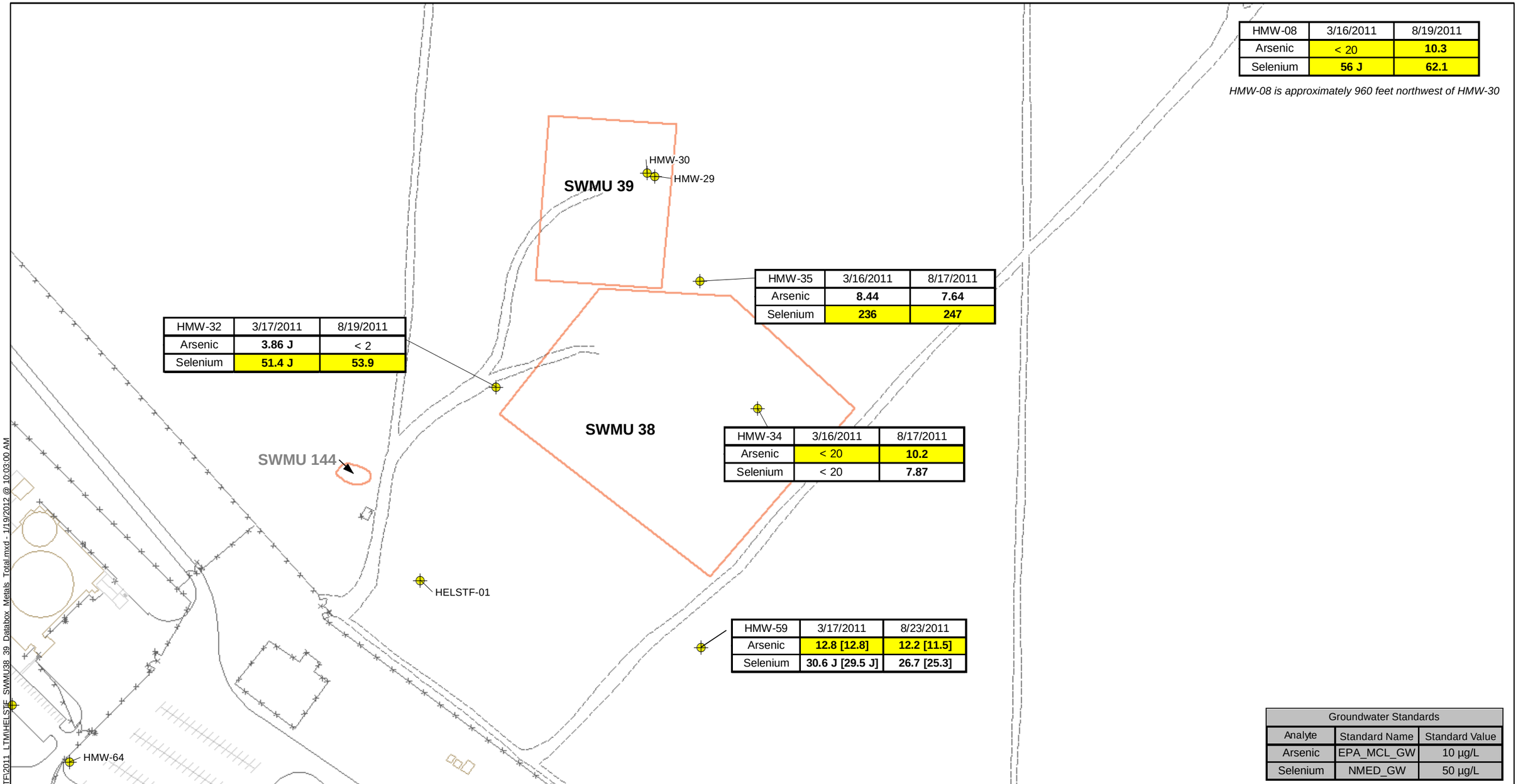

HMW-08	3/16/2011	8/19/2011
Arsenic	< 20	**10.3**
Selenium	**56 J**	**62.1**

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

HMW-35	3/16/2011	8/17/2011
Arsenic	**8.44**	**7.64**
Selenium	**236**	**247**

HMW-32	3/17/2011	8/19/2011
Arsenic	**3.86 J**	< 2
Selenium	**51.4 J**	**53.9**

HMW-34	3/16/2011	8/17/2011
Arsenic	< 20	**10.2**
Selenium	< 20	**7.87**

HMW-59	3/17/2011	8/23/2011
Arsenic	**12.8 [12.8]**	**12.2 [11.5]**
Selenium	**30.6 J [29.5 J]**	**26.7 [25.3]**

Groundwater Standards		
Analyte	Standard Name	Standard Value
Arsenic	EPA_MCL_GW	10 µg/L
Selenium	NMED_GW	50 µg/L

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 OF THE NEW MEXICO ADMINISTRATIVE CODE (NMAC). TITLE 20, CHAPTER 6, 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
J: INDICATES AN ESTIMATED VALUE
<: SAMPLE RESULT WAS NOT DETECTED AT LABORATORY REPORTING LIMIT SHOWN

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

N

0 60 120 240 Feet

WHITE SANDS MISSILE RANGE
NEW MEXICO
SWMUS 38 AND 39 - HELSTF LANDFILLS

EXCEEDANCES OF GROUNDWATER STANDARDS METALS - TOTAL

ARCADIS

FIGURE

I:\WhiteSands\GIS\ArcMap_MXD\HELSTF\2011_LTM\HELSTF_SWMU38_39_Databox_Metals_Total.mxd - 1/19/2012 @ 10:03:00 AM