MONTHLY PROGRESS REPORT #25
FOR APRIL 1999

EPA REGION I ADMINISTRATIVE ORDER SDWA I-97-1019
MASSACHUSETTS MILITARY RESERVATION
TRAINING RANGE AND IMPACT AREA

The following summary of progress is for the period from April 1 to April 30, 1999. Scheduled actions are for the six-week period ending June 14, 1999.

1. SUMMARY OF ACTIONS TAKEN

Drilling progress as of April 30 is summarized in Table 1. All RDX investigation wells in the Phase II(a) Workplan were completed during the month.

Table 1. Drilling Progress as of April 30, 1999

Boring Number	Purpose of Boring/Wells	Total Depth (ft bgs)	Depth below water table (ft)	Completed Well Screens (ft bgs)
MW-37	Phase IIa well upgradient of MW-25S	226	106	130-140 145-155 181-191
MW-40	Phase IIa well upgradient of MW-1	222	105	115.5-125.5 132.5-142.5
MW-44	Phase IIa well upgradient of MW-23	238	111	123-133 142-152 182-192
MW-72	Small Arms Range Well (B Range)	127	8	117-127
bgs = below ground surface				

Groundwater sampling continued during the month, for round 2 of the Phase I wells and for round 1 of the new wells. Wells that were sampled during April are summarized in Table 2 (sample type = "groundwater"). Round 2 was completed for the Phase I wells except for one well requiring an access agreement renewal. Work is continuing on the groundwater sampling of the Phase IIa and far field wells in and around the Impact Area. Groundwater profile samples collected during drilling are summarized in Table 2 (sample type = "profile"). Soil samples were collected in the J-3 Wetland during the month (sample type = "soil grid").

There were two technical team conference calls and one technical team meeting during the week of April 5-9. EPA, MADEP, and the Guard spoke by conference call on April 6 to select screen depths for MW-37. The Guard, EPA, and MADEP met on April 8 to discuss various topics including detection maps for the IART meeting, locations of Sandwich monitoring wells, results of an internal field audit, comments on Change 1 to the Phase II (a) Workplan, and the schedule for upcoming activities. EPA and the Guard spoke by conference call on April 9 to select screen depths for MW-40.

There was one technical team conference call and one technical team meeting during the week ending April 16. The Guard, EPA, and MADEP met on April 15 to discuss various topics including:

- A discussion of the IAGS budgets and funding. EPA requested that the Far Field Group 2 wells, the Far Field Wells for the existing water supply wells, and the delineation of explosives in groundwater be added to the list of high priority activities.
- There was a short discussion on possible approaches to resolving the comments on the draft Completion of Work Report.
- A draft map was provided showing the UXO locations and associated safety zones in the Impact Area and Training Range. A plan describing the restrictions on personnel in the safety zones is expected to be finalized on 4/19.
- There was a brief discussion of the USGS presentation for the IART meeting. USGS, the Guard, and Ogden met later in order to coordinate the presentation.
- Ogden provided a summary of the presentation of the Gun and Mortar FSP for the IART meeting.
- Copies of the latest version of the QA/QC Plan were provided. This version supersedes the 3/2/99 version.
- A summary table was provided describing the condition of the supplemental IRP wells which are now being sampled. Several wells could not be sampled because the pump installation was obstructed. Ogden is examining alternative sampling techniques and will contact AFCEE if needed to develop a feasible sampling procedure.
- An aerial photo of the B range was examined to determine an appropriate location of the "lead berm" monitoring well. EPA asked to revisit this issue on Monday when the data for the lead berm sampling could be considered. It was decided that the well should be down gradient of the highest concentration in the berm.
- An 11-page handout providing the preliminary results of the radiological survey performed by Oak Ridge National Laboratory was distributed. The final report for this survey is expected by April 26 and will be distributed to the IART.

There was also a meeting of the Impact Area Review Team on April 15. Topics at this meeting included updates on Arnold Road groundwater sampling, the off-Post munitions survey, plans for on-Post munitions surveys, plans for investigation of gun and mortar positions, resolution of comments on the Completion of Work Report, applications of the USGS groundwater model, TAPP grants, and MMR air space restrictions. EPA, MADEP, and the Guard spoke by conference call on April 16 to select screen depths for MW-44.

There were no technical team conference calls or technical team meetings during the week ending April 23.

There was one technical team meeting and no conference calls during the week ending April 30. The Guard, EPA, and MADEP met on April 29 to discuss technical issues, including:

- Corrective actions arising from Ogden's December 1998 audit of Severn Trent Laboratories.
- Groundwater explosives results for the period from 1997 to the present. There was a discussion of new data, which includes nondetects for the MW-41, -46, and -47 clusters, and detections of RDX and HMX at MW-59. The MW-59 detections are significant in that the profile results for this location were markedly different, with no RDX or HMX detected but high levels of TNT detected. No TNT was present in the monitoring well sample. The RDX and HMX levels at MW-59 are relatively low (<HA) and are consistent with the levels at nearby MW-26 and at downgradient MW-2.
- Future groundwater investigations of RDX exceeding HAs. The highest priority is the investigation at Demo Area 1, which needs determination of the lateral extent of contamination. EPA is also interested in placing a well upgradient from MW-19 to confirm the apparent source.
- Alternative drilling methods which might allow cheaper delineation of contaminants than the current drilling methods.
- Far field monitoring wells for existing water supply wells. The Guard will contact the towns (and 102nd FW for the J well) and try to set up meetings to discuss these wells.

- Compounds identified by EPA as constituents of munitions fired at the KD and U Ranges.
- The status of the draft Phase II (b) Workplan and the draft Gun/Mortar FSP. The workplan will be delivered to the agencies on Monday 5/3 as a summary of existing information for each of the Phase II (b) locations, based on Ogden's and USACE's archive search reports, and a list of areas requiring further investigation. Investigation details will be provided in an addendum.
- MAARNG policy for restricting access to UXO that remains onsite. IAGS personnel are not entering the "safety zones" that have been mapped surrounding these munitions.
- EPA indicated that comments will be forthcoming on information that was not provided in the ASR. Also, EPA indicated that comments will be provided within 2 weeks on the Guard's UXO Survey plan. EPA asked the Guard to coordinate with AFCEE to obtain splits from Arnold Road groundwater samples that are collected in May.
- The Guard indicated that the $2.5M additional funding for the IAGS should be available by the end of May. Also, the Guard expects to hear from Army shortly on an additional funding of $3M.

2. SUMMARY OF DATA RECEIVED

Preliminary non-validated detections of explosives and Volatile Organic Compounds (VOCs) are summarized in Table 3 for samples collected during April and late March. The status of the detection with respect to confirmation using Photo Diode Array (PDA) spectra is indicated in Table 3. Where the PDA status is “YES”, the detected compound has been confirmed to be present in the sample. Where the PDA status is “NO”, the identification of an explosive has been confirmed to be a false positive. A blank in the PDA column indicates that either the spectra have not been evaluated (for explosives), or that they are not applicable (for VOCs).

The results in Table 3 indicate detections of explosives in monitoring wells 27MW0017A (2,4-DANT), MW-23M1 (RDX), MW-25S (RDX, HMX), MW-26S (RDX, HMX), MW-27S (RDX), and MW-59S (RDX, HMX). The detections of RDX in MW-23M1 and MW-25S were also observed in Phase I; the other detections are new for this round of sampling, although there was a previous detection of RDX in MW-27S in a split sample analyzed by EPA. Concentrations of the detections are not being released pending validation. With the exceptions of MW-23M1 and MW-25S, the unvalidated concentrations do not exceed Health Advisories (HA) established by EPA.

The results in Table 3 indicate detections of explosives in profile samples from borings MW-37 and MW-44. 2,6-DNT was detected in samples from both borings, and HMX was detected in one profile sample from the MW-37 boring.

Validated data were received during April for the Sample Delivery Groups 94-97 and 101. These SDGs represent some of the earliest samples from this phase of work, collected in January 1999. The validated data are provided in an attachment to this report. Results include explosives and VOCs, mainly for profile samples. Following is a brief summary of the validated data.

Explosives were identified at two locations in the validated results, with two exceedances of the HA for RDX. RDX and HMX were detected in two profile samples from MW-34, installed downgradient from Demo Area 1. Concentrations of RDX were 13-29 ug/l (HA=2), and of HMX were 0.46-0.53ug/l (HA=400). 2,6-DNT was detected in a profile sample from MW-46, installed upgradient from LRWS-2, at a concentration of 0.97 ug/l (HA=5).

VOCs were identified at five locations in the validated results, with no exceedances of EPA’s drinking water criteria. Acetone (5-12 ug/l), toluene (0.60 ug/l), chloroform (0.50-0.60 ug/l), and tetrachloroethene (0.80-2.0

ug/l) were detected in eight profile samples from MW-34. Acetone (7.0-8.0 ug/l) was detected in two profile samples from MW-46. Chloroform (0.60-1.0 ug/l) was detected in 11profile samples from MW-47, installed upgradient from LRWS-2. Chloromethane (0.40-0.50 ug/l), chloroform (0.40-0.60 ug/l), bromoform (0.60 ug/l), dibromochloromethane (0.60-0.70 ug/l), and toluene (0.60-51 ug/l) were detected in 11 profile samples from MW-52, installed upgradient from LRWS-1. Chloroform (0.50-1.0 ug/l) and toluene (1.0 ug/l) were detected in 12 profile samples from MW-53, installed upgradient from LRWS-1.

3. DELIVERABLES SUBMITTED

Deliverables submitted during the reporting period included the following:

Weekly Progress Update (March 29-April 2)	April 7, 1999
Monthly Progress Report No. 24 (March 1999)	April 12, 1999
Weekly Progress Update (April 5-9)	April 13, 1999
Final Field Sampling Plan for Completion of Phase I Drilling Activities	April 14, 1999
Final Field Sampling Plan for Phase II(a) Drilling to Investigate RDX Exceedances	April 14, 1999
Weekly Progress Update (April 12-16)	April 21, 1999
Draft Supplement #1 to the Field Sampling Plan for Groundwater	April 22, 1999
Weekly Progress Update (April 16-23)	April 29, 1999

4. SCHEDULED ACTIONS

Figure 1 provides a Gantt chart based on the Final Action Plan, updated to reflect progress and proposed work. Activities scheduled for May and early June include: procure $2.5M funding, EPA complete review of draft PEP Analytical Report, prepare final Phase I Workplan, mobilize for installation of Group 2 wells, EPA complete review of drinking water analytes QA/QC, begin sampling water supply wells, complete sampling/analysis for supplemental IRP wells, continue sampling/analysis for far field monitoring wells (round 1), complete development and sampling Demo 1 wells, complete Demo 1 groundwater response plan, begin Demo 1 soil sampling, complete evaluation of pilot testing and remedies for Demo 1, complete Phase II (a) workplan, continue sampling Phase II (a) wells (round 1), complete sampling/analysis for J-3 Wetland, complete Munitions Survey Workplan, complete draft workplan for Training Areas, begin soil sampling for KD/U Ranges, complete draft FSP for Gun/Mortar positions, complete scoping/mobilization for recon of trenches, excavations, etc., begin sampling/analysis of SAR monitoring wells, and complete scoping/mobilization for reconnaissance of mortar targets. The next meeting of the Impact Area Groundwater Study Review Team has been scheduled for May 20, 1999.

TABLE 2
SAMPLING PROGRESS
4/1-4/30

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED
03MW0710E	FIELDQC	4/15/1999	FIELDQC	0	0
03MW0710T	FIELDQC	4/15/1999	FIELDQC	0	0
03MW70AE	FIELDQC	4/20/1999	FIELDQC	0	0
03MW70AT	FIELDQC	4/20/1999	FIELDQC	0	0
03WT0021E	FIELDQC	4/14/1999	FIELDQC	0	0
15MW0002E	FIELDQC	4/8/1999	FIELDQC	0	0
15MW0004E	FIELDQC	4/9/1999	FIELDQC	0	0
15MW0004T	FIELDQC	4/9/1999	FIELDQC	0	0
15MW0005E	FIELDQC	4/28/1999	FIELDQC	0	0
15MW0006E	FIELDQC	4/12/1999	FIELDQC	0	0
15WT0007E	FIELDQC	4/13/1999	FIELDQC	0	0
27MW0012AE	FIELDQC	4/19/1999	FIELDQC	0	0
27MW0012AT	FIELDQC	4/19/1999	FIELDQC	0	0
27MW0017BE	FIELDQC	4/29/1999	FIELDQC	0	0
27MW0017BF	FIELDQC	4/30/1999	FIELDQC	0	0
27MW0017BT	FIELDQC	4/30/1999	FIELDQC	0	0
27MW0020ZE	FIELDQC	4/16/1999	FIELDQC	0	0
27MW0020ZF	FIELDQC	4/16/1999	FIELDQC	0	0
27MW0020ZT	FIELDQC	4/16/1999	FIELDQC	0	0
90MW0019E	FIELDQC	4/21/1999	FIELDQC	0	0
90MW0019T	FIELDQC	4/21/1999	FIELDQC	0	0
90MW0029BT	FIELDQC	4/23/1999	FIELDQC	0	0
90MW0031E	FIELDQC	4/22/1999	FIELDQC	0	0
90MW0031T	FIELDQC	4/22/1999	FIELDQC	0	0
G37MFE	FIELDQC	4/1/1999	FIELDQC	0	0
G37MFT	FIELDQC	4/1/1999	FIELDQC	0	0
G40MIT	FIELDQC	4/6/1999	FIELDQC	0	0
G40MJE	FIELDQC	4/7/1999	FIELDQC	0	0
G40MJT	FIELDQC	4/7/1999	FIELDQC	0	0
G44MAE	FIELDQC	4/12/1999	FIELDQC	0	0
G44MAF	FIELDQC	4/9/1999	FIELDQC	0	0
G44MAT	FIELDQC	4/12/1999	FIELDQC	0	0
G44MCE	FIELDQC	4/13/1999	FIELDQC	0	0
G44MCT	FIELDQC	4/13/1999	FIELDQC	0	0
G44MJE	FIELDQC	4/14/1999	FIELDQC	0	0
G44MJT	FIELDQC	4/14/1999	FIELDQC	0	0
HC23D1AAT	FIELDQC	4/15/1999	FIELDQC	0	0
HC23F1BAE	FIELDQC	4/16/1999	FIELDQC	0	0
HC23F1CAE	FIELDQC	4/20/1999	FIELDQC	0	0
HC23F1CAT	FIELDQC	4/19/1999	FIELDQC	0	0
HC44A1BAT	FIELDQC	4/22/1999	FIELDQC	0	0
W21M1T	FIELDQC	4/8/1999	FIELDQC	0	0
W41M1T	FIELDQC	4/5/1999	FIELDQC	0	0
W50DDT	FIELDQC	4/27/1999	FIELDQC	0	0
W51M1F	FIELDQC	4/26/1999	FIELDQC	0	0
W51M1T	FIELDQC	4/26/1999	FIELDQC	0	0
W52DDT	FIELDQC	4/2/1999	FIELDQC	0	0
W52M2T	FIELDQC	4/29/1999	FIELDQC	0	0
W52SST	FIELDQC	4/28/1999	FIELDQC	0	0
WSMR3E	FIELDQC	4/2/1999	FIELDQC	0	0
03MW0006	03MW0006	4/15/1999	GROUNDWATER	0	10

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 for soil and profile, and feet below water table for groundwater
SED = Sample End Depth, measured in feet bgs for soil and profile, and feet below water table for groundwater

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4/1-4/30

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED
03MW0007A	03MW0007A	4/13/1999	GROUNDWATER	21	26
03MW0014A	03MW0014A	4/13/1999	GROUNDWATER	38	43
03MW0020	03MW0020	4/14/1999	GROUNDWATER	36	41
03MW0022A	03MW0022A	4/16/1999	GROUNDWATER	71	76
03MW0024A	03MW0024A	4/16/1999	GROUNDWATER	70	75
03MW0027A	03MW0027A	4/14/1999	GROUNDWATER	64	69
03MW0048	03MW0048	4/19/1999	GROUNDWATER	52	57
03MW0070A	03MW0070A	4/20/1999	GROUNDWATER	0	0
03MW0709	03MW0709	4/14/1999	GROUNDWATER	7	17
03MW0710	03MW0710	4/15/1999	GROUNDWATER	11	21
03WT0021	03WT0021	4/14/1999	GROUNDWATER	1	10
11MW0001	11MW0001	4/15/1999	GROUNDWATER	0	10
11MW0002	11MW0002	4/19/1999	GROUNDWATER	0	10
11MW0004	11MW0004	4/16/1999	GROUNDWATER	0	10
15MW0002	15MW0002	4/8/1999	GROUNDWATER	0	10
15MW0004	15MW0004	4/9/1999	GROUNDWATER	0	10
15MW0005	15MW0005	4/28/1999	GROUNDWATER	3	13
15MW0006	15MW0006	4/12/1999	GROUNDWATER	43	54
15MW0008	15MW0008	4/12/1999	GROUNDWATER	0	0
15MW0008D	15MW0008	4/12/1999	GROUNDWATER	0	0
15MW0009	15MW0009	4/13/1999	GROUNDWATER	0	0
15WT0007	15WT0007	4/13/1999	GROUNDWATER	0	0
27MW0011A	27MW0011A	4/29/1999	GROUNDWATER	70	75
27MW0012A	27MW0012A	4/19/1999	GROUNDWATER	69	74
27MW0017A	27MW0017A	4/19/1999	GROUNDWATER	65	70
27MW0017B	27MW0017B	4/30/1999	GROUNDWATER	21	26
27MW0017BD	27MW0017B	4/30/1999	GROUNDWATER	21	26
27MW0020Z	27MW0020Z	4/16/1999	GROUNDWATER	98	103
90MW0004	90MW0004	4/20/1999	GROUNDWATER	73	78
90MW0005	90MW0005	4/19/1999	GROUNDWATER	98	103
90MW0013	90MW0013	4/20/1999	GROUNDWATER	0	10
90MW0014	90MW0014	4/21/1999	GROUNDWATER	78	83
90MW0019	90MW0019	4/21/1999	GROUNDWATER	78	83
90MW0021	90MW0021	4/22/1999	GROUNDWATER	78	83
90MW0029B	90MW0029B	4/23/1999	GROUNDWATER	0	10
90MW0031	90MW0031	4/22/1999	GROUNDWATER	112	117
90MW0038	90MW0038	4/21/1999	GROUNDWATER	29	34
90WT0015	90WT0015	4/23/1999	GROUNDWATER	0	10
W21M1A	MW-21	4/8/1999	GROUNDWATER	93	103
W21M2A	MW-21	4/1/1999	GROUNDWATER	58	68
W21M3A	MW-21	4/1/1999	GROUNDWATER	28	38
W41M1A	MW-41	4/5/1999	GROUNDWATER	110	120
W41M2A	MW-41	4/2/1999	GROUNDWATER	69	79
W41M3A	MW-41	4/6/1999	GROUNDWATER	0	10
W46DDA	MW-46	4/1/1999	GROUNDWATER	135	145
W50DDA	MW-50	4/27/1999	GROUNDWATER	120.5	130.5
W50DDD	MW-50	4/27/1999	GROUNDWATER	120.5	130.5
W50M1A	MW-50	4/27/1999	GROUNDWATER	90	100
W50M2A	MW-50	4/26/1999	GROUNDWATER	59	69
W50M3A	MW-50	4/26/1999	GROUNDWATER	29	39
W50SSA	MW-50	4/23/1999	GROUNDWATER	0	10

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 for soil and profile, and feet below water table for groundwater
SED = Sample End Depth, measured in feet bgs for soil and profile, and feet below water table for groundwater

TABLE 2
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4/1-4/30

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED
W51DDA	MW-51	4/26/1999	GROUNDWATER	130	140
W51M1A	MW-51	4/27/1999	GROUNDWATER	90	100
W51M1D	MW-51	4/27/1999	GROUNDWATER	90	100
W51M2A	MW-51	4/27/1999	GROUNDWATER	60.5	70.5
W51M3A	MW-51	4/28/1999	GROUNDWATER	29	39
W52DDA	MW-52	4/2/1999	GROUNDWATER	219	229
W52M1A	MW-52	4/28/1999	GROUNDWATER	139	149
W52M2A	MW-52	4/29/1999	GROUNDWATER	74	84
W52M3A	MW-52	4/7/1999	GROUNDWATER	26	36
W52SSA	MW-52	4/28/1999	GROUNDWATER	0	10
W54M1A	MW-54	4/30/1999	GROUNDWATER	80	90
W54SSA	MW-54	4/30/1999	GROUNDWATER	0	10
W59M1A	MW-59	4/1/1999	GROUNDWATER	35	45
WSMR3A	SMR-4	4/2/1999	GROUNDWATER	0	10
DW3620	GAC WATER	4/20/1999	IDW	0	0
DW3823	GAC WATER	4/23/1999	IDW	0	0
DW4414	GAC WATER	4/15/1999	IDW	0	0
DW5115	GAC WATER	4/15/1999	IDW	0	0
DW5308	GAC WATER	4/8/1999	IDW	0	0
DW5413	GAC WATER	4/13/1999	IDW	0	0
SC3601	SOIL CUTTINGS	4/7/1999	IDW	0	0
SC3602	SOIL CUTTINGS	4/7/1999	IDW	0	0
SC3701	SOIL CUTTINGS	4/7/1999	IDW	0	0
SC3702	SOIL CUTTINGS	4/7/1999	IDW	0	0
SC3801	SOIL CUTTINGS	4/7/1999	IDW	0	0
SC3802	SOIL CUTTINGS	4/7/1999	IDW	0	0
SC3901	SOIL CUTTINGS	4/7/1999	IDW	0	0
SC3902	SOIL CUTTINGS	4/7/1999	IDW	0	0
SC4001	SOIL CUTTINGS	4/7/1999	IDW	0	0
SC4002	SOIL CUTTINGS	4/7/1999	IDW	0	0
SC4401	SOIL CUTTINGS	4/27/1999	IDW	0	0
SC4402	SOIL CUTTINGS	4/27/1999	IDW	0	0
SC4501	SOIL CUTTINGS	4/7/1999	IDW	0	0
SC4502	SOIL CUTTINGS	4/7/1999	IDW	0	0
SC5401	SOIL CUTTINGS	4/7/1999	IDW	0	0
SC5402	SOIL CUTTINGS	4/7/1999	IDW	0	0
SC5501	SOIL CUTTINGS	4/7/1999	IDW	0	0
SC5502	SOIL CUTTINGS	4/7/1999	IDW	0	0
SC7201	SOIL CUTTINGS	4/27/1999	IDW	0	0
SC7202	SOIL CUTTINGS	4/27/1999	IDW	0	0
G37MFA	MW-37	4/1/1999	PROFILE	176	176
G37MGA	MW-37	4/1/1999	PROFILE	186	186
G37MHA	MW-37	4/1/1999	PROFILE	196	196
G37MIA	MW-37	4/1/1999	PROFILE	206	206
G37MJA	MW-37	4/1/1999	PROFILE	216	216
G37MKA	MW-37	4/1/1999	PROFILE	226	226
G40MAA	MW-40	4/5/1999	PROFILE	132	132
G40MBA	MW-40	4/6/1999	PROFILE	142	142
G40MBD	MW-40	4/6/1999	PROFILE	142	142
G40MCA	MW-40	4/6/1999	PROFILE	152	152
G40MDA	MW-40	4/6/1999	PROFILE	162	162

Profiling methods include: Volatiles and Explosives
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
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SED = Sample End Depth, measured in feet bgs for soil and profile, and feet below water table for groundwater

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SAMPLING PROGRESS
4/1-4/30

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED
G40MEA	MW-40	4/6/1999	PROFILE	172	172
G40MFA	MW-40	4/6/1999	PROFILE	182	182
G40MGA	MW-40	4/6/1999	PROFILE	192	192
G40MHA	MW-40	4/6/1999	PROFILE	202	202
G40MHD	MW-40	4/6/1999	PROFILE	202	202
G40MIA	MW-40	4/6/1999	PROFILE	212	212
G40MJA	MW-40	4/7/1999	PROFILE	222	222
G44MAA	MW-44	4/12/1999	PROFILE	137.6	137.6
G44MBA	MW-44	4/12/1999	PROFILE	147.6	147.6
G44MBD	MW-44	4/12/1999	PROFILE	147.6	147.6
G44MCA	MW-44	4/13/1999	PROFILE	157.5	157.5
G44MDA	MW-44	4/13/1999	PROFILE	167.5	167.5
G44MEA	MW-44	4/13/1999	PROFILE	177.5	177.5
G44MFA	MW-44	4/13/1999	PROFILE	187.5	187.5
G44MGA	MW-44	4/13/1999	PROFILE	197.5	197.5
G44MHA	MW-44	4/13/1999	PROFILE	207.5	207.5
G44MIA	MW-44	4/13/1999	PROFILE	217.5	217.5
G44MJA	MW-44	4/14/1999	PROFILE	227.5	227.5
G44MKA	MW-44	4/14/1999	PROFILE	237.5	237.5
HC23D1AAA	23D	4/19/1999	SOIL GRID	0	.25
HC23D1AAD	23D	4/19/1999	SOIL GRID	0	.25
HC23D1BAA	23D	4/20/1999	SOIL GRID	.25	.5
HC23D1CAA	23D	4/20/1999	SOIL GRID	.5	1
HC23D3CAA	23D	4/20/1999	SOIL GRID	.5	1
HC23E1AAA	23E	4/20/1999	SOIL GRID	0	.25
HC23E1BAA	23E	4/19/1999	SOIL GRID	.25	.5
HC23E1CAA	23E	4/19/1999	SOIL GRID	.5	1
HC23F1AAA	23F	4/15/1999	SOIL GRID	0	.25
HC23F1BAA	23F	4/15/1999	SOIL GRID	.25	.5
HC23F1CAA	23F	4/19/1999	SOIL GRID	.5	1
HC23G1AAA	23G	4/15/1999	SOIL GRID	0	.25
HC23G1BAA	23G	4/15/1999	SOIL GRID	.25	.5
HC23G1CAA	23G	4/15/1999	SOIL GRID	.5	1
HC23G1CAD	23G	4/15/1999	SOIL GRID	.5	1
HD23D3AAA	23D	4/19/1999	SOIL GRID	0	.25
HD23D3BAA	23D	4/19/1999	SOIL GRID	.25	.5
HD23E3AAA	23E	4/19/1999	SOIL GRID	0	.25
HD23E3BAA	23E	4/19/1999	SOIL GRID	.25	.5
HD23E3CAA	23E	4/19/1999	SOIL GRID	.5	1
HD23F3AAA	23F	4/15/1999	SOIL GRID	0	.25
HD23F3BAA	23F	4/15/1999	SOIL GRID	.25	.5
HD23F3CAA	23F	4/19/1999	SOIL GRID	.5	1
HD23G3AAA	23G	4/15/1999	SOIL GRID	0	.25
HD23G3BAA	23G	4/15/1999	SOIL GRID	.25	.5
HD23G3CAA	23G	4/15/1999	SOIL GRID	.5	1
HD23H1AAA	23H	4/20/1999	SOIL GRID	0	.5
HD23I1AAA	23I	4/20/1999	SOIL GRID	0	.5
HD23J1AAA	23J	4/20/1999	SOIL GRID	0	.5
HD23K1AAA	23K	4/20/1999	SOIL GRID	0	.5
HD23K1AAD	23K	4/20/1999	SOIL GRID	0	.5

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 for soil and profile, and feet below water table for groundwater
SED = Sample End Depth, measured in feet bgs for soil and profile, and feet below water table for groundwater

TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 3/15/99-4/30/99

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMP_TYPE	SBD	SED	METHOD	OGDEN_ANALYTE	PDA
03MW0022A	03MW0022A	4/16/1999	GROUNDWATER	71	76	8330N	1,3,5-TRINITROBENZENE	NO
15MW0009	15MW0009	4/13/1999	GROUNDWATER	0	0	8330N	1,3,5-TRINITROBENZENE	NO
27MW0017A	27MW0017A	4/19/1999	GROUNDWATER	65	70	8330N	1,3,5-TRINITROBENZENE	NO
27MW0017A	27MW0017A	4/19/1999	GROUNDWATER	65	70	8330N	1,3-DINITROBENZENE	NO
27MW0017A	27MW0017A	4/19/1999	GROUNDWATER	65	70	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES
27MW0017A	27MW0017A	4/19/1999	GROUNDWATER	65	70	8330N	3-NITROTOLUENE	NO
27MW0017A	27MW0017A	4/19/1999	GROUNDWATER	65	70	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZI	NO
27MW0017A	27MW0017A	4/19/1999	GROUNDWATER	65	70	8330N	NITROGLYCERIN	NO
27MW0017A	27MW0017A	4/19/1999	GROUNDWATER	65	70	8330N	PICRIC ACID	NO
27MW0020Z	27MW0020Z	4/16/1999	GROUNDWATER	98	103	8330N	1,3-DINITROBENZENE	NO
90MW0005	90MW0005	4/19/1999	GROUNDWATER	98	103	8330N	1,3,5-TRINITROBENZENE	NO
90MW0005	90MW0005	4/19/1999	GROUNDWATER	98	103	8330N	NITROGLYCERIN	NO
90WT0015	90WT0015	4/23/1999	GROUNDWATER	0	10	8330N	NITROGLYCERIN	NO
W23M1A	WL23M1	3/18/1999	GROUNDWATER	99	109	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZI	YES
W23M1D	WL23M1	3/18/1999	GROUNDWATER	99	109	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZI	YES
W25SSA	WL25	3/17/1999	GROUNDWATER	0	10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZI	YES
W25SSA	WL25	3/17/1999	GROUNDWATER	0	10	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7	YES
W26SSA	WL26	3/17/1999	GROUNDWATER	0	10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZI	YES
W26SSA	WL26	3/17/1999	GROUNDWATER	0	10	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7	YES
W27SSA	WL27	3/18/1999	GROUNDWATER	0	10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZI	YES
W59SSA	WL59S	3/30/1999	GROUNDWATER	0	10	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZI	YES
W59SSA	WL59S	3/30/1999	GROUNDWATER	0	10	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7	YES
G37MAA	WL37M1	3/31/1999	PROFILE	126	126	8330N	2,6-DINITROTOLUENE	YES
G37MAA	WL37M1	3/31/1999	PROFILE	126	126	8330N	3-NITROTOLUENE	NO
G37MAA	WL37M1	3/31/1999	PROFILE	126	126	8330N	4-NITROTOLUENE	NO
G37MAA	WL37M1	3/31/1999	PROFILE	126	126	8330N	NITROBENZENE	NO
G37MAA	WL37M1	3/31/1999	PROFILE	126	126	8330N	NITROGLYCERIN	NO
G37MAA	WL37M1	3/31/1999	PROFILE	126	126	8330N	PENTAERYTHRITOL TETRANITRATE	NO
G37MAA	WL37M1	3/31/1999	PROFILE	126	126	8330N	PICRIC ACID	NO
G37MAA	WL37M1	3/31/1999	PROFILE	126	126	8330N	TETRYL	NO
G37MAA	WL37M1	3/31/1999	PROFILE	126	126	OC21V	ACETONE	
G37MAA	WL37M1	3/31/1999	PROFILE	126	126	OC21V	CHLOROMETHANE	
G37MAA	WL37M1	3/31/1999	PROFILE	126	126	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G37MBA	WL37M1	3/31/1999	PROFILE	136	136	8330N	2,6-DINITROTOLUENE	YES
G37MBA	WL37M1	3/31/1999	PROFILE	136	136	8330N	3-NITROTOLUENE	NO

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 3/15/99-4/30/99

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMP_TYPE	SBD	SED	METHOD	OGDEN_ANALYTE	PDA
G37MBA	WL37M1	3/31/1999	PROFILE	136	136	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZI	NO
G37MBA	WL37M1	3/31/1999	PROFILE	136	136	8330N	NITROGLYCERIN	NO
G37MBA	WL37M1	3/31/1999	PROFILE	136	136	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7	YES
G37MBA	WL37M1	3/31/1999	PROFILE	136	136	OC21V	ACETONE	
G37MBA	WL37M1	3/31/1999	PROFILE	136	136	OC21V	CHLOROMETHANE	
G37MBA	WL37M1	3/31/1999	PROFILE	136	136	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G37MCA	WL37M1	3/31/1999	PROFILE	146	146	8330N	2,6-DINITROTOLUENE	YES
G37MCA	WL37M1	3/31/1999	PROFILE	146	146	8330N	3-NITROTOLUENE	NO
G37MCA	WL37M1	3/31/1999	PROFILE	146	146	8330N	4-NITROTOLUENE	NO
G37MCA	WL37M1	3/31/1999	PROFILE	146	146	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZI	NO
G37MCA	WL37M1	3/31/1999	PROFILE	146	146	8330N	NITROGLYCERIN	NO
G37MCA	WL37M1	3/31/1999	PROFILE	146	146	OC21V	ACETONE	
G37MCA	WL37M1	3/31/1999	PROFILE	146	146	OC21V	CHLOROMETHANE	
G37MCA	WL37M1	3/31/1999	PROFILE	146	146	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G37MCD	WL37M1	3/31/1999	PROFILE	146	146	8330N	2,6-DINITROTOLUENE	YES
G37MCD	WL37M1	3/31/1999	PROFILE	146	146	8330N	2-NITROTOLUENE	NO
G37MCD	WL37M1	3/31/1999	PROFILE	146	146	8330N	3-NITROTOLUENE	NO
G37MCD	WL37M1	3/31/1999	PROFILE	146	146	8330N	4-NITROTOLUENE	NO
G37MCD	WL37M1	3/31/1999	PROFILE	146	146	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZI	NO
G37MCD	WL37M1	3/31/1999	PROFILE	146	146	8330N	NITROBENZENE	NO
G37MCD	WL37M1	3/31/1999	PROFILE	146	146	8330N	NITROGLYCERIN	NO
G37MCD	WL37M1	3/31/1999	PROFILE	146	146	8330N	PICRIC ACID	NO
G37MDA	WL37M1	3/31/1999	PROFILE	156	156	8330N	3-NITROTOLUENE	NO
G37MDA	WL37M1	3/31/1999	PROFILE	156	156	8330N	4-NITROTOLUENE	NO
G37MDA	WL37M1	3/31/1999	PROFILE	156	156	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZI	NO
G37MDA	WL37M1	3/31/1999	PROFILE	156	156	8330N	NITROGLYCERIN	NO
G37MDA	WL37M1	3/31/1999	PROFILE	156	156	8330N	PICRIC ACID	NO
G37MDA	WL37M1	3/31/1999	PROFILE	156	156	OC21V	ACETONE	
G37MDA	WL37M1	3/31/1999	PROFILE	156	156	OC21V	CHLOROMETHANE	
G37MDA	WL37M1	3/31/1999	PROFILE	156	156	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G37MEA	WL37M1	3/31/1999	PROFILE	166	166	8330N	2,6-DINITROTOLUENE	YES
G37MEA	WL37M1	3/31/1999	PROFILE	166	166	8330N	3-NITROTOLUENE	NO
G37MEA	WL37M1	3/31/1999	PROFILE	166	166	8330N	NITROGLYCERIN	NO
G37MEA	WL37M1	3/31/1999	PROFILE	166	166	OC21V	ACETONE	
G37MEA	WL37M1	3/31/1999	PROFILE	166	166	OC21V	CHLOROMETHANE	

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SED = SAMPLE COLLECTION END DEPTH (FEET BGS FOR SOILS AND PROFILE, FEET BELOW WATER TABLE FOR GROUNDWATER)
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PDA/NO = Photo Diode Array, Detect Not Confirmed

TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 3/15/99-4/30/99

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMP_TYPE	SBD	SED	METHOD	OGDEN_ANALYTE	PDA
G37MEA	WL37M1	3/31/1999	PROFILE	166	166	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G37MFA	WL37M1	4/1/1999	PROFILE	176	176	8330N	3-NITROTOLUENE	NO
G37MFA	WL37M1	4/1/1999	PROFILE	176	176	8330N	4-NITROTOLUENE	NO
G37MFA	WL37M1	4/1/1999	PROFILE	176	176	8330N	NITROGLYCERIN	NO
G37MFA	WL37M1	4/1/1999	PROFILE	176	176	8330N	PICRIC ACID	NO
G37MFA	WL37M1	4/1/1999	PROFILE	176	176	OC21V	ACETONE	
G37MFA	WL37M1	4/1/1999	PROFILE	176	176	OC21V	CHLOROFORM	
G37MFA	WL37M1	4/1/1999	PROFILE	176	176	OC21V	CHLOROMETHANE	
G37MFA	WL37M1	4/1/1999	PROFILE	176	176	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G37MGA	WL37M1	4/1/1999	PROFILE	186	186	8330N	2,6-DINITROTOLUENE	YES
G37MGA	WL37M1	4/1/1999	PROFILE	186	186	8330N	3-NITROTOLUENE	NO
G37MGA	WL37M1	4/1/1999	PROFILE	186	186	8330N	4-NITROTOLUENE	NO
G37MGA	WL37M1	4/1/1999	PROFILE	186	186	8330N	NITROGLYCERIN	NO
G37MGA	WL37M1	4/1/1999	PROFILE	186	186	8330N	PICRIC ACID	NO
G37MGA	WL37M1	4/1/1999	PROFILE	186	186	OC21V	ACETONE	
G37MGA	WL37M1	4/1/1999	PROFILE	186	186	OC21V	CHLOROFORM	
G37MGA	WL37M1	4/1/1999	PROFILE	186	186	OC21V	CHLOROMETHANE	
G37MGA	WL37M1	4/1/1999	PROFILE	186	186	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G37MHA	WL37M1	4/1/1999	PROFILE	196	196	8330N	3-NITROTOLUENE	NO
G37MHA	WL37M1	4/1/1999	PROFILE	196	196	8330N	NITROGLYCERIN	NO
G37MHA	WL37M1	4/1/1999	PROFILE	196	196	OC21V	ACETONE	
G37MHA	WL37M1	4/1/1999	PROFILE	196	196	OC21V	CHLOROFORM	
G37MHA	WL37M1	4/1/1999	PROFILE	196	196	OC21V	CHLOROMETHANE	
G37MIA	WL37M1	4/1/1999	PROFILE	206	206	8330N	2,6-DINITROTOLUENE	YES
G37MIA	WL37M1	4/1/1999	PROFILE	206	206	8330N	3-NITROTOLUENE	NO
G37MIA	WL37M1	4/1/1999	PROFILE	206	206	8330N	4-NITROTOLUENE	NO
G37MIA	WL37M1	4/1/1999	PROFILE	206	206	8330N	NITROGLYCERIN	NO
G37MIA	WL37M1	4/1/1999	PROFILE	206	206	8330N	PICRIC ACID	NO
G37MIA	WL37M1	4/1/1999	PROFILE	206	206	OC21V	ACETONE	
G37MIA	WL37M1	4/1/1999	PROFILE	206	206	OC21V	CHLOROFORM	
G37MIA	WL37M1	4/1/1999	PROFILE	206	206	OC21V	CHLOROMETHANE	
G37MIA	WL37M1	4/1/1999	PROFILE	206	206	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G37MJA	WL37M1	4/1/1999	PROFILE	216	216	8330N	3-NITROTOLUENE	NO
G37MJA	WL37M1	4/1/1999	PROFILE	216	216	8330N	NITROGLYCERIN	NO
G37MJA	WL37M1	4/1/1999	PROFILE	216	216	8330N	PICRIC ACID	NO

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 3/15/99-4/30/99

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMP_TYPE	SBD	SED	METHOD	OGDEN_ANALYTE	PDA
G37MJA	WL37M1	4/1/1999	PROFILE	216	216	OC21V	ACETONE	
G37MJA	WL37M1	4/1/1999	PROFILE	216	216	OC21V	CHLOROFORM	
G37MJA	WL37M1	4/1/1999	PROFILE	216	216	OC21V	CHLOROMETHANE	
G37MKA	WL37M1	4/1/1999	PROFILE	226	226	8330N	3-NITROTOLUENE	NO
G37MKA	WL37M1	4/1/1999	PROFILE	226	226	8330N	NITROGLYCERIN	NO
G37MKA	WL37M1	4/1/1999	PROFILE	226	226	8330N	PICRIC ACID	NO
G37MKA	WL37M1	4/1/1999	PROFILE	226	226	OC21V	ACETONE	
G37MKA	WL37M1	4/1/1999	PROFILE	226	226	OC21V	CHLOROFORM	
G37MKA	WL37M1	4/1/1999	PROFILE	226	226	OC21V	CHLOROMETHANE	
G37MKA	WL37M1	4/1/1999	PROFILE	226	226	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G38MOA	WL38M1	3/17/1999	PROFILE	270	270	8330N	1,3,5-TRINITROBENZENE	NO
G38MOA	WL38M1	3/17/1999	PROFILE	270	270	8330N	3-NITROTOLUENE	NO
G38MOA	WL38M1	3/17/1999	PROFILE	270	270	8330N	4-NITROTOLUENE	NO
G38MOA	WL38M1	3/17/1999	PROFILE	270	270	OC21V	ACETONE	
G38MOA	WL38M1	3/17/1999	PROFILE	270	270	OC21V	CHLOROMETHANE	
G38MOA	WL38M1	3/17/1999	PROFILE	270	270	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G38MPA	WL38M1	3/17/1999	PROFILE	274	274	8330N	1,3-DINITROBENZENE	NO
G38MPA	WL38M1	3/17/1999	PROFILE	274	274	8330N	NITROGLYCERIN	NO
G38MPA	WL38M1	3/17/1999	PROFILE	274	274	OC21V	ACETONE	
G38MPD	WL38M1	3/17/1999	PROFILE	274	274	8330N	1,3,5-TRINITROBENZENE	NO
G38MPD	WL38M1	3/17/1999	PROFILE	274	274	OC21V	ACETONE	
G39MAA	WL39M1	3/22/1999	PROFILE	140	140	8330N	1,3,5-TRINITROBENZENE	NO
G39MAA	WL39M1	3/22/1999	PROFILE	140	140	8330N	1,3-DINITROBENZENE	NO
G39MAA	WL39M1	3/22/1999	PROFILE	140	140	8330N	2,6-DINITROTOLUENE	NO
G39MAA	WL39M1	3/22/1999	PROFILE	140	140	8330N	3-NITROTOLUENE	NO
G39MAA	WL39M1	3/22/1999	PROFILE	140	140	8330N	NITROGLYCERIN	NO
G39MAA	WL39M1	3/22/1999	PROFILE	140	140	8330N	PENTAERYTHRITOL TETRANITRATE	NO
G39MAA	WL39M1	3/22/1999	PROFILE	140	140	8330N	PICRIC ACID	NO
G39MAA	WL39M1	3/22/1999	PROFILE	140	140	OC21V	ACETONE	
G39MAA	WL39M1	3/22/1999	PROFILE	140	140	OC21V	CHLOROFORM	
G39MAA	WL39M1	3/22/1999	PROFILE	140	140	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G39MBA	WL39M1	3/24/1999	PROFILE	150	150	8330N	1,3,5-TRINITROBENZENE	NO
G39MBA	WL39M1	3/24/1999	PROFILE	150	150	8330N	NITROGLYCERIN	NO
G39MBA	WL39M1	3/24/1999	PROFILE	150	150	8330N	PICRIC ACID	NO
G39MBA	WL39M1	3/24/1999	PROFILE	150	150	OC21V	ACETONE	

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 3/15/99-4/30/99

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMP_TYPE	SBD	SED	METHOD	OGDEN_ANALYTE	PDA
G39MBA	WL39M1	3/24/1999	PROFILE	150	150	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G39MCA	WL39M1	3/24/1999	PROFILE	160	160	8330N	1,3,5-TRINITROBENZENE	NO
G39MCA	WL39M1	3/24/1999	PROFILE	160	160	8330N	1,3-DINITROBENZENE	NO
G39MCA	WL39M1	3/24/1999	PROFILE	160	160	8330N	2,6-DINITROTOLUENE	NO
G39MCA	WL39M1	3/24/1999	PROFILE	160	160	8330N	3-NITROTOLUENE	NO
G39MCA	WL39M1	3/24/1999	PROFILE	160	160	8330N	4-NITROTOLUENE	NO
G39MCA	WL39M1	3/24/1999	PROFILE	160	160	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZI	NO
G39MCA	WL39M1	3/24/1999	PROFILE	160	160	8330N	NITROGLYCERIN	NO
G39MCA	WL39M1	3/24/1999	PROFILE	160	160	8330N	PENTAERYTHRITOL TETRANITRATE	NO
G39MCA	WL39M1	3/24/1999	PROFILE	160	160	8330N	PICRIC ACID	NO
G39MCA	WL39M1	3/24/1999	PROFILE	160	160	OC21V	ACETONE	
G39MCA	WL39M1	3/24/1999	PROFILE	160	160	OC21V	CHLOROETHANE	
G39MCA	WL39M1	3/24/1999	PROFILE	160	160	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G39MCA	WL39M1	3/24/1999	PROFILE	160	160	OC21V	METHYL ISOBUTYL KETONE (4-METHYL-2	
G39MDA	WL39M1	3/25/1999	PROFILE	170	170	8330N	1,3,5-TRINITROBENZENE	NO
G39MDA	WL39M1	3/25/1999	PROFILE	170	170	8330N	1,3-DINITROBENZENE	NO
G39MDA	WL39M1	3/25/1999	PROFILE	170	170	8330N	2,6-DINITROTOLUENE	NO
G39MDA	WL39M1	3/25/1999	PROFILE	170	170	8330N	3-NITROTOLUENE	NO
G39MDA	WL39M1	3/25/1999	PROFILE	170	170	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G39MDA	WL39M1	3/25/1999	PROFILE	170	170	8330N	4-NITROTOLUENE	NO
G39MDA	WL39M1	3/25/1999	PROFILE	170	170	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZI	NO
G39MDA	WL39M1	3/25/1999	PROFILE	170	170	8330N	NITROGLYCERIN	NO
G39MDA	WL39M1	3/25/1999	PROFILE	170	170	8330N	PICRIC ACID	NO
G39MDA	WL39M1	3/25/1999	PROFILE	170	170	8330N	TETRYL	NO
G39MDA	WL39M1	3/25/1999	PROFILE	170	170	OC21V	ACETONE	
G39MDA	WL39M1	3/25/1999	PROFILE	170	170	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G39MDD	WL39M1	3/25/1999	PROFILE	170	170	8330N	1,3,5-TRINITROBENZENE	NO
G39MDD	WL39M1	3/25/1999	PROFILE	170	170	8330N	1,3-DINITROBENZENE	NO
G39MDD	WL39M1	3/25/1999	PROFILE	170	170	8330N	2,6-DINITROTOLUENE	NO
G39MDD	WL39M1	3/25/1999	PROFILE	170	170	8330N	3-NITROTOLUENE	NO
G39MDD	WL39M1	3/25/1999	PROFILE	170	170	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G39MDD	WL39M1	3/25/1999	PROFILE	170	170	8330N	4-NITROTOLUENE	NO
G39MDD	WL39M1	3/25/1999	PROFILE	170	170	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZI	NO
G39MDD	WL39M1	3/25/1999	PROFILE	170	170	8330N	NITROGLYCERIN	NO
G39MDD	WL39M1	3/25/1999	PROFILE	170	170	8330N	PICRIC ACID	NO

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 3/15/99-4/30/99

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMP_TYPE	SBD	SED	METHOD	OGDEN_ANALYTE	PDA
G39MDD	WL39M1	3/25/1999	PROFILE	170	170	8330N	TETRYL	NO
G39MDD	WL39M1	3/25/1999	PROFILE	170	170	OC21V	ACETONE	
G39MDD	WL39M1	3/25/1999	PROFILE	170	170	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G39MEA	WL39M1	3/25/1999	PROFILE	180	180	8330N	1,3,5-TRINITROBENZENE	NO
G39MEA	WL39M1	3/25/1999	PROFILE	180	180	8330N	1,3-DINITROBENZENE	NO
G39MEA	WL39M1	3/25/1999	PROFILE	180	180	8330N	3-NITROTOLUENE	NO
G39MEA	WL39M1	3/25/1999	PROFILE	180	180	8330N	4-NITROTOLUENE	NO
G39MEA	WL39M1	3/25/1999	PROFILE	180	180	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZI	NO
G39MEA	WL39M1	3/25/1999	PROFILE	180	180	8330N	NITROGLYCERIN	NO
G39MEA	WL39M1	3/25/1999	PROFILE	180	180	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7	NO
G39MEA	WL39M1	3/25/1999	PROFILE	180	180	8330N	PICRIC ACID	NO
G39MEA	WL39M1	3/25/1999	PROFILE	180	180	OC21V	ACETONE	
G39MEA	WL39M1	3/25/1999	PROFILE	180	180	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G39MFA	WL39M1	3/25/1999	PROFILE	190	190	8330N	1,3,5-TRINITROBENZENE	NO
G39MFA	WL39M1	3/25/1999	PROFILE	190	190	8330N	1,3-DINITROBENZENE	NO
G39MFA	WL39M1	3/25/1999	PROFILE	190	190	8330N	3-NITROTOLUENE	NO
G39MFA	WL39M1	3/25/1999	PROFILE	190	190	8330N	NITROGLYCERIN	NO
G39MFA	WL39M1	3/25/1999	PROFILE	190	190	8330N	PICRIC ACID	NO
G39MFA	WL39M1	3/25/1999	PROFILE	190	190	OC21V	ACETONE	
G39MFA	WL39M1	3/25/1999	PROFILE	190	190	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G39MGA	WL39M1	3/25/1999	PROFILE	200	200	8330N	1,3-DINITROBENZENE	NO
G39MGA	WL39M1	3/25/1999	PROFILE	200	200	8330N	3-NITROTOLUENE	NO
G39MGA	WL39M1	3/25/1999	PROFILE	200	200	8330N	NITROGLYCERIN	NO
G39MGA	WL39M1	3/25/1999	PROFILE	200	200	8330N	PICRIC ACID	NO
G39MGA	WL39M1	3/25/1999	PROFILE	200	200	OC21V	ACETONE	
G39MGA	WL39M1	3/25/1999	PROFILE	200	200	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G39MHA	WL39M1	3/25/1999	PROFILE	210	210	8330N	NITROGLYCERIN	NO
G39MHA	WL39M1	3/25/1999	PROFILE	210	210	8330N	PICRIC ACID	NO
G39MHA	WL39M1	3/25/1999	PROFILE	210	210	OC21V	ACETONE	
G39MHA	WL39M1	3/25/1999	PROFILE	210	210	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G39MIA	WL39M1	3/25/1999	PROFILE	220	220	8330N	1,3,5-TRINITROBENZENE	NO
G39MIA	WL39M1	3/25/1999	PROFILE	220	220	8330N	1,3-DINITROBENZENE	NO
G39MIA	WL39M1	3/25/1999	PROFILE	220	220	8330N	2,6-DINITROTOLUENE	NO
G39MIA	WL39M1	3/25/1999	PROFILE	220	220	8330N	3-NITROTOLUENE	NO
G39MIA	WL39M1	3/25/1999	PROFILE	220	220	8330N	4-AMINO-2,6-DINITROTOLUENE	NO

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 3/15/99-4/30/99

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMP_TYPE	SBD	SED	METHOD	OGDEN_ANALYTE	PDA
G39MIA	WL39M1	3/25/1999	PROFILE	220	220	8330N	4-NITROTOLUENE	NO
G39MIA	WL39M1	3/25/1999	PROFILE	220	220	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZI	NO
G39MIA	WL39M1	3/25/1999	PROFILE	220	220	8330N	NITROBENZENE	NO
G39MIA	WL39M1	3/25/1999	PROFILE	220	220	8330N	NITROGLYCERIN	NO
G39MIA	WL39M1	3/25/1999	PROFILE	220	220	8330N	PICRIC ACID	NO
G39MIA	WL39M1	3/25/1999	PROFILE	220	220	8330N	TETRYL	NO
G39MIA	WL39M1	3/25/1999	PROFILE	220	220	OC21V	ACETONE	
G39MIA	WL39M1	3/25/1999	PROFILE	220	220	OC21V	CHLOROETHANE	
G39MIA	WL39M1	3/25/1999	PROFILE	220	220	OC21V	CHLOROMETHANE	
G39MIA	WL39M1	3/25/1999	PROFILE	220	220	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G39MID	WL39M1	3/25/1999	PROFILE	220	220	8330N	1,3,5-TRINITROBENZENE	NO
G39MID	WL39M1	3/25/1999	PROFILE	220	220	8330N	1,3-DINITROBENZENE	NO
G39MID	WL39M1	3/25/1999	PROFILE	220	220	8330N	2,6-DINITROTOLUENE	NO
G39MID	WL39M1	3/25/1999	PROFILE	220	220	8330N	3-NITROTOLUENE	NO
G39MID	WL39M1	3/25/1999	PROFILE	220	220	8330N	4-NITROTOLUENE	NO
G39MID	WL39M1	3/25/1999	PROFILE	220	220	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZI	NO
G39MID	WL39M1	3/25/1999	PROFILE	220	220	8330N	NITROBENZENE	NO
G39MID	WL39M1	3/25/1999	PROFILE	220	220	8330N	NITROGLYCERIN	NO
G39MID	WL39M1	3/25/1999	PROFILE	220	220	8330N	PICRIC ACID	NO
G39MID	WL39M1	3/25/1999	PROFILE	220	220	8330N	TETRYL	NO
G39MID	WL39M1	3/25/1999	PROFILE	220	220	OC21V	ACETONE	
G39MID	WL39M1	3/25/1999	PROFILE	220	220	OC21V	CHLOROETHANE	
G39MID	WL39M1	3/25/1999	PROFILE	220	220	OC21V	CHLOROMETHANE	
G39MID	WL39M1	3/25/1999	PROFILE	220	220	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G39MJA	WL39M1	3/25/1999	PROFILE	230	230	8330N	1,3,5-TRINITROBENZENE	NO
G39MJA	WL39M1	3/25/1999	PROFILE	230	230	8330N	1,3-DINITROBENZENE	NO
G39MJA	WL39M1	3/25/1999	PROFILE	230	230	8330N	2,6-DINITROTOLUENE	NO
G39MJA	WL39M1	3/25/1999	PROFILE	230	230	8330N	3-NITROTOLUENE	NO
G39MJA	WL39M1	3/25/1999	PROFILE	230	230	8330N	4-NITROTOLUENE	NO
G39MJA	WL39M1	3/25/1999	PROFILE	230	230	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZI	NO
G39MJA	WL39M1	3/25/1999	PROFILE	230	230	8330N	NITROGLYCERIN	NO
G39MJA	WL39M1	3/25/1999	PROFILE	230	230	8330N	PICRIC ACID	NO
G39MJA	WL39M1	3/25/1999	PROFILE	230	230	OC21V	ACETONE	
G39MJA	WL39M1	3/25/1999	PROFILE	230	230	OC21V	CHLOROMETHANE	
G39MJA	WL39M1	3/25/1999	PROFILE	230	230	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 3/15/99-4/30/99

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMP_TYPE	SBD	SED	METHOD	OGDEN_ANALYTE	PDA
G39MKA	WL39M1	3/26/1999	PROFILE	240	240	8330N	2,6-DINITROTOLUENE	NO
G39MKA	WL39M1	3/26/1999	PROFILE	240	240	8330N	3-NITROTOLUENE	NO
G39MKA	WL39M1	3/26/1999	PROFILE	240	240	8330N	NITROGLYCERIN	NO
G39MKA	WL39M1	3/26/1999	PROFILE	240	240	8330N	PICRIC ACID	NO
G39MKA	WL39M1	3/26/1999	PROFILE	240	240	OC21V	ACETONE	
G39MKA	WL39M1	3/26/1999	PROFILE	240	240	OC21V	CHLOROFORM	
G39MKA	WL39M1	3/26/1999	PROFILE	240	240	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G39MLA	WL39M1	3/26/1999	PROFILE	250	250	8330N	PICRIC ACID	NO
G39MLA	WL39M1	3/26/1999	PROFILE	250	250	OC21V	ACETONE	
G39MLA	WL39M1	3/26/1999	PROFILE	250	250	OC21V	CHLOROFORM	
G39MLA	WL39M1	3/26/1999	PROFILE	250	250	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G39MMA	WL39M1	3/26/1999	PROFILE	260	260	8330N	1,3,5-TRINITROBENZENE	NO
G39MMA	WL39M1	3/26/1999	PROFILE	260	260	8330N	1,3-DINITROBENZENE	NO
G39MMA	WL39M1	3/26/1999	PROFILE	260	260	8330N	3-NITROTOLUENE	NO
G39MMA	WL39M1	3/26/1999	PROFILE	260	260	8330N	4-NITROTOLUENE	NO
G39MMA	WL39M1	3/26/1999	PROFILE	260	260	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZI	NO
G39MMA	WL39M1	3/26/1999	PROFILE	260	260	8330N	NITROGLYCERIN	NO
G39MMA	WL39M1	3/26/1999	PROFILE	260	260	8330N	PICRIC ACID	NO
G39MMA	WL39M1	3/26/1999	PROFILE	260	260	OC21V	CHLOROETHANE	
G39MMA	WL39M1	3/26/1999	PROFILE	260	260	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G39MNA	WL39M1	3/26/1999	PROFILE	270	270	8330N	PICRIC ACID	NO
G39MNA	WL39M1	3/26/1999	PROFILE	270	270	OC21V	ACETONE	
G39MNA	WL39M1	3/26/1999	PROFILE	270	270	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G39MOA	WL39M1	3/26/1999	PROFILE	282.5	282.5	8330N	NITROGLYCERIN	NO
G39MOA	WL39M1	3/26/1999	PROFILE	282.5	282.5	8330N	PICRIC ACID	NO
G39MOA	WL39M1	3/26/1999	PROFILE	282.5	282.5	OC21V	ACETONE	
G39MOA	WL39M1	3/26/1999	PROFILE	282.5	282.5	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G40MAA	WL40M1	4/5/1999	PROFILE	132	132	8330N	1,3,5-TRINITROBENZENE	NO
G40MAA	WL40M1	4/5/1999	PROFILE	132	132	8330N	1,3-DINITROBENZENE	NO
G40MAA	WL40M1	4/5/1999	PROFILE	132	132	8330N	2,6-DINITROTOLUENE	NO
G40MAA	WL40M1	4/5/1999	PROFILE	132	132	8330N	3-NITROTOLUENE	NO
G40MAA	WL40M1	4/5/1999	PROFILE	132	132	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZI	NO
G40MAA	WL40M1	4/5/1999	PROFILE	132	132	8330N	NITROGLYCERIN	NO
G40MAA	WL40M1	4/5/1999	PROFILE	132	132	8330N	PICRIC ACID	NO
G40MAA	WL40M1	4/5/1999	PROFILE	132	132	OC21V	ACETONE	

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 3/15/99-4/30/99

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMP_TYPE	SBD	SED	METHOD	OGDEN_ANALYTE	PDA
G40MAA	WL40M1	4/5/1999	PROFILE	132	132	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G40MBA	WL40M1	4/6/1999	PROFILE	142	142	8330N	NITROGLYCERIN	NO
G40MBA	WL40M1	4/6/1999	PROFILE	142	142	8330N	PICRIC ACID	NO
G40MBA	WL40M1	4/6/1999	PROFILE	142	142	OC21V	ACETONE	
G40MBA	WL40M1	4/6/1999	PROFILE	142	142	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G40MBD	WL40M1	4/6/1999	PROFILE	142	142	8330N	NITROGLYCERIN	NO
G40MBD	WL40M1	4/6/1999	PROFILE	142	142	8330N	PICRIC ACID	NO
G40MBD	WL40M1	4/6/1999	PROFILE	142	142	OC21V	ACETONE	
G40MBD	WL40M1	4/6/1999	PROFILE	142	142	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G40MCA	WL40M1	4/6/1999	PROFILE	152	152	8330N	NITROGLYCERIN	NO
G40MCA	WL40M1	4/6/1999	PROFILE	152	152	8330N	PICRIC ACID	NO
G40MCA	WL40M1	4/6/1999	PROFILE	152	152	OC21V	ACETONE	
G40MCA	WL40M1	4/6/1999	PROFILE	152	152	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G40MDA	WL40M1	4/6/1999	PROFILE	162	162	8330N	1,3-DINITROBENZENE	NO
G40MDA	WL40M1	4/6/1999	PROFILE	162	162	8330N	NITROGLYCERIN	NO
G40MDA	WL40M1	4/6/1999	PROFILE	162	162	8330N	PICRIC ACID	NO
G40MDA	WL40M1	4/6/1999	PROFILE	162	162	OC21V	ACETONE	
G40MDA	WL40M1	4/6/1999	PROFILE	162	162	OC21V	CHLOROFORM	
G40MDA	WL40M1	4/6/1999	PROFILE	162	162	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G40MEA	WL40M1	4/6/1999	PROFILE	172	172	8330N	1,3-DINITROBENZENE	NO
G40MEA	WL40M1	4/6/1999	PROFILE	172	172	8330N	NITROGLYCERIN	NO
G40MEA	WL40M1	4/6/1999	PROFILE	172	172	8330N	PICRIC ACID	NO
G40MEA	WL40M1	4/6/1999	PROFILE	172	172	OC21V	ACETONE	
G40MEA	WL40M1	4/6/1999	PROFILE	172	172	OC21V	CHLOROFORM	
G40MEA	WL40M1	4/6/1999	PROFILE	172	172	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G40MFA	WL40M1	4/6/1999	PROFILE	182	182	8330N	NITROGLYCERIN	NO
G40MFA	WL40M1	4/6/1999	PROFILE	182	182	8330N	PICRIC ACID	NO
G40MFA	WL40M1	4/6/1999	PROFILE	182	182	OC21V	ACETONE	
G40MFA	WL40M1	4/6/1999	PROFILE	182	182	OC21V	CHLOROFORM	
G40MFA	WL40M1	4/6/1999	PROFILE	182	182	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G40MGA	WL40M1	4/6/1999	PROFILE	192	192	8330N	1,3-DINITROBENZENE	NO
G40MGA	WL40M1	4/6/1999	PROFILE	192	192	8330N	3-NITROTOLUENE	NO
G40MGA	WL40M1	4/6/1999	PROFILE	192	192	8330N	NITROGLYCERIN	NO
G40MGA	WL40M1	4/6/1999	PROFILE	192	192	8330N	PICRIC ACID	NO
G40MGA	WL40M1	4/6/1999	PROFILE	192	192	OC21V	ACETONE	

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SAMPLES COLLECTED 3/15/99-4/30/99

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMP_TYPE	SBD	SED	METHOD	OGDEN_ANALYTE	PDA
G40MGA	WL40M1	4/6/1999	PROFILE	192	192	OC21V	CHLOROFORM	
G40MGA	WL40M1	4/6/1999	PROFILE	192	192	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G40MHA	WL40M1	4/6/1999	PROFILE	202	202	8330N	NITROGLYCERIN	NO
G40MHA	WL40M1	4/6/1999	PROFILE	202	202	8330N	PICRIC ACID	NO
G40MHA	WL40M1	4/6/1999	PROFILE	202	202	OC21V	ACETONE	
G40MHA	WL40M1	4/6/1999	PROFILE	202	202	OC21V	CHLOROFORM	
G40MHA	WL40M1	4/6/1999	PROFILE	202	202	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G40MHD	WL40M1	4/6/1999	PROFILE	202	202	8330N	1,3-DINITROBENZENE	NO
G40MHD	WL40M1	4/6/1999	PROFILE	202	202	8330N	NITROGLYCERIN	NO
G40MHD	WL40M1	4/6/1999	PROFILE	202	202	8330N	PICRIC ACID	NO
G40MHD	WL40M1	4/6/1999	PROFILE	202	202	OC21V	ACETONE	
G40MHD	WL40M1	4/6/1999	PROFILE	202	202	OC21V	CHLOROFORM	
G40MHD	WL40M1	4/6/1999	PROFILE	202	202	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G40MIA	WL40M1	4/6/1999	PROFILE	212	212	8330N	NITROGLYCERIN	NO
G40MIA	WL40M1	4/6/1999	PROFILE	212	212	8330N	PICRIC ACID	NO
G40MIA	WL40M1	4/6/1999	PROFILE	212	212	OC21V	ACETONE	
G40MIA	WL40M1	4/6/1999	PROFILE	212	212	OC21V	CHLOROFORM	
G40MIA	WL40M1	4/6/1999	PROFILE	212	212	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G40MJA	WL40M1	4/7/1999	PROFILE	222	222	8330N	3-NITROTOLUENE	NO
G40MJA	WL40M1	4/7/1999	PROFILE	222	222	8330N	4-NITROTOLUENE	NO
G40MJA	WL40M1	4/7/1999	PROFILE	222	222	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZI	NO
G40MJA	WL40M1	4/7/1999	PROFILE	222	222	8330N	NITROGLYCERIN	NO
G40MJA	WL40M1	4/7/1999	PROFILE	222	222	8330N	PICRIC ACID	NO
G40MJA	WL40M1	4/7/1999	PROFILE	222	222	OC21V	ACETONE	
G40MJA	WL40M1	4/7/1999	PROFILE	222	222	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G44MAA	WL44M1	4/12/1999	PROFILE	137.6	137.6	8330N	3-NITROTOLUENE	NO
G44MAA	WL44M1	4/12/1999	PROFILE	137.6	137.6	8330N	4-NITROTOLUENE	NO
G44MAA	WL44M1	4/12/1999	PROFILE	137.6	137.6	8330N	NITROBENZENE	NO
G44MAA	WL44M1	4/12/1999	PROFILE	137.6	137.6	8330N	NITROGLYCERIN	NO
G44MAA	WL44M1	4/12/1999	PROFILE	137.6	137.6	8330N	PICRIC ACID	NO
G44MAA	WL44M1	4/12/1999	PROFILE	137.6	137.6	OC21V	ACETONE	
G44MAA	WL44M1	4/12/1999	PROFILE	137.6	137.6	OC21V	CHLOROMETHANE	
G44MAA	WL44M1	4/12/1999	PROFILE	137.6	137.6	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G44MBA	WL44M1	4/12/1999	PROFILE	147.6	147.6	8330N	1,3,5-TRINITROBENZENE	NO
G44MBA	WL44M1	4/12/1999	PROFILE	147.6	147.6	8330N	3-NITROTOLUENE	NO

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SED = SAMPLE COLLECTION END DEPTH (FEET BGS FOR SOILS AND PROFILE, FEET BELOW WATER TABLE FOR GROUNDWATER)
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PDA/NO = Photo Diode Array, Detect Not Confirmed

TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 3/15/99-4/30/99

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMP_TYPE	SBD	SED	METHOD	OGDEN_ANALYTE	PDA
G44MBA	WL44M1	4/12/1999	PROFILE	147.6	147.6	8330N	4-NITROTOLUENE	NO
G44MBA	WL44M1	4/12/1999	PROFILE	147.6	147.6	8330N	NITROGLYCERIN	NO
G44MBA	WL44M1	4/12/1999	PROFILE	147.6	147.6	8330N	PICRIC ACID	NO
G44MBA	WL44M1	4/12/1999	PROFILE	147.6	147.6	OC21V	ACETONE	
G44MBA	WL44M1	4/12/1999	PROFILE	147.6	147.6	OC21V	CHLOROMETHANE	
G44MBA	WL44M1	4/12/1999	PROFILE	147.6	147.6	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G44MBD	WL44M1	4/12/1999	PROFILE	147.6	147.6	8330N	1,3,5-TRINITROBENZENE	NO
G44MBD	WL44M1	4/12/1999	PROFILE	147.6	147.6	8330N	3-NITROTOLUENE	NO
G44MBD	WL44M1	4/12/1999	PROFILE	147.6	147.6	8330N	NITROGLYCERIN	NO
G44MBD	WL44M1	4/12/1999	PROFILE	147.6	147.6	8330N	PICRIC ACID	NO
G44MBD	WL44M1	4/12/1999	PROFILE	147.6	147.6	OC21V	ACETONE	
G44MBD	WL44M1	4/12/1999	PROFILE	147.6	147.6	OC21V	CHLOROMETHANE	
G44MBD	WL44M1	4/12/1999	PROFILE	147.6	147.6	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G44MCA	WL44M1	4/13/1999	PROFILE	157.5	157.5	8330N	NITROGLYCERIN	NO
G44MCA	WL44M1	4/13/1999	PROFILE	157.5	157.5	OC21V	ACETONE	
G44MCA	WL44M1	4/13/1999	PROFILE	157.5	157.5	OC21V	CHLOROMETHANE	
G44MCA	WL44M1	4/13/1999	PROFILE	157.5	157.5	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G44MDA	WL44M1	4/13/1999	PROFILE	167.5	167.5	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZI	NO
G44MDA	WL44M1	4/13/1999	PROFILE	167.5	167.5	8330N	NITROGLYCERIN	NO
G44MDA	WL44M1	4/13/1999	PROFILE	167.5	167.5	OC21V	ACETONE	
G44MEA	WL44M1	4/13/1999	PROFILE	177.5	177.5	8330N	NITROGLYCERIN	NO
G44MEA	WL44M1	4/13/1999	PROFILE	177.5	177.5	OC21V	ACETONE	
G44MEA	WL44M1	4/13/1999	PROFILE	177.5	177.5	OC21V	CHLOROMETHANE	
G44MEA	WL44M1	4/13/1999	PROFILE	177.5	177.5	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G44MEA	WL44M1	4/13/1999	PROFILE	177.5	177.5	OC21V	XYLENES, TOTAL	
G44MFA	WL44M1	4/13/1999	PROFILE	187.5	187.5	8330N	1,3,5-TRINITROBENZENE	NO
G44MFA	WL44M1	4/13/1999	PROFILE	187.5	187.5	8330N	2,6-DINITROTOLUENE	YES
G44MFA	WL44M1	4/13/1999	PROFILE	187.5	187.5	8330N	NITROGLYCERIN	NO
G44MFA	WL44M1	4/13/1999	PROFILE	187.5	187.5	OC21V	ACETONE	
G44MFA	WL44M1	4/13/1999	PROFILE	187.5	187.5	OC21V	CHLOROMETHANE	
G44MFA	WL44M1	4/13/1999	PROFILE	187.5	187.5	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G44MGA	WL44M1	4/13/1999	PROFILE	197.5	197.5	8330N	1,3,5-TRINITROBENZENE	NO
G44MGA	WL44M1	4/13/1999	PROFILE	197.5	197.5	8330N	NITROGLYCERIN	NO
G44MGA	WL44M1	4/13/1999	PROFILE	197.5	197.5	8330N	PICRIC ACID	NO
G44MGA	WL44M1	4/13/1999	PROFILE	197.5	197.5	OC21V	ACETONE	

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 3/15/99-4/30/99

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMP_TYPE	SBD	SED	METHOD	OGDEN_ANALYTE	PDA
G44MGA	WL44M1	4/13/1999	PROFILE	197.5	197.5	OC21V	CHLOROMETHANE	
G44MGA	WL44M1	4/13/1999	PROFILE	197.5	197.5	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G44MHA	WL44M1	4/13/1999	PROFILE	207.5	207.5	8330N	1,3,5-TRINITROBENZENE	NO
G44MHA	WL44M1	4/13/1999	PROFILE	207.5	207.5	8330N	NITROGLYCERIN	NO
G44MHA	WL44M1	4/13/1999	PROFILE	207.5	207.5	OC21V	ACETONE	
G44MHA	WL44M1	4/13/1999	PROFILE	207.5	207.5	OC21V	CHLOROMETHANE	
G44MHA	WL44M1	4/13/1999	PROFILE	207.5	207.5	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G44MIA	WL44M1	4/13/1999	PROFILE	217.5	217.5	8330N	3-NITROTOLUENE	NO
G44MIA	WL44M1	4/13/1999	PROFILE	217.5	217.5	8330N	4-NITROTOLUENE	NO
G44MIA	WL44M1	4/13/1999	PROFILE	217.5	217.5	8330N	NITROGLYCERIN	NO
G44MIA	WL44M1	4/13/1999	PROFILE	217.5	217.5	OC21V	ACETONE	
G44MIA	WL44M1	4/13/1999	PROFILE	217.5	217.5	OC21V	CHLOROMETHANE	
G44MIA	WL44M1	4/13/1999	PROFILE	217.5	217.5	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G44MJA	WL44M1	4/14/1999	PROFILE	227.5	227.5	8330N	NITROGLYCERIN	NO
G44MJA	WL44M1	4/14/1999	PROFILE	227.5	227.5	8330N	PICRIC ACID	NO
G44MJA	WL44M1	4/14/1999	PROFILE	227.5	227.5	OC21V	ACETONE	
G44MKA	WL44M1	4/14/1999	PROFILE	237.5	237.5	8330N	3-NITROTOLUENE	NO
G44MKA	WL44M1	4/14/1999	PROFILE	237.5	237.5	8330N	4-NITROTOLUENE	NO
G44MKA	WL44M1	4/14/1999	PROFILE	237.5	237.5	8330N	NITROGLYCERIN	NO
G44MKA	WL44M1	4/14/1999	PROFILE	237.5	237.5	8330N	PICRIC ACID	NO
G44MKA	WL44M1	4/14/1999	PROFILE	237.5	237.5	OC21V	ACETONE	
G44MKA	WL44M1	4/14/1999	PROFILE	237.5	237.5	OC21V	CHLOROMETHANE	
G44MKA	WL44M1	4/14/1999	PROFILE	237.5	237.5	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G53MQA	WL53M1	3/19/1999	PROFILE	290	295	8330N	1,3,5-TRINITROBENZENE	NO
G53MQA	WL53M1	3/19/1999	PROFILE	290	295	OC21V	CHLOROFORM	
G53MRA	WL53M1	3/19/1999	PROFILE	300	305	OC21V	CHLOROFORM	
G53MRD	WL53M1	3/19/1999	PROFILE	300	305	OC21V	CHLOROFORM	
G53MSA	WL53M1	3/19/1999	PROFILE	310	315	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZI	NO
HD23H1AAA	HD23H1AAA	4/20/1999	SOIL GRID	0"	6"	8330N	NITROGLYCERIN	YES

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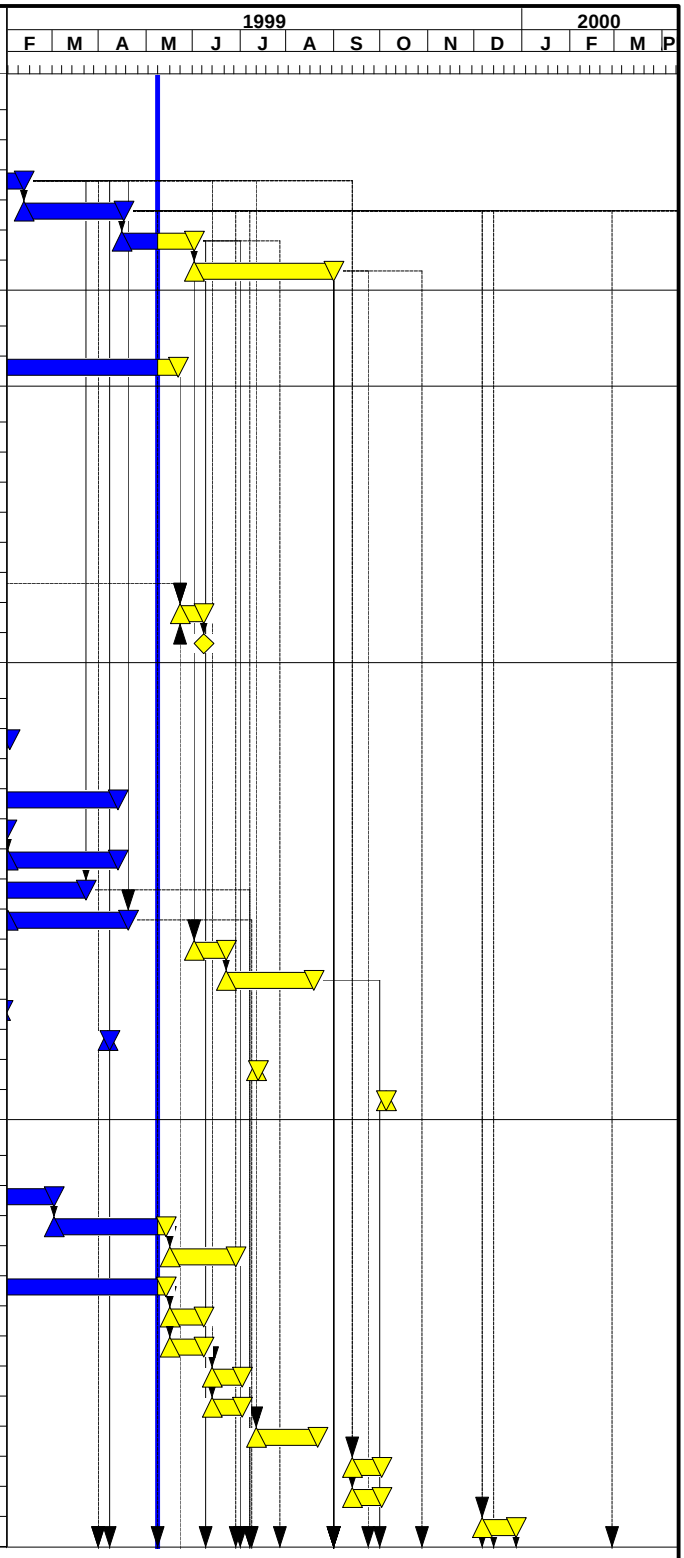
Activity Description	Early Start	Early Finish
1. Receive Funding		
Appropriation of money for NGB budget	26OCT98A	
NGB Contracting ($4M)	26OCT98A	18DEC98A
Procure Supplemental Funding ($1.4M)	21DEC98A	10FEB99A
Procure Supplemental Funding ($1.0M)	11FEB99A	16APR99A
Procure Supplemental Funding ($2.5M)	16APR99A	01JUN99
Procure Supplemental Funding ($3.0M)	02JUN99	31AUG99
2. Evaluate Analytical Methods		
Complete Draft PEP Analytical Report	05NOV98A	30NOV98A
EPA Comments/Revisions	01DEC98A	21MAY99
3. Phase I Completion Workplan		
Prepare Phase I+ Workplan	13AUG98A	21AUG98A
Phase I+ Workplan due to EPA		21AUG98A
EPA Comments/Workplan Revisions	24AUG98A	06OCT98A
Submit Revised Workplan		06OCT98A
EPA Comments/Workplan Revisions	07OCT98A	29OCT98A
Submit Change Document		30OCT98A
Prepare Final Workplan	24MAY99	07JUN99
Submit Final Workplan		07JUN99
4. Phase I/II Installation of Wells		
Mobilization	21DEC98A	04JAN99A
USGS Modeling Well Screens	07JAN99A	01FEB99A
Prepare FSP for Far Field Wells	21DEC98A	12JAN99A
Review/Revise FSP for FF Wells	13JAN99A	12APR99A
Prepare FSP for Phase IIa Wells	21JAN99A	29JAN99A
Review/Revise FSP for Phase IIa Wells	01FEB99A	12APR99A
Install Group 1 FF Wells	06JAN99A	23MAR99A
Install Phase IIa Wells	01FEB99A	19APR99A
Mobilize for Group 2 FF Wells	02JUN99	22JUN99
Install Group 2 FF Wells	23JUN99	18AUG99
Synoptic water levels round 1	26JAN99A	26JAN99A
Synoptic water levels round 2	07APR99A	07APR99A
Synoptic water levels round 3	12JUL99*	12JUL99
Synoptic water levels round 4	04OCT99*	04OCT99
5. Phase I Sampling of Water Supply Wells		
Procure lab for SDWA parameters	21DEC98A	06JAN99A
Prepare QA/QC plan addendum	07JAN99A	02MAR99A
EPA review/comment	03MAR99A	14MAY99
Sample (6a) MMR Wells DW/PEP 1Q99	17MAY99	28JUN99
Setup split sampling for wells	08JAN99A	14MAY99
Sample (6b) non-MMR wells PEP 1Q99	17MAY99	07JUN99
Sample (6c) MMR wells PEP 1Q99	17MAY99	07JUN99
Sample (6b) non-MMR wells PEP 2Q99	14JUN99*	02JUL99
Sample (6c) MMR wells PEP 2Q99	14JUN99*	02JUL99
Sample (6d) MMR wells DW/PEP 3Q99	12JUL99*	20AUG99
Sample (6b) non-MMR wells PEP 3Q99	13SEP99*	01OCT99
Sample (6c) MMR wells PEP 3Q99	13SEP99*	01OCT99
Sample (6b) non-MMR wells PEP 4Q99	06DEC99*	27DEC99



Project Start 14AUG98
Project Finish 15DEC00
Data Date 10MAY99
Run Date 11MAY99

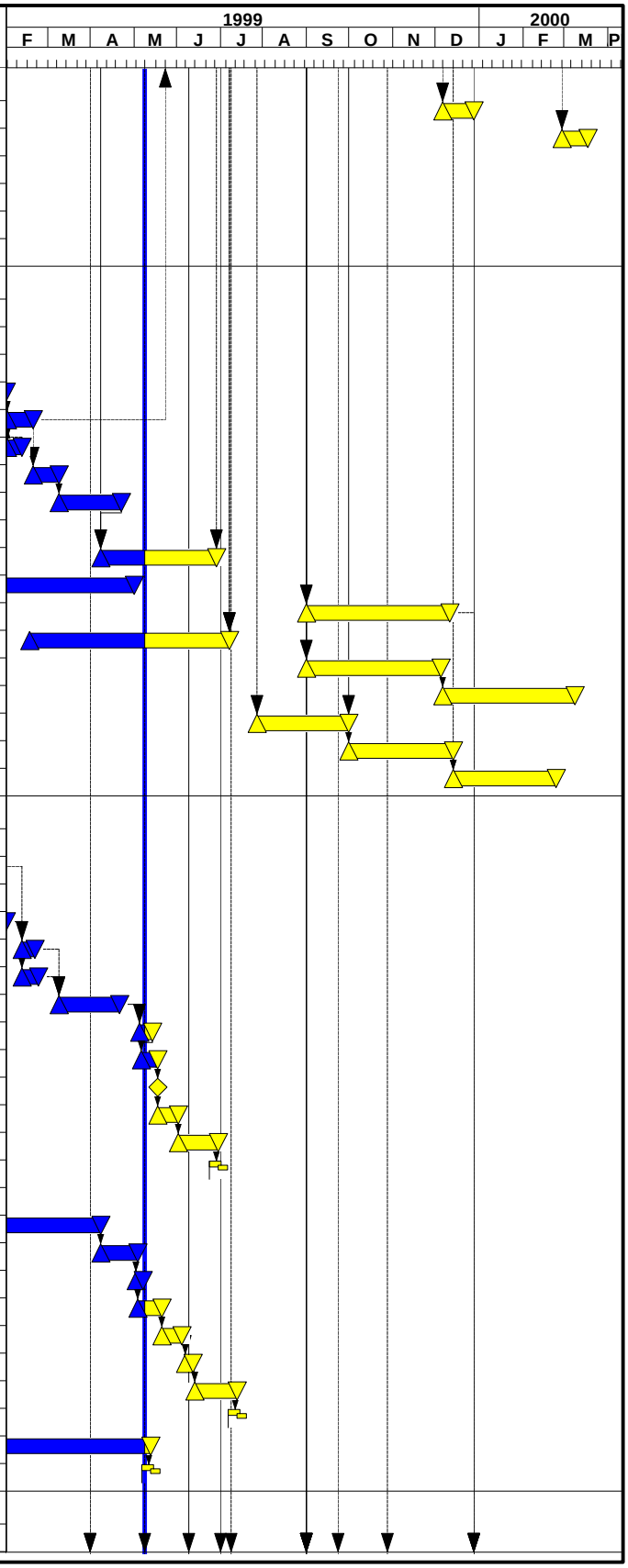
Early Bar
Progress Bar

MMR6

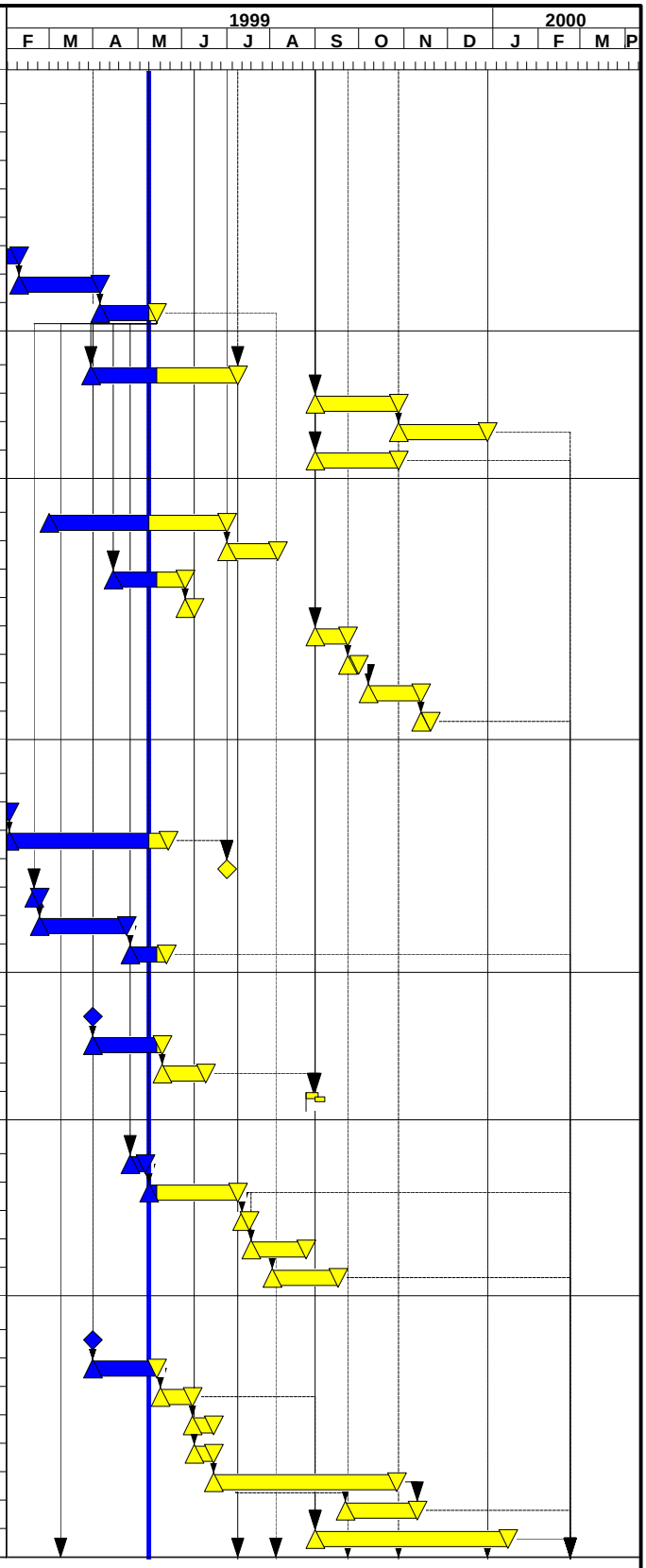
Sheet 1 of 4

Figure 1. Schedule for Completion of the Impact Area Groundwater Study as of 5/10/99

Activity Description	Early Start	Early Finish
5. Phase I Sampling of Water Supply Wells		
Sample (6c) MMR wells PEP 4Q99	06DEC99*	27DEC99
Sample (6c) MMR wells PEP 1Q00	28FEB00*	17MAR00
Sample (6c) MMR wells PEP 2Q00	30MAY00*	19JUN00
Sample (6d) MMR wells DW/PEP 3Q00	10JUL00*	18AUG00
Sample (6c) MMR wells PEP 3Q00	21AUG00*	11SEP00
Sample (6c) MMR wells PEP 4Q00	27NOV00*	15DEC00
6. Phase I Sampling of Monitoring Wells		
Review Selection of IRP wells	05NOV98A	30NOV98A
Submit IRP well selection/rationale	30NOV98A	
EPA comments on IRP Wells	01DEC98A	19JAN99A
Change document for IRP Wells	20JAN99A	29JAN99A
EPA cond. approve IRP well changes	01FEB99A	18FEB99A
USGS model selected IRP wells	01FEB99A	11FEB99A
Changes to address MADEP comments	19FEB99A	09MAR99A
Prepare FSP for Supplemental IRP Wells	10MAR99A	22APR99A
Mobilization for Phase I Wells	21DEC98A	05JAN99A
Sample/Analyze Supplemental IRP Wells	08APR99A	28JUN99
Sample/Analyze Phase I Wells Round 2	06JAN99A	30APR99A
Sample/Analyze Phase I Wells Round 3	01SEP99	10DEC99
Sample/Analyze G1 FF Wells Round 1	17FEB99A	07JUL99
Sample/Analyze G1 FF Wells Round 2	01SEP99	03DEC99
Sample/Analyze G1 FF Wells Round 3	06DEC99*	07MAR00
Sample/Analyze G2 FF Wells Round 1	28JUL99	30SEP99
Sample/Analyze G2 FF Wells Round 2	01OCT99	13DEC99
Sample/Analyze G2 FF Wells Round 3	14DEC99	23FEB00
7. Phase I Response Actions for Demo Area 1		
Roadbuilding for MW34	28DEC98A	04JAN99A
Install/Profile MW34	06JAN99A	18JAN99A
Roadbuilding for MW35	18JAN99A	18JAN99A
Install/Profile MW35	19JAN99A	29JAN99A
Develop/Sample/Analyze MW34	11FEB99A	19FEB99A
Develop/Sample/Analyze MW35	11FEB99A	22FEB99A
Install/Profile/Develop MW36	09MAR99A	20APR99A
Sample/Analyze MW36	05MAY99A	14MAY99
Evaluate Groundwater Data	07MAY99A	17MAY99
Submit GW Data/Response Plan to EPA		17MAY99
Review/Revise Response Plan	18MAY99	01JUN99
Scoping response activities	02JUN99	29JUN99
Begin Demo 1 Response Activities		29JUN99
UXO Clearance Demo 1	28DEC98A	13JAN99A
Standby for Demo 1 to dry up	14JAN99A	07APR99A
Mobilize ATV drill rig	08APR99A	03MAY99A
Demo 1 Soil Sampling to 15 ft	03MAY99A	07MAY99A
Soil Sample Analysis/Evaluation	04MAY99A	20MAY99
Mobilize ATV drill rig	21MAY99	04JUN99
Demo 1 Soil Sampling to 40 ft	07JUN99	11JUN99
Soil Sample Analysis/Evaluation	14JUN99	12JUL99
Submit Soil Data/Response Plan to EPA		12JUL99
Evaluate Pilot Testing & Remedies	21DEC98A	12MAY99
Submit draft remedy evaluation to EPA		12MAY99
8. Phase II (a) Workplan		
Prepare Phase II(a) Workplan	24AUG98A	11SEP98A



Activity Description	Early Start	Early Finish
8. Phase II (a) Workplan		
Submit Phase II(a) Workplan to EPA		11SEP98A
EPA Review Phase II(a) Workplan	14SEP98A	28OCT98A
Meeting to discuss Phase II(a)	04NOV98A	04NOV98A
Revise Phase II(a) workplan	05NOV98A	12NOV98A
EPA review/comment	13NOV98A	22DEC98A
Prepare change document	28DEC98A	08FEB99A
EPA approve change document	09FEB99A	05APR99A
Final Phase II(a) Workplan	06APR99A	13MAY99
9. Phase II Investigate Exceedances		
Sample/Analyze Ph. II(a) Wells Round 1	30MAR99A	08JUL99
Sample/Analyze Ph. II(a) Wells Round 2	01SEP99	27OCT99
Sample/Analyze Ph. II(a) Wells Round 3	28OCT99	27DEC99
Soil Sampling/Analysis for Source Areas	01SEP99	27OCT99
10. Phase II Characterize J Ranges		
Data Collection for J Ranges	01MAR99A	30JUN99
Prepare J Range Workplan	01JUL99	05AUG99
Sampling/Analysis for J-3 Wetland	15APR99A	02JUN99
Review J-3 Wetland Results with EPA	03JUN99	09JUN99
Soil Sampling/Analysis for Steel Pit	01SEP99	22SEP99
Monitoring well installation for Steel Pit	23SEP99	29SEP99
Sample/Analyze monitoring well	07OCT99	11NOV99
Review Steel Pit results with EPA	12NOV99	18NOV99
11. Phase II Survey for Munitions Disposal		
Technology Meeting	09DEC98A	09DEC98A
Prepare Survey Work Plan	10DEC98A	01FEB99A
Review/Revise Workplan	02FEB99A	21MAY99
Implement Surveys		30JUN99
Excavation/Sampling of Brick-lined Pits	19FEB99A	22FEB99A
Analysis of Brick-lined Pit Samples	23FEB99A	23APR99A
Review Brick-lined Pit data w/EPA	26APR99A	20MAY99
12. Phase II Characterize Training Areas		
Completion of Archives Search Report		31MAR99A
Phase II (a) Workplan for Training Areas	01APR99A	18MAY99
EPA Review/Approve Workplan	19MAY99	16JUN99
Begin Training Area Investigations		31AUG99
13. Phase II Characterize KD and U Ranges		
MIDAS search for analytes	27APR99A	06MAY99A
Soil Sampling/Analysis for KD and U	10MAY99A	09JUL99
UXO Clearance for Monitoring Wells	12JUL99	16JUL99
Monitoring Well installations at KD and U	19JUL99	24AUG99
Sample/Analyze monitoring wells	02AUG99	15SEP99
14. Phase II Characterize Gun/Mortar Positions		
Completion of Archives Search Report		31MAR99A
Develop Field Sampling Plan	01APR99A	14MAY99
EPA Review/Approve FSP	17MAY99	07JUN99
Soil Sampling/Analysis at GP-16	08JUN99	21JUN99
Mobilize drilling equipment	09JUN99	22JUN99
Install Monitoring Wells at Gun/Mortar	23JUN99	26OCT99
Sample/Analyze monitoring wells	21SEP99	09NOV99
Soil Sampling/Analysis at Gun/Mortar	01SEP99	10JAN00



Activity Description	Early Start	Early Finish
15. Phase II Characterize Trenches, Excav., etc		
Completion of Archives Search Report		31MAR99A
Scoping for UXO Contractor	10MAY99	07JUN99
Mobilize UXO Contractor	08JUN99	21JUN99
Assessment of site features	22JUN99	20JUL99
Review data with EPA	21JUL99	03AUG99
Phase II (a) Workplan for Trenches, etc.	04AUG99	29SEP99
EPA Review/Approve Workplan	30SEP99	27OCT99
Begin Trenches Investigations		27OCT99
16. Phase II Sampling Groundwater at SAR		
Install Monitoring Wells at SAR	09MAR99A	23APR99A
Sample/Analyze Monitoring Wells	14MAY99	29JUN99
17. Phase II Characterize Mortar Targets		
Scoping for UXO Contractor	10MAY99	07JUN99
Mobilize UXO Contractor	08JUN99	21JUN99
Reconnaissance of Targets	22JUN99	06JUL99
Discuss sampling plan with EPA	07JUL99	13JUL99
Prepare draft FSP	14JUL99	17AUG99
EPA review/comment on FSP	18AUG99	08SEP99
Prepare final FSP	09SEP99	22SEP99
Begin Mortar Targets Investigations		22SEP99
18. Reports and Meetings		
Progress Reports	10SEP98A	13JUN00
Phase II Interim Results Report	09JUL99	02SEP99
Draft Interim Longterm Monitoring Report	28DEC99	31JAN00
Review Draft ILM Report	01FEB00	29FEB00
Final ILM Report	01MAR00	28MAR00
Draft Phase II Compl. Work Report	13DEC99	22FEB00
Review Draft Phase II CWR	23FEB00	18APR00
Final Phase II CWR	19APR00	16MAY00