WEEKLY PROGRESS UPDATE
FOR DECEMBER 20 – DECEMBER 24, 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 December 20 to December 24, 1999.

1. SUMMARY OF ACTIONS TAKEN

No drilling activity occurred during this reporting period. Samples collected during the reporting period are summarized in Table 1. Two groundwater profile samples were collected using an experimental drilling technology adjacent to MW-77, which is one of the response wells for Demo Area 1. Groundwater samples were collected from the two remaining wells at MW-57, the Sandwich far field monitoring well cluster. Soil samples were collected from grids at GS-7 (Area 90), Demo 1 (Area 12), and the APC located north of Turpentine Road and Tank Alley. Post excavation soil samples were also collected from the craters at Demo 2 and from the three locations where C4 was found on the ground surface in Demo 1.

The Guard, EPA, and MADEP had a meeting on December 22 to discuss technical issues, including the following:

- Tetra Tech gave an update on the munition survey.
  - The surface sweep of Demo-1 has been rescheduled to early January and the slit trench will be investigated after Demo 1 is completed. EPA agreed with these changes.
  - Currently working on the FSP for investigation of the steel plates in the J Ranges. They propose to begin this work in March. EPA agreed with this proposal.
  - The Guard would like to have Tetra Tech on a similar milestone schedule as Ogden. Tetra Tech does not believe that they can add more interim milestones. EPA stated that they would look at the proposed milestone schedule but believed that EPA counsel will require additional milestones. The Guard suggested that Tetra Tech continues to work on the milestone schedule and that there should be a meeting with EPA to come to an agreement.

- A 1-page Memorandum of Resolution for the draft Brick Lined Pit report was distributed.

- An update of the document status was given. Ogden indicated that the document status table has not been changed from the one that was distributed at the last Tech Meeting.

  - Comments to the Groundwater Modeling recommendations have been received from DEP. Ogden stated that they need EPA's comments in the next few weeks.

  - Final changes to the PEP report are proposed to be submitted on January 24. Ogden asked for agency comments by January 3 in order to make the deadline.

  - The Training Area Workplan is tied up in the PEP report resolution. Work is scheduled to start on January 6th. Ogden asked EPA if the Guard should prepare a request for extension because they have not received EPA comments. EPA stated that they should prepare a request for a 2-month extension for this task.

- The Phase II (b) and supplement work plans were submitted to the agencies for comments. EPA asked if they submitted comments in the next few weeks, when would the work start. The Guard indicated that the work would start in the March-April timeframe. DEP indicated that their comments would also be submitted in the next few weeks.

- The Guard stated that Textron had received the 104e request on 12/16/1999. EPA was working with the Guard to send the request to PRPs who used the J-2 Range.

- EPA indicated that the schedule for Textron's Phase I investigation is too long. The Guard indicated that they informed Textron of their concern that the schedule is too long. EPA stated that the goal is to have the schedule shortened by three weeks.

- The Guard requested data from IRP necessary to complete the J-Range Response Plan. Ogden received some data from IRP. Ogden is currently preparing a list of additional data needs for the Guard. Ogden indicated that it might be several weeks before the data is received, considering the holidays. EPA indicated that additional monitoring locations might be needed in this area.

- The schedule and content for the Phase II CWR was discussed. It was agreed that the draft report in early summer could focus on Phase II (a) investigations performed mainly in 1999. EPA will get their comments on the Phase I response to comments in the next few months.

- EPA requested the Guard prepare a presentation on the APC at the next IART meeting. The Guard agreed.

- EPA requested the status of the UXO detonation. The Guard indicated it is still scheduled for Tuesday next week (12/28). EPA indicated that they need the notification by noon tomorrow. The Guard agreed to get the notification to the EPA by noon on 12/23.

- The EPA indicated that they spoke with Raye Lahti of Tetra Tech who performed the surface sweep of GP-10. Mr. Lahti was not aware the plan did not require the surface sweep of GP-9, which is adjacent to GP-10. Mr. Lahti indicated that some small arms munitions might be present at GP-9. The Guard will follow-up with EPA on the amount and type of munition.

- The Guard requested to move next weeks Tech meeting to Wednesday due to the holiday. It was agreed that a conference call for comment resolution on the Demo 1 report (TM 99-2) and the Remedial Technologies Evaluation would be conducted on Wednesday at 10:00 am.

Also on December 22 following the technical meeting, site walks were conducted at Demo Area 1 and at the J-3 Wetland to observe previous and potential future sampling locations.

2. SUMMARY OF DATA RECEIVED

Rush data received during the week did not include any detections. Rush data are for analyses that are performed on a fast turnaround time, typically 1-5 days. Explosive analyses for all media, and explosive and VOC analyses for groundwater profile samples, are conducted in this timeframe.

3. DELIVERABLES SUBMITTED

Weekly Progress Update (11/29 – 12/3)	12/21/99
Weekly Progress Update (12/6 – 12/10)	12/23/99
Final IAGS Technical Team Memorandum 99-3, Brick Lined Pit Soil Results	12/23/99

4. SCHEDULED ACTIONS

Scheduled actions for the week of December 27 include the disposal of UXO at CS-19, mortar target 4, and the APC; groundwater sampling of the wells at MW-56 (J Well far field), MW-37, and MW-40; and continued soil sampling at gun and mortar positions and at mortar targets.

5. SUMMARY OF ACTIVITIES FOR DEMO 1

A demonstration of a new drilling technique was performed adjacent to MW-77. Two profile samples were collected to compare to the profile samples collected using the dual rotary drilling method. Profile sample results will be provided in a future progress report.

The munition survey of Demo Area 1 was rescheduled for January 2000.

A site walk was conducted with the regulatory agencies on 12/22/99 to observe previous and potential future soil sampling locations. The locations of munition debris shown in photographs provided by Mr. Zanis at the 12/15/99 IART meeting were also inspected at this time. Several new soil sampling locations were marked for UXO clearance.

TABLE 1
SAMPLING PROGRESS
12/20-12/24

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
DEMO2PE6E	FIELDQC	12/20/1999	FIELDQC	0.00	0.00		
HC12L1CAE	FIELDQC	12/21/1999	FIELDQC	0.00	0.00		
HCAPC4CAE	FIELDQC	12/23/1999	FIELDQC	0.00	0.00		
HCAPC4CAT	FIELDQC	12/23/1999	FIELDQC	0.00	0.00		
HD12Q3CAE	FIELDQC	12/22/1999	FIELDQC	0.00	0.00		
W57SST	FIELDQC	12/21/1999	FIELDQC	0.00	0.00		
PP77MAA	PP77MA	12/21/1999	PROFILE			10.00	15.00
PP77MBA	PP77MB	12/21/1999	PROFILE			20.00	25.00
W57M2A	MW-57	12/21/1999	GROUNDWATER			60.00	70.00
W57SSA	MW-57	12/21/1999	GROUNDWATER			0.00	10.00
W57SSD	MW-57	12/21/1999	GROUNDWATER			0.00	10.00
DEM02PE4	DEMO2_	12/20/1999	SOIL GRID	0.00	0.25		
DEMO1SS1	DEMO1SS1	12/21/1999	SOIL GRID	0.00	0.25		
DEMO1SS2	DEMO1SS2	12/21/1999	SOIL GRID	0.00	0.25		
DEMO1SS3	DEMO1SS3	12/21/1999	SOIL GRID	0.00	0.25		
DEMO2PE5	DEMO2_	12/20/1999	SOIL GRID	0.00	0.25		
DEMO2PE6	DEMO2_	12/20/1999	SOIL GRID	0.00	0.25		
DEMO2PE6D	DEMO2_	12/20/1999	SOIL GRID	0.00	0.25		
HC12G1AAA	12G	12/20/1999	SOIL GRID	0.00	0.25		
HC12G1BAA	12G	12/20/1999	SOIL GRID	0.25	0.50		
HC12G1CAA	12G	12/20/1999	SOIL GRID	0.50	1.00		
HC12H1AAA	12H	12/20/1999	SOIL GRID	0.00	0.25		
HC12H1BAA	12H	12/20/1999	SOIL GRID	0.25	0.50		
HC12H1CAA	12H	12/20/1999	SOIL GRID	0.50	1.00		
HC12I1AAA	12I	12/21/1999	SOIL GRID	0.00	0.25		
HC12I1BAA	12I	12/21/1999	SOIL GRID	0.25	0.50		
HC12I1CAA	12I	12/21/1999	SOIL GRID	0.50	1.00		
HC12J1AAA	12J	12/21/1999	SOIL GRID	0.00	0.25		
HC12J1AAD	12J	12/21/1999	SOIL GRID	0.00	0.25		
HC12J1BAA	12J	12/21/1999	SOIL GRID	0.25	0.50		
HC12J1CAA	12J	12/21/1999	SOIL GRID	0.50	1.00		
HC12K1AAA	12K	12/21/1999	SOIL GRID	0.00	0.25		
HC12K1BAA	12K	12/21/1999	SOIL GRID	0.25	0.50		
HC12K1CAA	12K	12/21/1999	SOIL GRID	0.50	1.00		
HC12K1CAD	12K	12/21/1999	SOIL GRID	0.50	1.00		
HC12L1AAA	12L	12/21/1999	SOIL GRID	0.00	0.25		
HC12L1BAA	12L	12/21/1999	SOIL GRID	0.25	0.50		
HC12L1CAA	12L	12/21/1999	SOIL GRID	0.50	1.00		
HC12M1AAA	12M	12/22/1999	SOIL GRID	0.00	0.25		
HC12M1BAA	12M	12/22/1999	SOIL GRID	0.25	0.50		
HC12M1CAA	12M	12/22/1999	SOIL GRID	0.50	1.00		
HC12M1CAD	12M	12/22/1999	SOIL GRID	0.50	1.00		
HC12N1AAA	12N	12/22/1999	SOIL GRID	0.00	0.25		
HC12N1BAA	12N	12/22/1999	SOIL GRID	0.25	0.50		
HC12N1CAA	12N	12/22/1999	SOIL GRID	0.50	1.00		
HC12O1AAA	12O	12/22/1999	SOIL GRID	0.00	0.25		
HC12O1BAA	12O	12/22/1999	SOIL GRID	0.25	0.50		
HC12O1CAA	12O	12/22/1999	SOIL GRID	0.50	1.00		

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

TABLE 1
SAMPLING PROGRESS
12/20-12/24

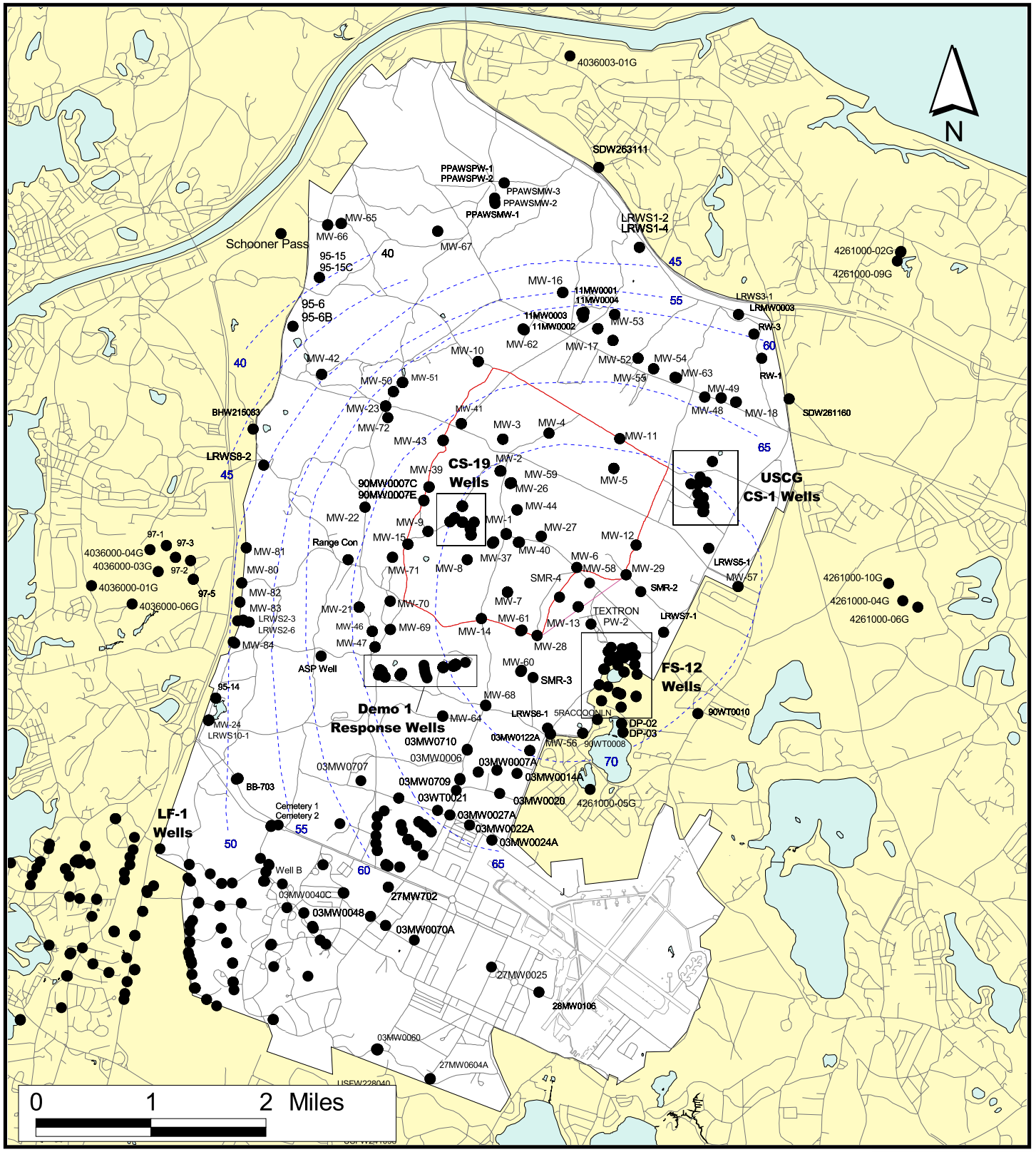
OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HC12P1AAA	12P	12/22/1999	SOIL GRID	0.00	0.25		
HC12P1BAA	12P	12/22/1999	SOIL GRID	0.25	0.50		
HC12P1CAA	12P	12/22/1999	SOIL GRID	0.50	1.00		
HC12Q1AAA	12Q	12/22/1999	SOIL GRID	0.00	0.25		
HC12Q1BAA	12Q	12/22/1999	SOIL GRID	0.25	0.50		
HC12Q1BAD	12Q	12/22/1999	SOIL GRID	0.25	0.50		
HC12Q1CAA	12Q	12/22/1999	SOIL GRID	0.50	1.00		
HC12R1AAA	12R	12/22/1999	SOIL GRID	0.00	0.25		
HC12R1BAA	12R	12/22/1999	SOIL GRID	0.25	0.50		
HC12R1CAA	12R	12/22/1999	SOIL GRID	0.50	1.00		
HC12R1CAD	12R	12/22/1999	SOIL GRID	0.50	1.00		
HC12S1AAA	12S	12/23/1999	SOIL GRID	0.00	0.25		
HC12S1AAD	12S	12/23/1999	SOIL GRID	0.00	0.25		
HC12S1BAA	12S	12/23/1999	SOIL GRID	0.25	0.50		
HC12S1CAA	12S	12/23/1999	SOIL GRID	0.50	1.00		
HC12T1AAA	12T	12/23/1999	SOIL GRID	0.00	0.25		
HC12T1BAA	12T	12/23/1999	SOIL GRID	0.25	0.50		
HC12T1CAA	12T	12/23/1999	SOIL GRID	0.50	1.00		
HC90A1AAA	90A	12/20/1999	SOIL GRID	0.00	0.50		
HC90A1BAA	90A	12/20/1999	SOIL GRID	1.50	2.00		
HC90B1AAA	90B	12/20/1999	SOIL GRID	0.00	0.50		
HC90B1BAA	90B	12/20/1999	SOIL GRID	1.50	2.00		
HC90B1BAD	90B	12/20/1999	SOIL GRID	1.50	2.00		
HCAPC2AAA	APC	12/23/1999	SOIL GRID	0.00	0.25		
HCAPC2BAA	APC	12/23/1999	SOIL GRID	0.25	0.50		
HCAPC2CAA	APC	12/23/1999	SOIL GRID	0.50	1.00		
HCAPC3AAA	APC	12/23/1999	SOIL GRID	0.00	0.25		
HCAPC3AAD	APC	12/23/1999	SOIL GRID	0.00	0.25		
HCAPC3BAA	APC	12/23/1999	SOIL GRID	0.25	0.50		
HCAPC3CAA	APC	12/23/1999	SOIL GRID	0.50	1.00		
HCAPC4AAA	APC	12/23/1999	SOIL GRID	0.00	0.25		
HCAPC4BAA	APC	12/23/1999	SOIL GRID	0.25	0.50		
HCAPC4CAA	APC	12/23/1999	SOIL GRID	0.50	1.00		
HD12G3AAA	12G	12/20/1999	SOIL GRID	0.00	0.25		
HD12G3BAA	12G	12/20/1999	SOIL GRID	0.25	0.50		
HD12G3CAA	12G	12/20/1999	SOIL GRID	0.50	1.00		
HD12H3AAA	12H	12/20/1999	SOIL GRID	0.00	0.25		
HD12H3BAA	12H	12/20/1999	SOIL GRID	0.25	0.50		
HD12H3BAD	12H	12/20/1999	SOIL GRID	0.25	0.50		
HD12H3CAA	12H	12/20/1999	SOIL GRID	0.50	1.00		
HD12I3AAA	12I	12/21/1999	SOIL GRID	0.00	0.25		
HD12I3BAA	12I	12/21/1999	SOIL GRID	0.25	0.50		
HD12I3CAA	12I	12/21/1999	SOIL GRID	0.50	1.00		
HD12J3AAA	12J	12/21/1999	SOIL GRID	0.00	0.25		
HD12J3BAA	12J	12/21/1999	SOIL GRID	0.25	0.50		
HD12J3CAA	12J	12/21/1999	SOIL GRID	0.50	1.00		
HD12K3AAA	12K	12/21/1999	SOIL GRID	0.00	0.25		
HD12K3BAA	12K	12/21/1999	SOIL GRID	0.25	0.50		
HD12K3CAA	12K	12/21/1999	SOIL GRID	0.50	1.00		

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

TABLE 1
SAMPLING PROGRESS
12/20-12/24

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
HD12L3AAA	12L	12/21/1999	SOIL GRID	0.00	0.25		
HD12L3BAA	12L	12/21/1999	SOIL GRID	0.25	0.50		
HD12L3CAA	12L	12/21/1999	SOIL GRID	0.50	1.00		
HD12M3AAA	12M	12/22/1999	SOIL GRID	0.00	0.25		
HD12M3BAA	12M	12/22/1999	SOIL GRID	0.25	0.50		
HD12M3CAA	12M	12/22/1999	SOIL GRID	0.50	1.00		
HD12N3AAA	12N	12/22/1999	SOIL GRID	0.00	0.25		
HD12N3BAA	12N	12/22/1999	SOIL GRID	0.25	0.50		
HD12N3CAA	12N	12/22/1999	SOIL GRID	0.50	1.00		
HD12O3AAA	12O	12/22/1999	SOIL GRID	0.00	0.25		
HD12O3BAA	12O	12/22/1999	SOIL GRID	0.25	0.50		
HD12O3CAA	12O	12/22/1999	SOIL GRID	0.50	1.00		
HD12P3AAA	12P	12/22/1999	SOIL GRID	0.00	0.25		
HD12P3BAA	12P	12/22/1999	SOIL GRID	0.25	0.50		
HD12P3CAA	12P	12/22/1999	SOIL GRID	0.50	1.00		
HD12Q3AAA	12Q	12/22/1999	SOIL GRID	0.00	0.25		
HD12Q3BAA	12Q	12/22/1999	SOIL GRID	0.25	0.50		
HD12Q3CAA	12Q	12/22/1999	SOIL GRID	0.50	1.00		
HD12R3AAA	12R	12/22/1999	SOIL GRID	0.00	0.25		
HD12R3BAA	12R	12/22/1999	SOIL GRID	0.25	0.50		
HD12R3CAA	12R	12/22/1999	SOIL GRID	0.50	1.00		
HD12S3AAA	12S	12/23/1999	SOIL GRID	0.00	0.25		
HD12S3BAA	12S	12/23/1999	SOIL GRID	0.25	0.50		
HD12S3CAA	12S	12/23/1999	SOIL GRID	0.50	1.00		
HD12T3AAA	12T	12/23/1999	SOIL GRID	0.00	0.25		
HD12T3BAA	12T	12/23/1999	SOIL GRID	0.25	0.50		
HD12T3CAA	12T	12/23/1999	SOIL GRID	0.50	1.00		
HD90A1AAA	90A	12/20/1999	SOIL GRID	0.00	0.50		
HD90A1BAA	90A	12/20/1999	SOIL GRID	1.50	2.00		
HD90A3AAA	90A	12/20/1999	SOIL GRID	0.00	0.50		
HD90A3BAA	90A	12/20/1999	SOIL GRID	1.50	2.00		
HD90A5AAA	90A	12/20/1999	SOIL GRID	0.00	0.50		
HD90A5BAA	90A	12/20/1999	SOIL GRID	1.50	2.00		
HD90A7AAA	90A	12/20/1999	SOIL GRID	0.00	0.50		
HD90A7BAA	90A	12/20/1999	SOIL GRID	1.50	2.00		
HD90B1AAA	90B	12/20/1999	SOIL GRID	0.00	0.50		
HD90B1BAA	90B	12/20/1999	SOIL GRID	1.50	2.00		
HD90B3AAA	90B	12/20/1999	SOIL GRID	0.00	0.50		
HD90B3BAA	90B	12/20/1999	SOIL GRID	1.50	2.00		
HD90B5AAA	90B	12/20/1999	SOIL GRID	0.00	0.50		
HD90B5BAA	90B	12/20/1999	SOIL GRID	1.50	2.00		
HD90B7AAA	90B	12/20/1999	SOIL GRID	0.00	0.50		
HD90B7BAA	90B	12/20/1999	SOIL GRID	1.50	2.00		

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



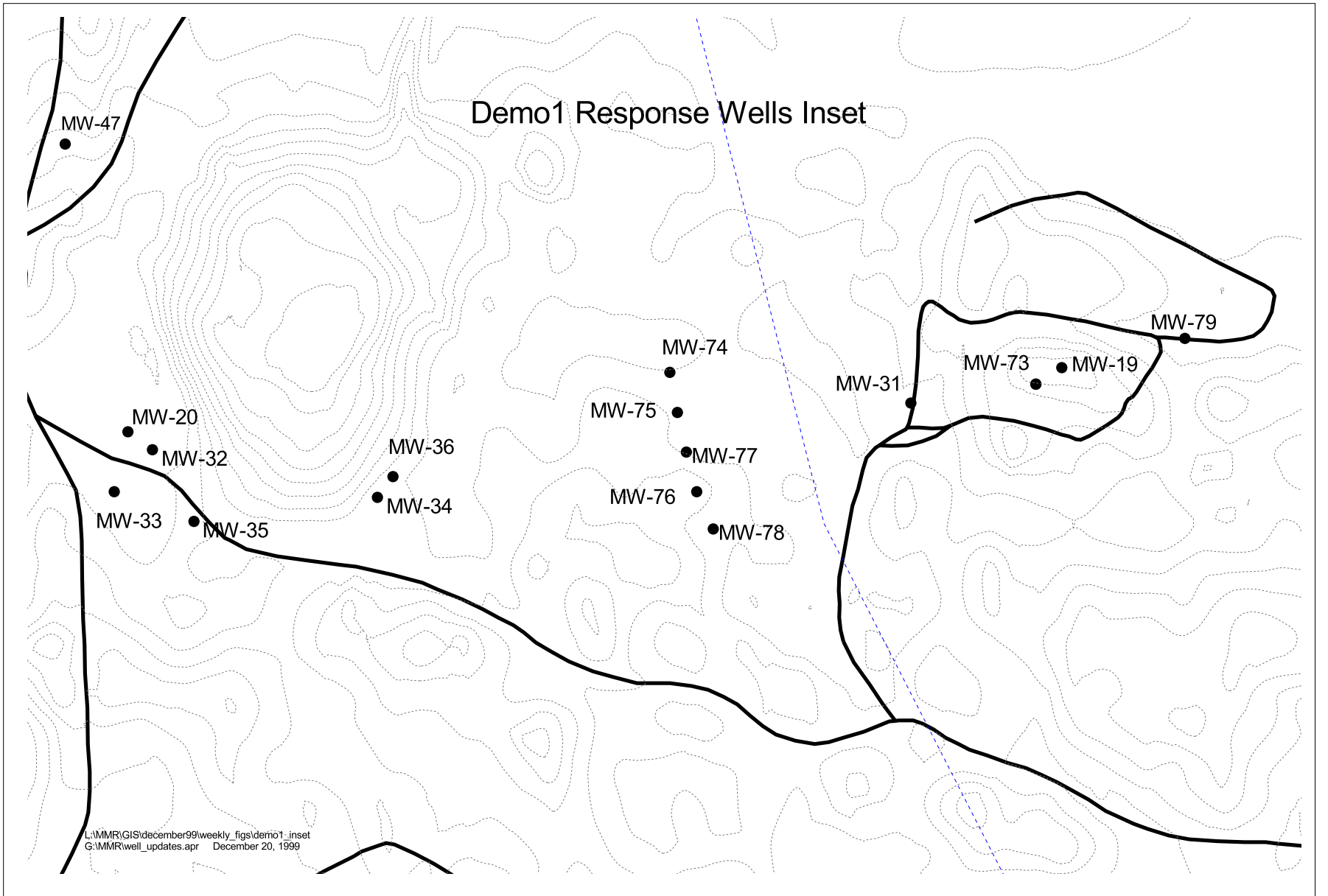
Sources & Notes

Map Coordinates: Stateplane,
NAD83, Zone 4151, Meters
Source: MASSGIS

Location of Existing and Proposed Groundwater Monitoring Wells As Of 12/16/99

L:\MMR\GIS\december99\weekly_figs\dec1699_wells
G:\MMR\well_updates.apr December 20, 1999

December 16, 1999 DRAFT


Demo1 Response Wells Inset
MW-47
MW-79
MW-74
MW-73
MW-19
MW-31
MW-75
MW-20
MW-32
MW-36
MW-77
MW-34
MW-76
MW-33
MW-35
MW-78
L:\MMR\GIS\december99\weekly_figs\demo1_inset
G:\MMR\well_updates.apr December 20, 1999