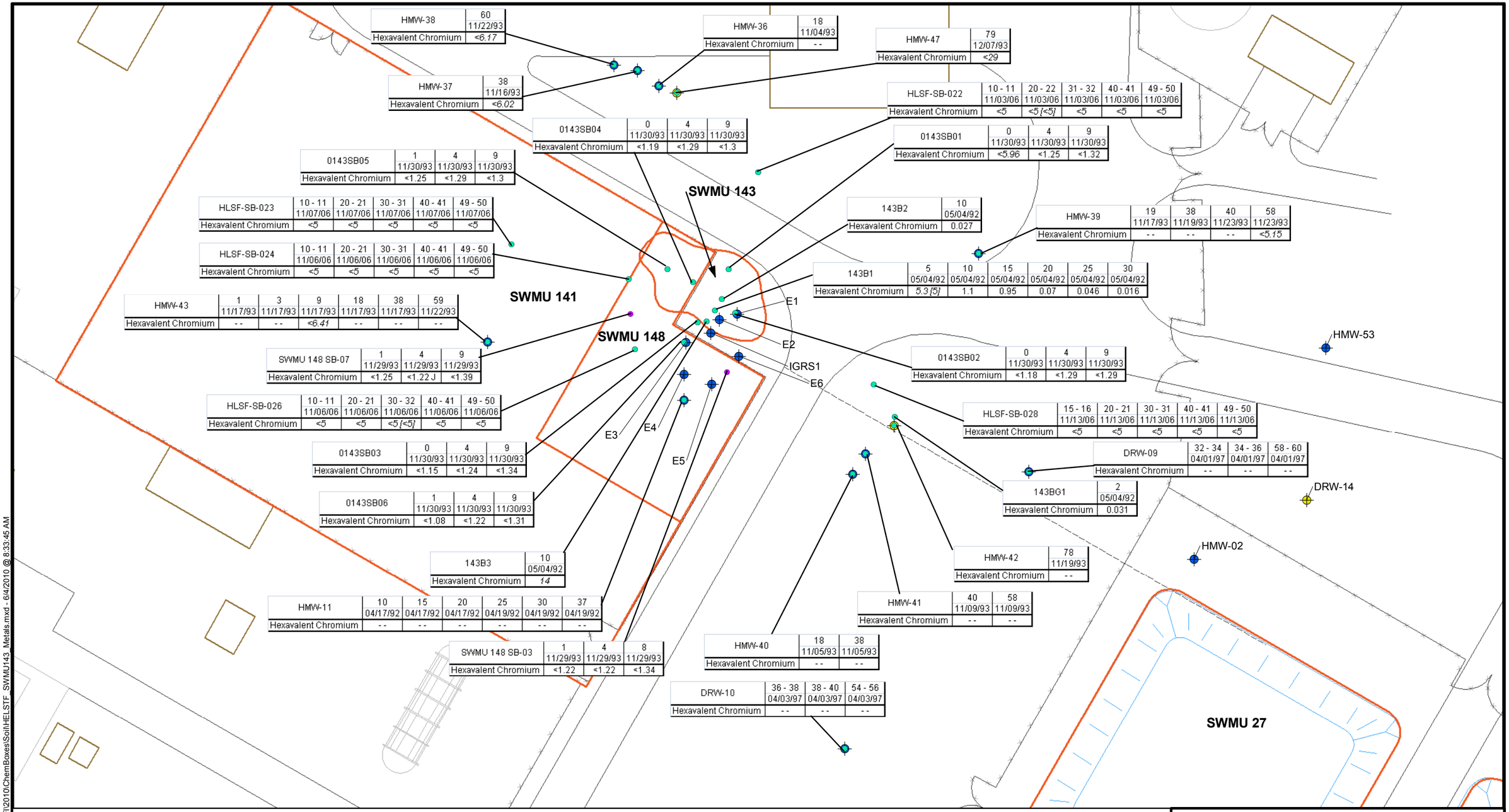

LEGEND

- SOIL SAMPLE LOCATIONS - SWMU 143
- SOIL SAMPLE LOCATIONS - OTHER SWMUS
- WELLS SCREENED IN THE VADOSE ZONE
- WELLS SCREENED IN THE REGIONAL AQUIFER
- SITE FEATURES
- BUILDING
- POND/LAGOON
- FENCE
- RAIL ROAD
- PAVED ROAD
- DIRT ROAD
- SWMU BOUNDARY

NOTES:
1. THE SOIL SAMPLE DEPTH MEASURED IN FEET BELOW GROUND SURFACE FOR EACH LOCATION IS SHOWN IN THE TOP LINE OF THE DATA BOX.
2. FOR SHALLOW SOILS (0 TO 10 FEET BELOW GROUND SURFACE), SCREENING CRITERIA CONSIST OF THE LOWER VALUE BETWEEN THE NMED DAF (2009) AND RESIDENTIAL NMED SSLS (2009) IF AVAILABLE. IF NO NMED SSLS EXIST, THEN THE USEPA SSLS (2009) IS APPLIED. FOR DEEP SOILS (GREATER THAN 10 FEET BELOW GROUND SURFACE), SCREENING CRITERIA CONSIST OF THE NMED DAF (2009). DAF 1 WAS USED FOR DATA ASSOCIATED WITH SWMUS 142, 143, 144 AND 154, DAF 10 WAS USED FOR DATA ASSOCIATED WITH SWMUS 27, 38 AND 39, AND 141. DAF20 WAS USED FOR ALL OTHER DATA.
3. YELLOW HIGHLIGHT INDICATES THE REPORTED RESULT EXCEEDS THE PUBLISHED SSLS.
4. ITALICS INDICATES THAT THE REPORTED RESULT EXCEEDS THE NMED DAF 1 SCREENING VALUE.
5. ALL SOIL RESULTS ARE REPORTED IN MG/KG (MILLIGRAM PER KILOGRAM).
6. BRACKETS INDICATE THAT THE RESULT SHOWN IS FROM A DUPLICATE FIELD SAMPLE.
7. DATA COLLECTED PRIOR TO 2009 WERE COLLECTED BY OTHERS AND WERE PROVIDED TO ARCADIS BY WHITE SANDS MISSILE RANGE.

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

USEPA: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
NMED: NEW MEXICO ENVIRONMENT DEPARTMENT
DAF: DILUTION ATTENUATION FACTOR
SSL: SOIL SCREENING LEVEL
J: INDICATES AN ESTIMATED VALUE
<: SAMPLE RESULT WAS NOT DETECTED AT LABORATORY REPORTING LIMIT SHOWN.
--: SAMPLE WAS NOT ANALYZED.

N

0 40 80 Feet

WHITE SANDS MISSILE RANGE
NEW MEXICO

REVISED PHASE III RCRA FACILITY INVESTIGATION (RFI) REPORT – HELSTF SITE – SECOND REVISION (AUGUST, 2010)

SWMU 143
EXCEEDANCES OF SOIL STANDARDS METALS

ARCADIS

FIGURE
6.13-2

I:\WhiteSands\GIS\ArcMap_MXD\HELSTF\RFI\2010\ChemBoxes\Soil\HELSTF_SWMU143_Metals.mxd - 6/4/2010 @ 8:33:45 AM