

Location	Depth (ft)	Parameter	Result (ppm)
010	0.0-1.0	Cd	1.2
010	0.0-1.0	Cn	15.0
010	0.0-1.0	Pb	0.15
010	0.0-1.0	Mn	100
010	1.0-2.0	Cd	0.8
010	1.0-2.0	Cn	12.0
010	1.0-2.0	Pb	0.12
010	1.0-2.0	Mn	80
010	2.0-3.0	Cd	0.5
010	2.0-3.0	Cn	10.0
010	2.0-3.0	Pb	0.10
010	2.0-3.0	Mn	60

Location	Depth (ft)	Parameter	Result (ppm)
015	0.0-1.0	Cd	1.5
015	0.0-1.0	Cn	18.0
015	0.0-1.0	Pb	0.18
015	0.0-1.0	Mn	120
015	1.0-2.0	Cd	1.0
015	1.0-2.0	Cn	14.0
015	1.0-2.0	Pb	0.14
015	1.0-2.0	Mn	90
015	2.0-3.0	Cd	0.7
015	2.0-3.0	Cn	11.0
015	2.0-3.0	Pb	0.11
015	2.0-3.0	Mn	70

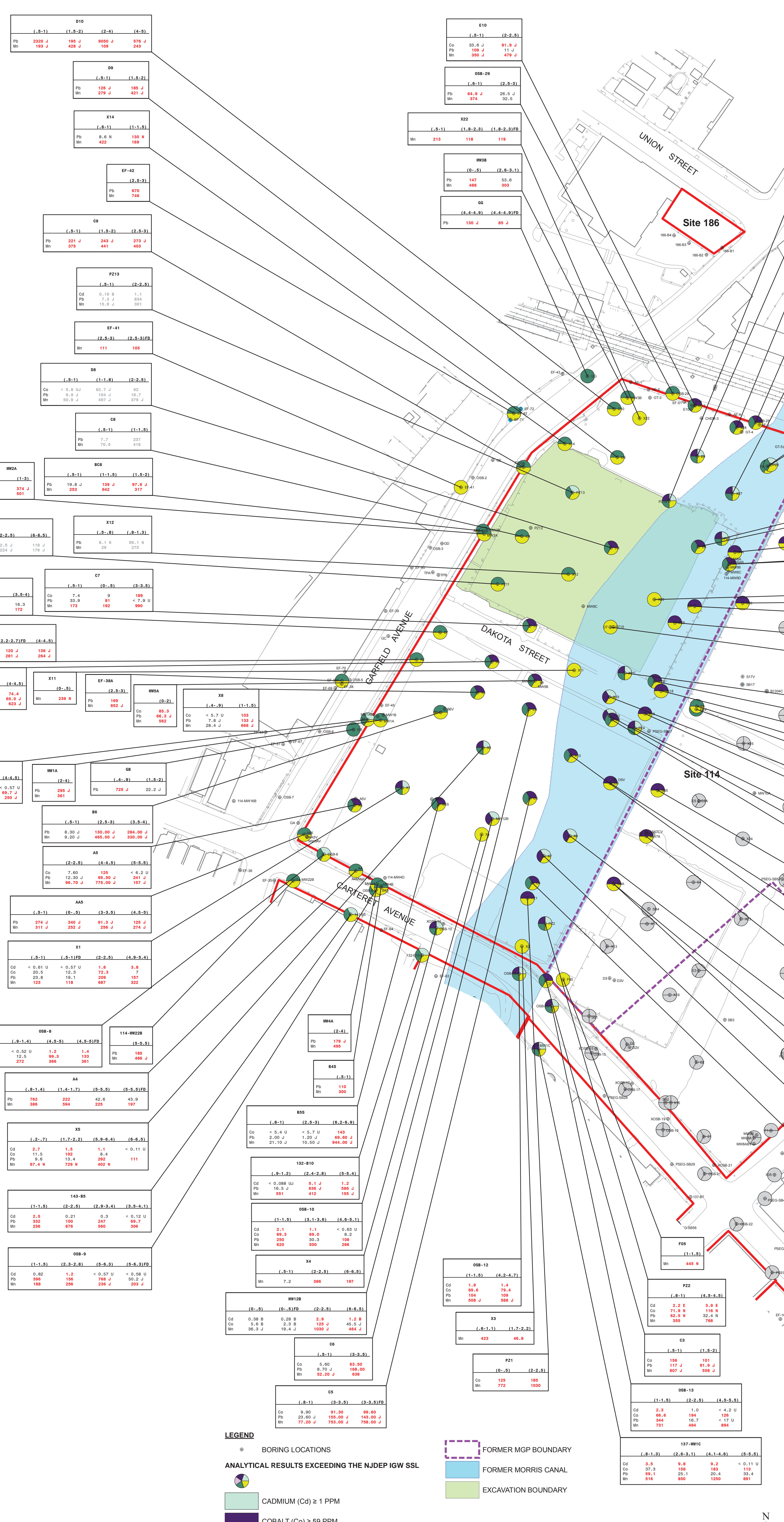
Location	Depth (ft)	Parameter	Result (ppm)
020	0.0-1.0	Cd	1.8
020	0.0-1.0	Cn	20.0
020	0.0-1.0	Pb	0.20
020	0.0-1.0	Mn	140
020	1.0-2.0	Cd	1.2
020	1.0-2.0	Cn	16.0
020	1.0-2.0	Pb	0.16
020	1.0-2.0	Mn	100
020	2.0-3.0	Cd	0.9
020	2.0-3.0	Cn	13.0
020	2.0-3.0	Pb	0.13
020	2.0-3.0	Mn	80

Location	Depth (ft)	Parameter	Result (ppm)
025	0.0-1.0	Cd	2.0
025	0.0-1.0	Cn	22.0
025	0.0-1.0	Pb	0.22
025	0.0-1.0	Mn	160
025	1.0-2.0	Cd	1.4
025	1.0-2.0	Cn	18.0
025	1.0-2.0	Pb	0.18
025	1.0-2.0	Mn	120
025	2.0-3.0	Cd	1.0
025	2.0-3.0	Cn	14.0
025	2.0-3.0	Pb	0.14
025	2.0-3.0	Mn	90

Location	Depth (ft)	Parameter	Result (ppm)
030	0.0-1.0	Cd	2.2
030	0.0-1.0	Cn	24.0
030	0.0-1.0	Pb	0.24
030	0.0-1.0	Mn	180
030	1.0-2.0	Cd	1.6
030	1.0-2.0	Cn	20.0
030	1.0-2.0	Pb	0.20
030	1.0-2.0	Mn	140
030	2.0-3.0	Cd	1.2
030	2.0-3.0	Cn	16.0
030	2.0-3.0	Pb	0.16
030	2.0-3.0	Mn	100

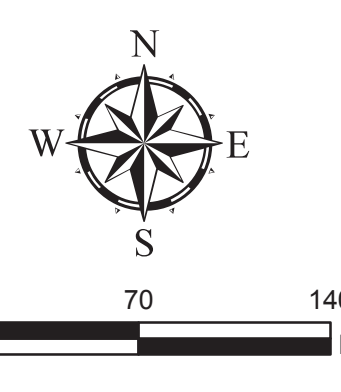
Location	Depth (ft)	Parameter	Result (ppm)
035	0.0-1.0	Cd	2.5
035	0.0-1.0	Cn	26.0
035	0.0-1.0	Pb	0.26
035	0.0-1.0	Mn	200
035	1.0-2.0	Cd	1.8
035	1.0-2.0	Cn	22.0
035	1.0-2.0	Pb	0.22
035	1.0-2.0	Mn	160
035	2.0-3.0	Cd	1.4
035	2.0-3.0	Cn	18.0
035	2.0-3.0	Pb	0.18
035	2.0-3.0	Mn	120

Location	Depth (ft)	Parameter	Result (ppm)
040	0.0-1.0	Cd	2.8
040	0.0-1.0	Cn	28.0
040	0.0-1.0	Pb	0.28
040	0.0-1.0	Mn	220
040	1.0-2.0	Cd	2.0
040	1.0-2.0	Cn	24.0
040	1.0-2.0	Pb	0.24
040	1.0-2.0	Mn	180
040	2.0-3.0	Cd	1.6
040	2.0-3.0	Cn	20.0
040	2.0-3.0	Pb	0.20
040	2.0-3.0	Mn	140



LEGEND

- BORING LOCATIONS
- ANALYTICAL RESULTS EXCEEDING THE NJDEP IGW SSL
- CADMIUM (Cd) ≥ 1 PPM
- COBALT (Co) ≥ 59 PPM
- CYANIDE (CN) ≥ 13 PPM
- LEAD (Pb) ≥ 59 PPM
- MANGANESE (Mn) ≥ 42 PPM
- NO OTHER METALS EXCEEDANCE AT THIS LOCATION
- FORMER MGP BOUNDARY
- FORMER MORRIS CANAL
- EXCAVATION BOUNDARY
- SAMPLE LOCATION
- (DEPTH IN FEET)
- ANALYTE NAME RESULTS (ppm)



NOTES:
 1. HORIZONTAL DATUM - NAD 1983
 2. VERTICAL DATUM - NAVD 1989
 3. DATA ARE COMPARED TO THE DEFAULT NJDEP IMPACT TO GROUNDWATER SOIL SCREENING LEVELS FOR GROUP 1 AND GROUP 2 OTHER METALS ARE PRESENTED ON SEPARATE MAPS.
 4. DATA FOR LOCATIONS EAST AND SOUTH ARE PRESENTED ON SEPARATE MAPS.
 5. RED FONT INDICATES AN EXCEEDANCE OF THE NJDEP IGW SSL.
 6. RED FONT INDICATES AN EXCEEDANCE OF THE NJDEP IGW SSL.
 7. GREY FONT INDICATES SOIL WAS REMOVED IN 2010-2011 DURING INTERIM REMEDIAL MEASURE #1.
 8. "FD" INDICATES FIELD DUPLICATE.
 9. FORMER MORRIS CANAL LIMITS ARE BASED ON ORIGINAL SURVEYS AND MAPPING BY J.R. BIEHN AND C.C. VERMEULE, 1991.
 10. BLANKS INDICATE DATA NOT ANALYZED.

PPG INDUSTRIES
 GARFIELD AVENUE PROJECT AREA, JERSEY CITY
 REMEDIAL INVESTIGATION REPORT
 HUDSON COUNTY, NEW JERSEY
 60154801
 DATE: NOVEMBER 2011 DRAWN: J.E.B. CHECKED BY: C.A.D.

FIGURE 5-18
SOIL COMPARISON TO NJDEP IGW SSL -
NORTHWEST GARFIELD AVENUE SITES
GROUP 2 OTHER METALS AND CYANIDE (ppm)

