N

0 100 200 300 Feet

698,000 N
697,500 N
697,000 N
696,500 N
696,000 N
695,500 N

13,055,500 E
13,056,000 E
13,056,500 E
13,057,000 E
13,057,500 E
13,058,000 E
13,058,500 E
13,059,000 E
13,059,500 E

WMW-28D NS

SBI-10 NS

SBI-09 NS

GMW-16D NS

WMW-27D NS

MW-16D2A
ARSENIC 24.7 J
BARIUM 3390 J
BERYLLIUM 3.51 J
CYANIDE 76.3 J

WMW-16D2 NS

WMW-36D NS

SBI-08 (GRAB SAMPLE)
62' - 67'
ARSENIC 6.66
BARIUM 953
CHROMIUM 2.59
MERCURY 0.0322 J
VANADIUM 1.15 J

SBI-07 (GRAB SAMPLE)
56' - 61'
ARSENIC 17 J
BARIUM 15700
BERYLLIUM 7.98 J
MERCURY 0.058 J

GMW-10D NS

WMW-21D2R
BARIUM 5100 J

WMW-21DR
BARIUM 4100 J

SBI-06 (GRAB SAMPLE)
60.5' - 65.5'
ARSENIC 20.8 J
BARIUM 3960
BERYLLIUM 5.48 J
CADMIUM 31.1 J
CYANIDE 28.1 J
SELENIUM 29.9 J
THALLIUM 83.4

WMW-20D NS

WMW-30D
ARSENIC 3.19
BARIUM 293
CHROMIUM 3.92
CYANIDE 12.2
LEAD 7.22
VANADIUM 1.81 J

WMW-41D NS

WMW-19DR
ARSENIC 8.32
BARIUM 2080
CHROMIUM 1.84 J
LEAD 15.6
MERCURY 0.0998 J

WMW-22D NS

WMW-40D NS

WMW-37D NS

WMW-17D NS

GMW-14D NS

WMW-42D

WMW-24D NS

WMW-19D2 NS

WMW-38D NS

MW-17D2
ARSENIC 24.1
BARIUM 4600
BERYLLIUM 1.26 J
MERCURY 0.0585 J
SELENIUM 90.9 J

MW-34D
BARIUM 4440 J
BERYLLIUM 7.14 J

SBI-05 (GRAB SAMPLE)
65' - 70'
ARSENIC 6.14 J
BARIUM 5010
BERYLLIUM 24 J
THALLIUM 416

SBI-04 (GRAB SAMPLE)
67' - 72'
ARSENIC 1.36 J
BARIUM 85.6 J
CHROMIUM 4.1
VANADIUM 3.12

WMW-33D NS

WMW-44D NS

GMW-15D NS

GMW-07D NS

SBI-03 NS

MW-31DA
BARIUM 9.23 J
CYANIDE 6.53 J

WMW-31D NS

SBI-02 NS

WMW-43D NS

WMW-39D NS

SBI-01 NS

WMW-18D NS

GMW-01D NS

WMW-32D NS

LEGEND

- SOIL BORING
- LOWER UNIT MONITORING WELL
- MONITORING WELL NOT SCREENED IN THE LOWER UNIT
- NS NO SAMPLE FROM THIS LOCATION

NOTES:

1. BASE MAP PROVIDED BY WESTON SOLUTIONS OF MICHIGAN, INC.
2. LAND SURVEY ELEVATIONS WERE REFERENCED TO NAVD OF 1988 FEET MSL. THE HORIZONTAL LOCATIONS WERE REFERENCED TO THE MICHIGAN STATE PLANE COORDINATE SYSTEM NAD83, INTERNATIONAL FEET - SOUTH (2113) ZONE.
3. SMI - SOURCE MIGRATION INVESTIGATION
4. ALL RESULTS REPORTED IN MICROGRAMS PER LITER (ug/L)
5. ONLY DETECTIONS OF ANTIMONY, ARSENIC, BARIUM, BERYLLIUM, CADMIUM, CHROMIUM, COBALT, CYANIDE, MERCURY, SELENIUM, THALLIUM, AND VANADIUM ARE SHOWN.
6. "J" FLAGGED RESULTS ARE ESTIMATED.

FIGURE 3-12
LOWER UNIT, SELECT METALS DETECTIONS IN GROUNDWATER
SMI DATA EVALUATION REPORT
VELSICOL / PINE RIVER SITE
ST. LOUIS, MICHIGAN

CH2MHILL

File Path: E:\Velsicol\GIS_Data\Velsicol\MXDs\SMI\DRAFT_FINAL\03-12_Vel_LU_Metals_Results_May2005.mxd, Date: 09 08, 2005, User: MPETERSH