DOA	MW-180	08/31/2001	PROFILE	310.00	310.00	154.00	154.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G180DOA	MW-180	08/31/2001	PROFILE	310.00	310.00	154.00	154.00	8330N	NITROGLYCERIN	NO
G180DOA	MW-180	08/31/2001	PROFILE	310.00	310.00	154.00	154.00	8330N	TETRYL	YES
G180DPA	MW-180	08/31/2001	PROFILE	320.00	320.00	164.00	164.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G180DPA	MW-180	08/31/2001	PROFILE	320.00	320.00	164.00	164.00	8330N	NITROGLYCERIN	NO
G180DQA	MW-180	08/31/2001	PROFILE	330.00	330.00	174.00	174.00	8330N	1,3,5-TRINITROBENZENE	NO
G180DQA	MW-180	08/31/2001	PROFILE	330.00	330.00	174.00	174.00	8330N	1,3-DINITROBENZENE	NO
G180DQA	MW-180	08/31/2001	PROFILE	330.00	330.00	174.00	174.00	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES

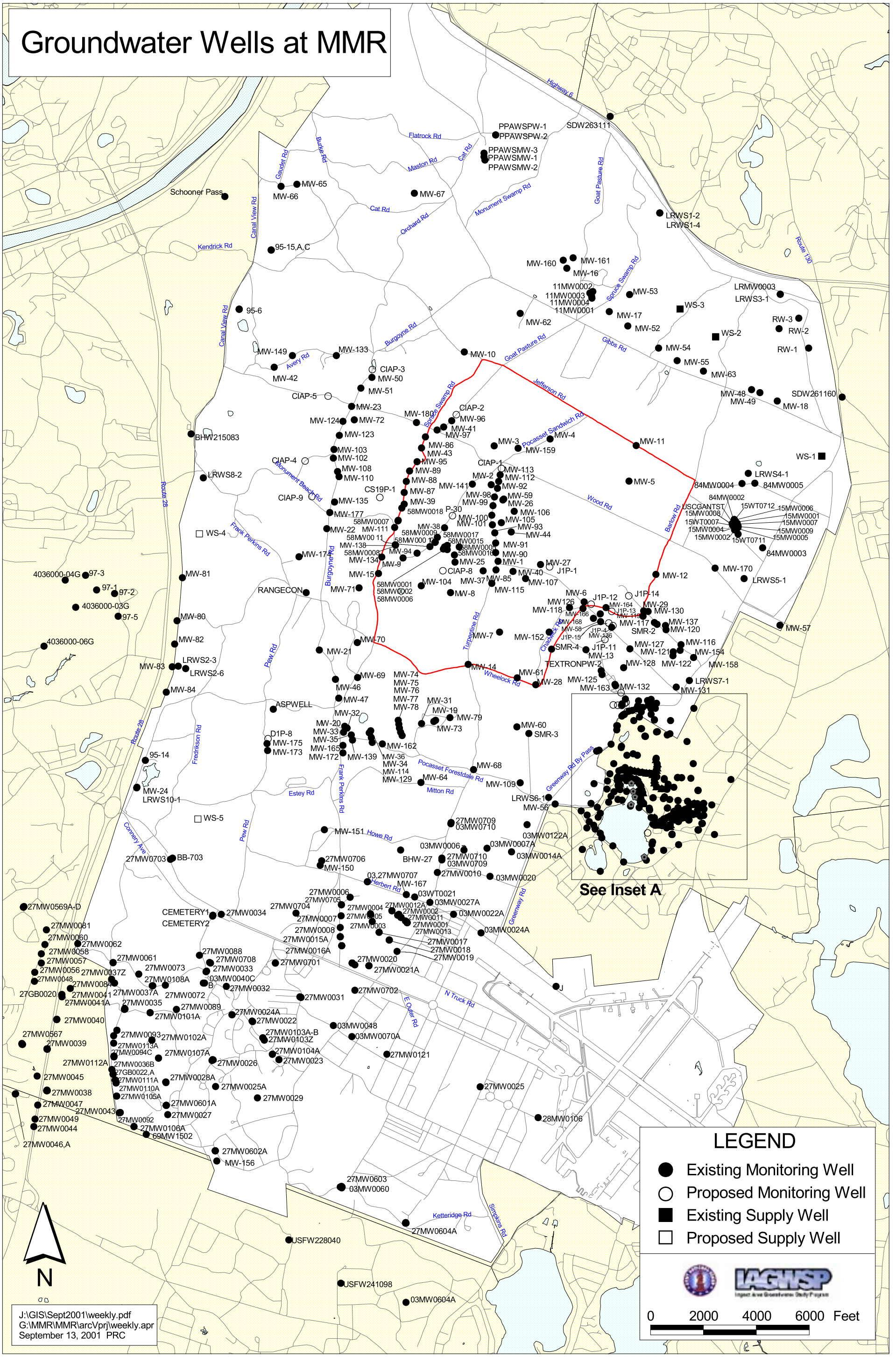
DATA REPORTED REFLECT CURRENT DATABASE FOR SAMPLES COLLECTED IN SPECIFIED TIMEFRAME. NOT ALL RESULTS ARE COMPLETE.
SBD = SAMPLE COLLECTION BEGIN DEPTH IN FEET BGS
SED = SAMPLE COLLECTION END DEPTH IN FEET BGS
BWTS = DEPTH BELOW WATER TABLE, START DEPTH, MEASURED IN FEET
BWTE = DEPTH BELOW WATER TABLE,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

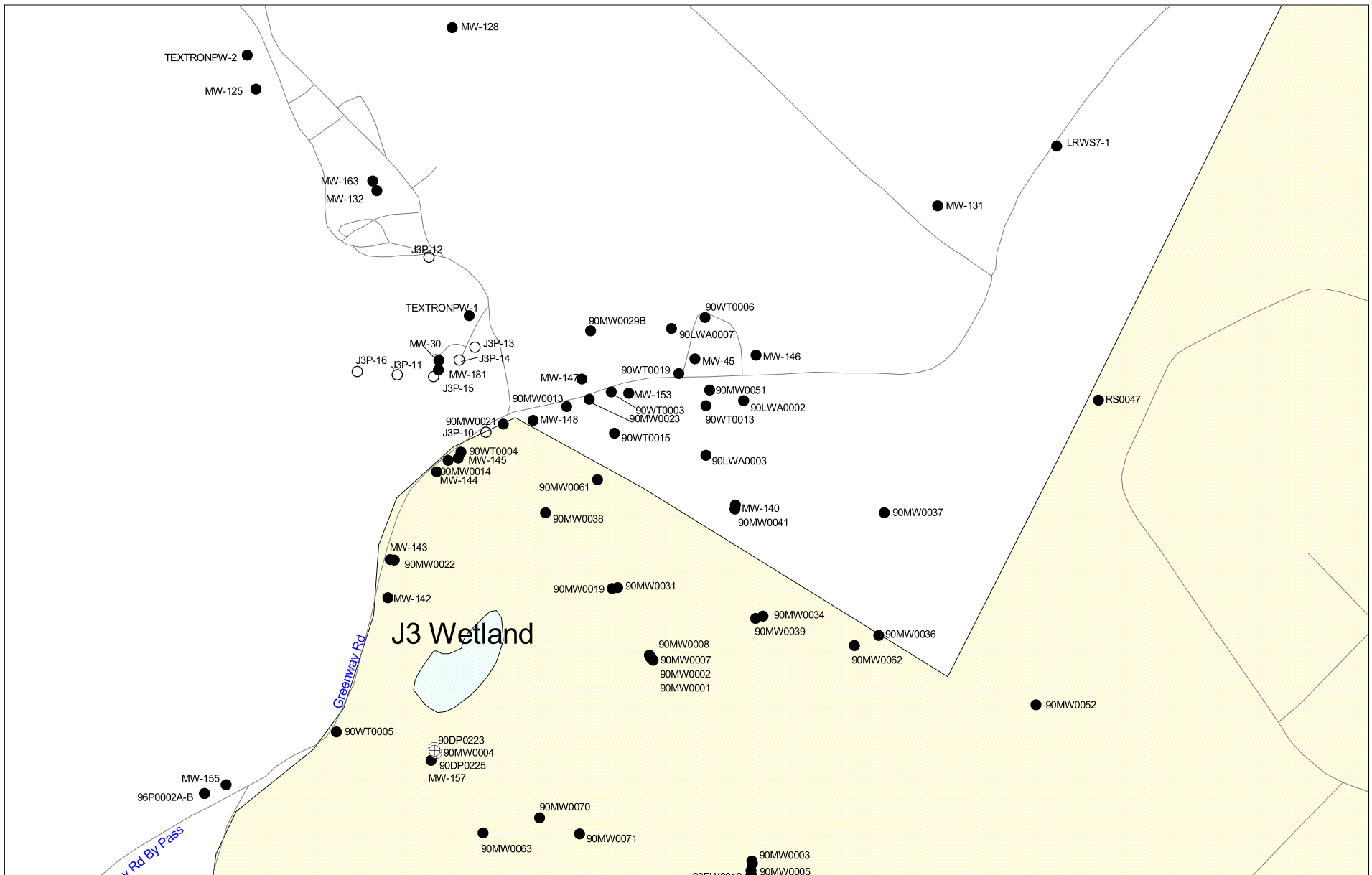
TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 8/18/01-9/7/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G180DQA	MW-180	08/31/2001	PROFILE	330.00	330.00	174.00	174.00	8330N	2,4-DINITROTOLUENE	YES
G180DQA	MW-180	08/31/2001	PROFILE	330.00	330.00	174.00	174.00	8330N	3-NITROTOLUENE	NO
G180DQA	MW-180	08/31/2001	PROFILE	330.00	330.00	174.00	174.00	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G180DQA	MW-180	08/31/2001	PROFILE	330.00	330.00	174.00	174.00	8330N	4-NITROTOLUENE	NO
G180DQA	MW-180	08/31/2001	PROFILE	330.00	330.00	174.00	174.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G180DQA	MW-180	08/31/2001	PROFILE	330.00	330.00	174.00	174.00	8330N	NITROGLYCERIN	NO
G180DSA	MW-180	09/04/2001	PROFILE	350.00	350.00	194.00	194.00	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	NO
G180DSA	MW-180	09/04/2001	PROFILE	350.00	350.00	194.00	194.00	8330N	NITROGLYCERIN	NO
GAB29A	MW-181	08/22/2001	PROFILE	36.00	36.00	1.70	1.70	8330N	2,4,6-TRINITROTOLUENE	YES
GAB29A	MW-181	08/22/2001	PROFILE	36.00	36.00	1.70	1.70	8330N	2-AMINO-4,6-DINITROTOLUENE	YES
GAB29A	MW-181	08/22/2001	PROFILE	36.00	36.00	1.70	1.70	8330N	4-AMINO-2,6-DINITROTOLUENE	YES
GAB29A	MW-181	08/22/2001	PROFILE	36.00	36.00	1.70	1.70	8330N	OCTAHYDRO-1,3,5,7-TETRANITR	YES

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

Groundwater Wells at MMR





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Inset A

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September 13, 2001 PRC