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|---------------|------------------|------------------|
| HMW-08 | 3/16/2011 | 8/23/2011 |
| Chloride (Cl) | 1,310,000 | 1,420,000 |
| Sulfate | 7,840,000 | 8,340,000 |

HMW-08 is approximately 960 feet northwest of HMW-30

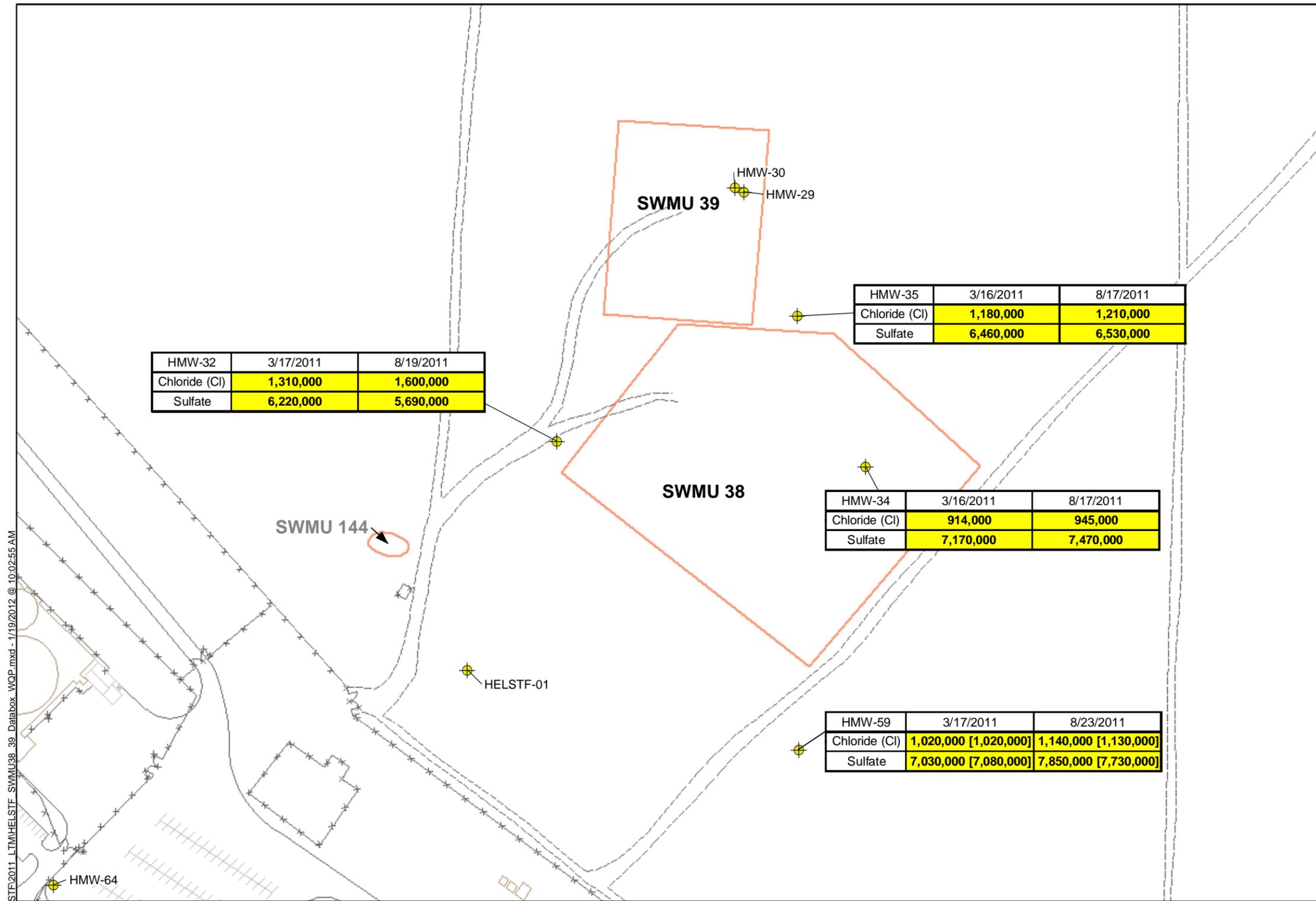
| | | |
|---------------|------------------|------------------|
| HMW-35 | 3/16/2011 | 8/17/2011 |
| Chloride (Cl) | 1,180,000 | 1,210,000 |
| Sulfate | 6,460,000 | 6,530,000 |

| | | |
|---------------|------------------|------------------|
| HMW-32 | 3/17/2011 | 8/19/2011 |
| Chloride (Cl) | 1,310,000 | 1,600,000 |
| Sulfate | 6,220,000 | 5,690,000 |

| | | |
|---------------|------------------|------------------|
| HMW-34 | 3/16/2011 | 8/17/2011 |
| Chloride (Cl) | 914,000 | 945,000 |
| Sulfate | 7,170,000 | 7,470,000 |

| | | |
|---------------|------------------------------|------------------------------|
| HMW-59 | 3/17/2011 | 8/23/2011 |
| Chloride (Cl) | 1,020,000 [1,020,000] | 1,140,000 [1,130,000] |
| Sulfate | 7,030,000 [7,080,000] | 7,850,000 [7,730,000] |

| Groundwater Standards | | |
|-----------------------|---------------|----------------|
| Analyte | Standard Name | Standard Value |
| Chloride (Cl) | NMED_GW | 250,000 µg/L |
| Sulfate | NMED_GW | 600,000 µg/L |



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LEGEND

- WELLS SCREENED IN THE REGIONAL AQUIFER
- SWMU BOUNDARY
- SITE FEATURES
- PAVED ROAD
- BUILDING
- DIRT ROAD
- FENCE

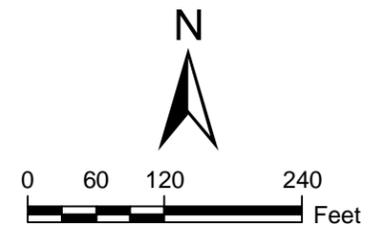
NOTES:

1. DATA PRESENTED ARE GROUNDWATER SAMPLES COLLECTED BY ARCADIS IN 2011.
2. YELLOW HIGHLIGHT INDICATES EITHER THE REPORTED RESULT EXCEEDS THE PUBLISHED SCREENING LEVEL OR THE DETECTION LIMIT EXCEEDS THE PUBLISHED SCREENING LEVEL.
3. BOLD FONT INDICATES THE REPORTED RESULT IS ABOVE THE METHOD DETECTION LIMIT (MDL) AND IS A DETECTED RESULT.
4. SCREENING CRITERIA CONSIST OF THE LOWER VALUE BETWEEN THE USEPA MCL (2009) AND NMED WQCC STANDARD (2004). IF NO MCL OR WQCC STANDARD WAS AVAILABLE FOR AN ANALYTE, THE NMED OR EPA TAPWATER SCREENING LEVEL (2009) WAS USED, IF AVAILABLE.
5. ALL GROUNDWATER RESULTS ARE REPORTED IN µg/L (MICROGRAMS PER LITER).
6. BRACKETS INDICATE THAT THE RESULT SHOWN IS FROM A DUPLICATE FIELD SAMPLE.
7. ONLY THOSE ANALYTES WITH AT LEAST ONE DETECTED EXCEEDANCE OF THE SCREENING CRITERIA ARE SHOWN.

USEPA: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
MCL: MAXIMUM CONTAMINANT LEVEL
NMED: NEW MEXICO ENVIRONMENT DEPARTMENT
WQCC: WATER QUALITY CONTROL COMMISSION
EPA_MCL_GW: USEPA MAXIMUM CONTAMINANT LEVEL, AS DEFINED IN 40 CODE OF FEDERAL REGULATIONS, PART 141.
NMED_GW: NMED WATER QUALITY CONTROL COMMISSION (WQCC) STANDARD, 1995, PART 2 (ENVIRONMENTAL PROTECTION WATER QUALITY GROUND AND SURFACE WATER PROTECTION: 20.6.2.3103, STANDARDS FOR GROUND WATER OF 10,000 mg/L TDS CONCENTRATION OR LESS). (WQCC ADOPTED STANDARDS FOR NMED GROUNDWATER QUALITY BUREAU (GWQB) EXCEPT FOR MTBE AND FREE PRODUCT)
TDS: TOTAL DISSOLVED SOLIDS
MTBE: METHYL TERT BUTYL ETHER

MG/L: MILLIGRAM PER LITER

SOURCE: BASE MAP PROVIDED BY ZIA AND RECTIFIED TO DECEMBER 2008 SATELLITE IMAGE.



WHITE SANDS MISSILE RANGE
NEW MEXICO

SWMUS 38 AND 39 - HELSTF LANDFILLS

**EXCEEDANCES OF GROUNDWATER STANDARDS
WATER QUALITY PARAMETERS**

ARCADIS

FIGURE