WEEKLY PROGRESS UPDATE
FOR JULY 2 – JULY 6, 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 July 2 to July 6, 2001.

1. SUMMARY OF ACTIONS TAKEN

Drilling progress as of July 6 is summarized in Table 1.

Table 1. Drilling progress as of July 6, 2001

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-174	Old D Range Well (SAR-1)	70		

Bgs = below ground surface
Bwt = below water table

Commenced drilling at MW-174 (SAR-1). Continued well development of newly installed wells including MW-173.

Samples collected during the reporting period are summarized in Table 2. Surface water samples were collected in Snake Pond at the Camp GoodNews and public beaches. A water sample was collected from the GAC unit. As part of the HUTA investigation, post-detonation samples were collected in the HUTA.

No Tech team meeting was convened this week, due to the July 4th holiday.

An addition to the Tech meeting notes from June 28, 2001 was provided by Jane Dolan (EPA) subsequent to the completion of last week's progress update as follows:

- Jane Dolan (EPA) strongly urged the Guard to complete PDA review of delineation soil results for the Target 9 RRA effort ASAP, feeling that it should not require 4 days as scheduled. In addition, Ms. Dolan thought that the Group 1 sites had been excavated in 1 or 2 days, more quickly than the 1 or 2 weeks scheduled for the Target 9 removal.

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 collected from MW-143M2 (J-3 Range on Greenway Road) had a detection of RDX that was verified by PDA spectra. This sample was re-analyzed because RDX was not reported in the recent analysis, although it had been detected in previous sampling rounds (see July 18 – 22 Weekly Progress Update).

- A UXO crater soil sample collected at Target 9 had detections of RDX and HMX that were verified by PDA spectra.

3. DELIVERABLES SUBMITTED

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4. SCHEDULED ACTIONS

Scheduled actions for the week of July 9 include installation at MW-174 (SAR-1), continue development of newly installed wells, and commence additional delineation soil sampling at J-2 Range.

5. SUMMARY OF ACTIVITIES FOR DEMO 1

An additional downgradient well location (D1P-7) was selected and the Record of Action approved; this well will be drilled following MW-174. Analysis of first, second, and third round groundwater samples from newly installed wells is ongoing.

TABLE 2
SAMPLING PROGRESS
6/30/2001-7/6/2001

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
5.A.1.01005.1.0	A.1.01005.R	07/05/2001	CRATER GRID	0.00	0.25		
5.A.1.01005.1.D	A.1.01005.R	07/05/2001	CRATER GRID	0.00	0.25		
5.A.1.01005.10.0	A.1.01005.R	07/05/2001	CRATER GRID	0.00	0.25		
5.A.1.01005.2.0	A.1.01005.R	07/05/2001	CRATER GRID	0.00	0.25		
5.A.1.01005.3.0	A.1.01005.R	07/05/2001	CRATER GRID	0.00	0.25		
5.A.1.01005.4.0	A.1.01005.R	07/05/2001	CRATER GRID	0.00	0.25		
5.A.1.01005.5.0	A.1.01005.R	07/05/2001	CRATER GRID	0.00	0.25		
5.A.1.01005.6.0	A.1.01005.R	07/05/2001	CRATER GRID	0.00	0.25		
5.A.1.01005.7.0	A.1.01005.R	07/05/2001	CRATER GRID	0.00	0.25		
5.A.1.01005.8.0	A.1.01005.R	07/05/2001	CRATER GRID	0.00	0.25		
5.A.1.01005.9.0	A.1.01005.R	07/05/2001	CRATER GRID	0.00	0.25		
0.G.0.00103.0.T	TRIP BLANK 103	07/06/2001	FIELDQC	0.00	0.00		
DW070201	GAC WATER	07/02/2001	IDW	0.00	0.00		
LKSNK0004AAA	SNK0004	07/03/2001	SURFACE WATER	0.00	0.00		
LKSNK0005AAA	SNK0005	07/03/2001	SURFACE WATER	0.00	0.00		

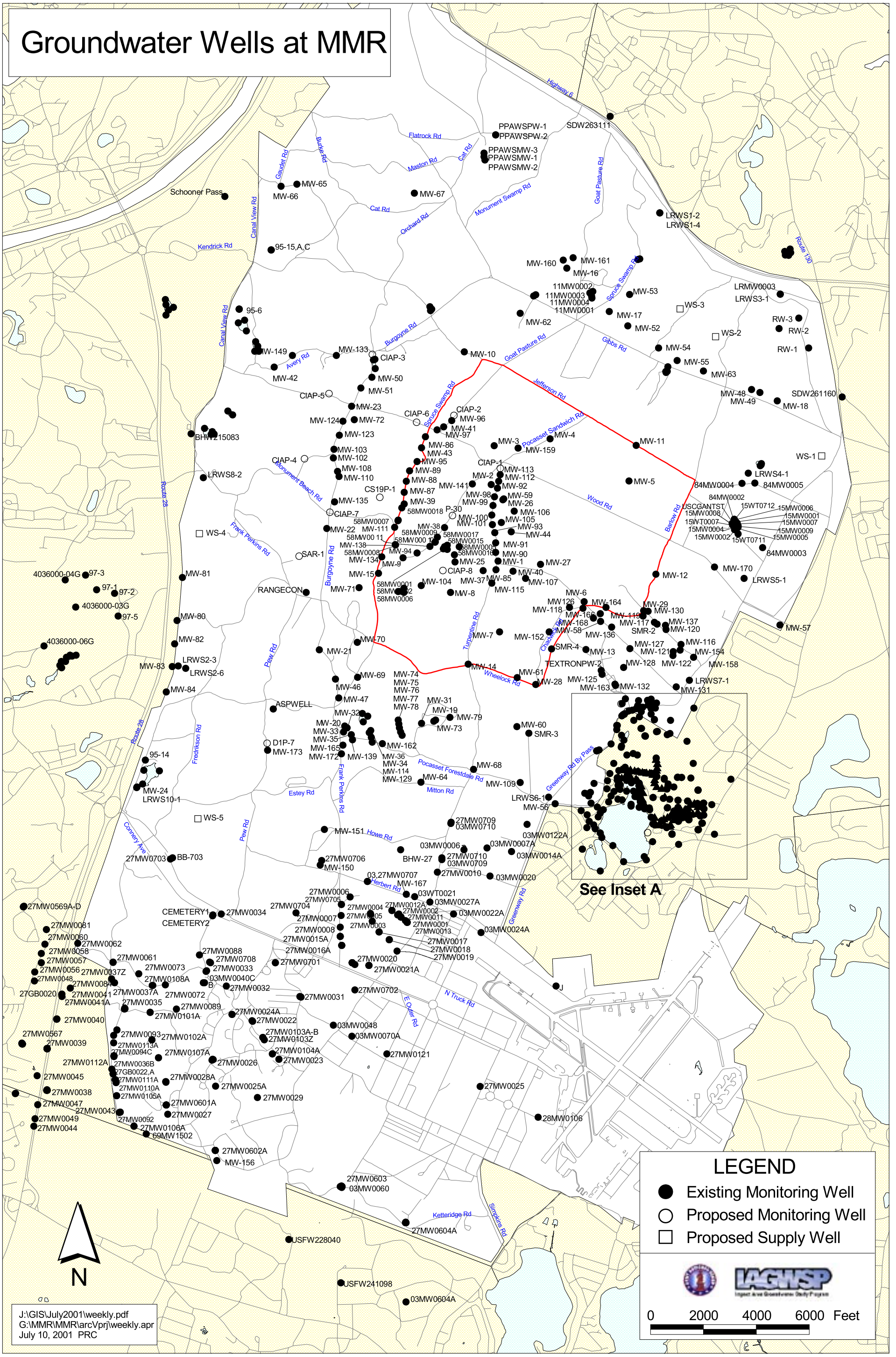
Profiling methods include: Volatiles and Explosives
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
Other Sample Types methods are variable
SBD = Sample Begin Depth, measured in feet bgs
SED = Sample End Depth, measured in feet bgs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

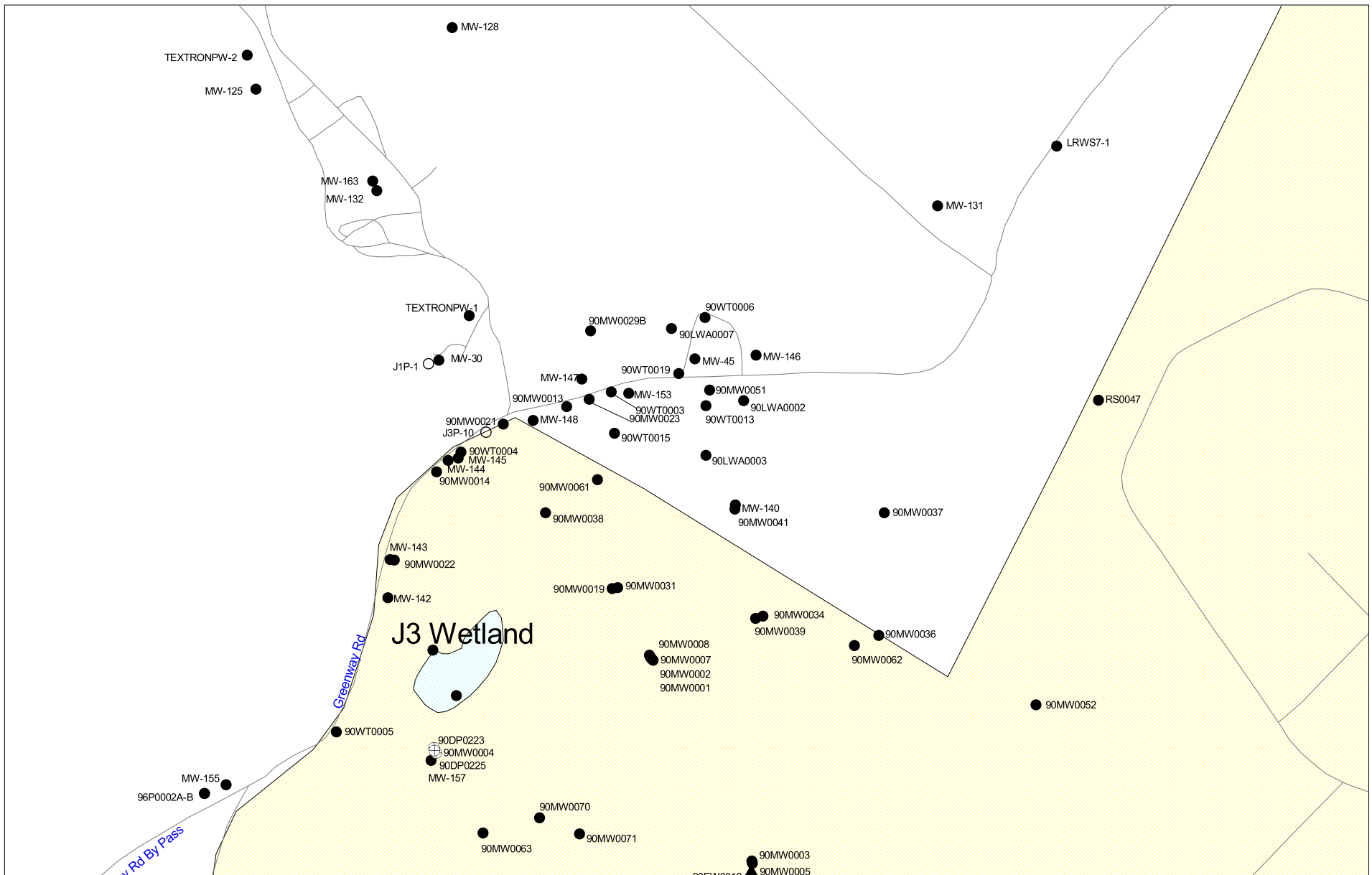
TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 6/16/01-7/6/01

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
W143M2A	MW-143	06/12/2001	GROUNDWATER	117.00	122.00	84.05	89.05	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
HDA06140101AA	A06140101	06/23/2001	SOIL GRID	0.00	0.25			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3	YES
HDA06140101AA	A06140101	06/23/2001	SOIL GRID	0.00	0.25			8330N	OCTAHYDRO-1,3,5,7-TETRANITI	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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July 10, 2001 PRC