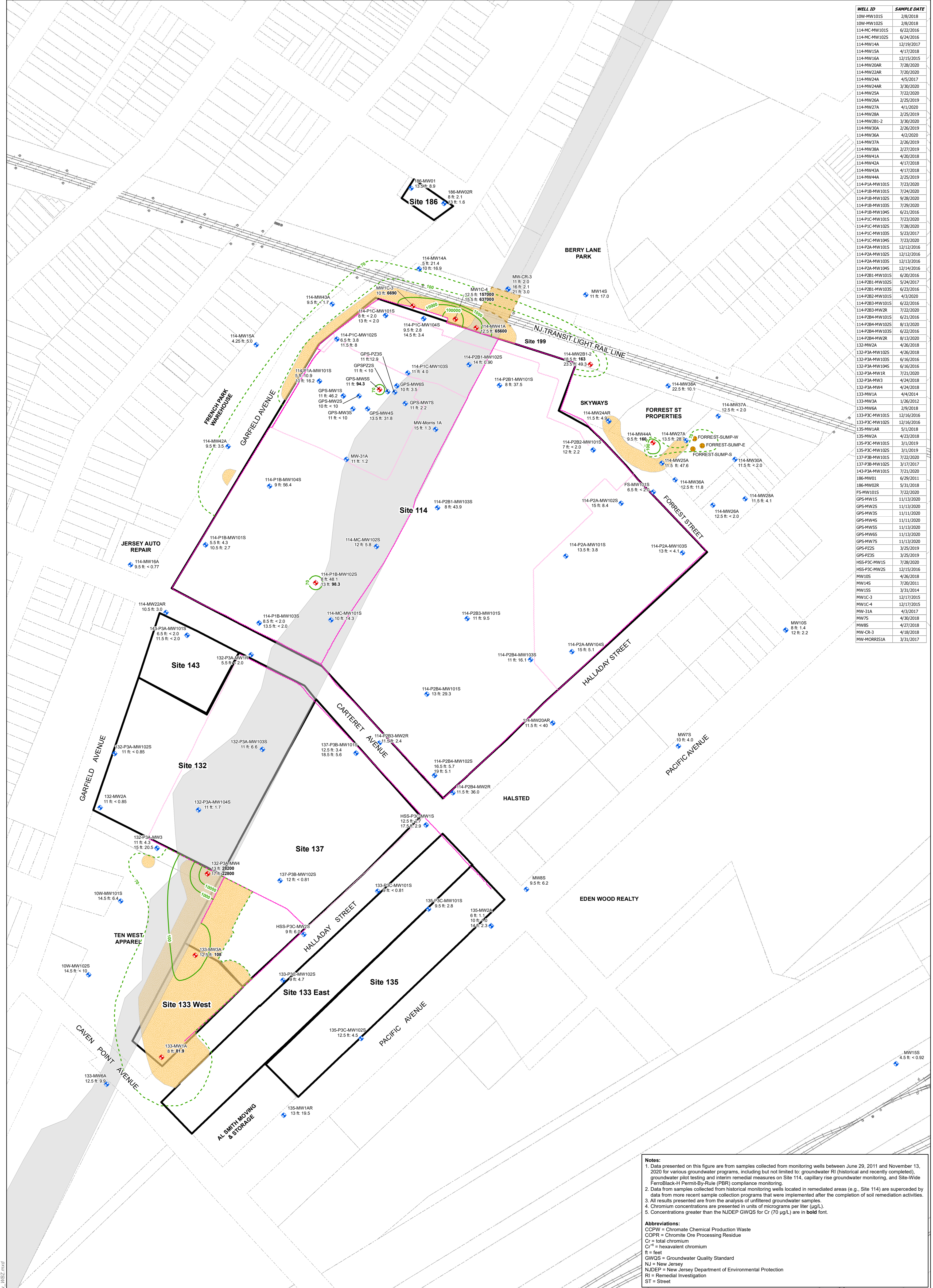


WELL ID	SAMPLE DATE
10W-MW101S	2/8/2018
10W-MW102S	2/8/2018
114-MC-MW101S	6/22/2016
114-MC-MW102S	6/24/2016
114-MW14A	12/19/2017
114-MW15A	4/17/2018
114-MW16A	12/15/2015
114-MW20AR	7/28/2020
114-MW22AR	7/20/2020
114-MW24A	4/5/2017
114-MW24AR	3/30/2020
114-MW25A	7/22/2020
114-MW26A	2/25/2019
114-MW27A	4/1/2020
114-MW28A	2/25/2019
114-MW281-2	3/30/2020
114-MW30A	2/26/2019
114-MW36A	4/2/2020
114-MW37A	2/26/2019
114-MW38A	2/27/2019
114-MW41A	4/20/2018
114-MW42A	4/17/2018
114-MW43A	4/17/2018
114-MW44A	2/25/2019
114-PJA-MW101S	7/23/2020
114-P1B-MW101S	7/24/2020
114-P1B-MW102S	9/28/2020
114-P1B-MW103S	7/29/2020
114-P1B-MW104S	6/21/2016
114-P1C-MW101S	7/23/2020
114-P1C-MW102S	7/28/2020
114-P1C-MW103S	5/23/2017
114-P1C-MW104S	7/23/2020
114-P2A-MW101S	12/12/2016
114-P2A-MW102S	12/12/2016
114-P2A-MW103S	12/13/2016
114-P2A-MW104S	12/14/2016
114-P2B1-MW101S	6/20/2016
114-P2B1-MW102S	5/24/2017
114-P2B1-MW103S	6/23/2016
114-P2B2-MW101S	4/3/2020
114-P2B3-MW101S	6/22/2016
114-P2B3-MW102S	7/22/2020
114-P2B4-MW101S	6/21/2016
114-P2B4-MW102S	8/13/2020
114-P2B4-MW103S	6/22/2016
114-P2B4-MW2R	8/13/2020
132-MW2A	4/26/2018
132-P3A-MW102S	4/26/2018
132-P3A-MW103S	6/16/2016
132-P3A-MW104S	6/16/2016
132-P3A-MW2R	7/22/2020
132-P3A-MW3	4/24/2018
132-P3A-MW4	4/24/2018
133-MW1A	4/4/2014
133-MW3A	1/26/2012
133-MW6A	2/9/2018
133-P3C-MW101S	12/16/2016
133-P3C-MW102S	12/16/2016
135-MW1AR	5/1/2018
135-MW2A	4/23/2018
135-P3C-MW101S	3/1/2019
135-P3C-MW102S	3/1/2019
137-P3B-MW101S	7/22/2020
137-P3B-MW102S	3/17/2017
143-P3A-MW101S	7/21/2020
186-MW01	6/29/2011
186-MW02R	5/31/2018
P5-MW101S	7/22/2020
GPS-MW1S	11/13/2020
GPS-MW2S	11/13/2020
GPS-MW3S	11/11/2020
GPS-MW4S	11/11/2020
GPS-MW5S	11/13/2020
GPS-MW6S	11/13/2020
GPS-MW7S	11/13/2020
GPS-P22S	3/25/2019
GPS-P25S	3/25/2019
HSS-P3C-MW1S	7/28/2020
HSS-P3C-MW2S	12/15/2016
MW10S	4/26/2018
MW14S	7/20/2011
MW15S	3/31/2014
MW1C-3	12/17/2015
MW1C-4	12/17/2015
MW31A	4/3/2017
MW7S	4/30/2018
MW8S	4/27/2018
MW-CR-3	4/18/2018
MW-MORRISIA	3/31/2017

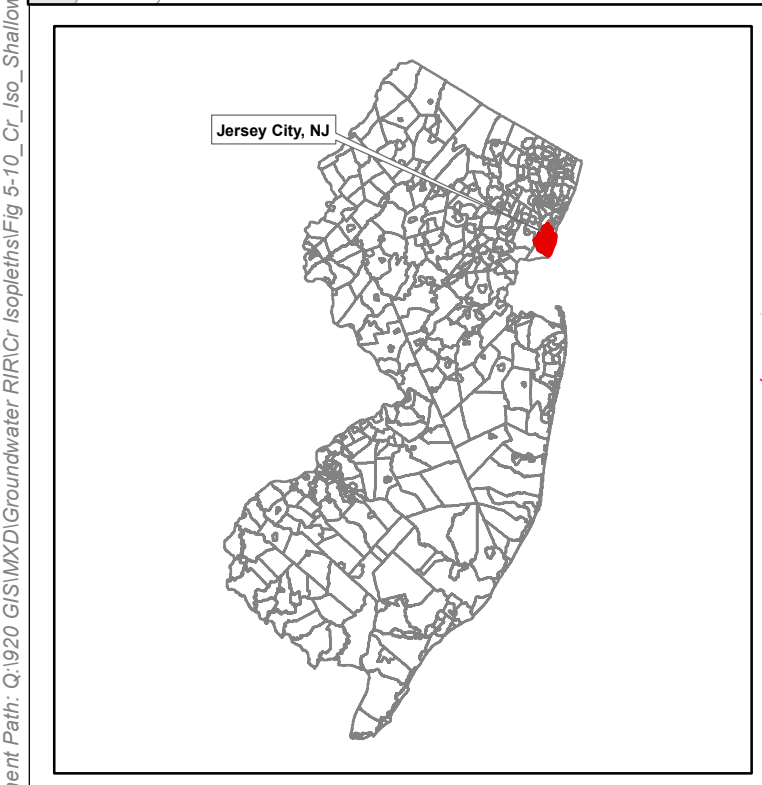


**Notes:**

- Data presented on this figure are from samples collected from monitoring wells between June 29, 2011 and November 13, 2020 for various groundwater programs, including but not limited to: groundwater RI (historical and recently completed), groundwater pilot testing and interim remedial measures on Site 114, capillary rise groundwater monitoring, and Site-Wide FerroBlack-H Permit-By-Rule (PBR) compliance monitoring.
- Data from samples collected from historical monitoring wells located in remediated areas (e.g., Site 114) are superseded by data from more recent sample collection programs that were implemented after the completion of soil remediation activities.
- All results presented are from the analysis of unfiltered groundwater samples.
- Chromium concentrations are presented in units of micrograms per liter (µg/L).
- Concentrations greater than the NJDEP GWQS for Cr (70 µg/L) are in bold font.

**Abbreviations:**

CCPW = Chromate Chemical Production Waste  
COPR = Chromate Ore Processing Residue  
Cr = total chromium  
Cr<sup>6+</sup> = hexavalent chromium  
ft = feet  
GWQS = Groundwater Quality Standard  
NJ = New Jersey  
NJDEP = New Jersey Department of Environmental Protection  
RI = Remedial Investigation  
ST = Street



**LEGEND**

- GARFIELD AVENUE GROUP BOUNDARY
- HUDSON COUNTY PARCELS
- FORMER MORRIS CANAL
- REMOVED SHEETPILE
- IN-PLACE SHEETPILE (AS OF JULY 2019)
- RAILROAD TRACKS
- TOTAL CHROMIUM ISOPLETH (µg/L)
- TOTAL CHROMIUM ISOPLETH (µg/L) - INFERRED
- APPROXIMATE EXTENT OF RESIDUAL SOURCE MATERIAL BASED ON VISUAL OBSERVATION OF CCPW OR COPR IN SOIL BORINGS OR DETECTION OF CR<sup>6+</sup> AT CONCENTRATIONS GREATER THAN 1,000 MILLIGRAMS PER KILOGRAM IN SOIL (AS OF APRIL 2020)
- INFERRED EXTENT OF RESIDUAL SOURCE MATERIAL WITHIN THE FORMER MORRIS CANAL
- SHALLOW MONITORING WELL (Cr < GWQS)
- SHALLOW MONITORING WELL (Cr > GWQS)
- SUMPS

**Map Notes:**

- New Jersey State Plane North American Datum 1983 Coordinates (NAD83), U.S. Survey Feet.
- Parcels of Hudson County, New Jersey State Plane NAD83, Hudson County Department of Planning, Jersey City, New Jersey, May 21, 2013.

**Label:**  
135-MW1AR 13 ft. 19.5  
Well ID  
Sample Depth: Cr Concentration (µg/L)

**Scale:** 0 100 200 Feet

**PPG GARFIELD AVENUE GROUP**  
JERSEY CITY, NEW JERSEY  
60550261

**FIGURE 5-10**  
DISTRIBUTION OF TOTAL CHROMIUM  
IN THE SHALLOW WATER-BEARING ZONE

**AECOM**

DATE: 2021-08-11    DRAWN BY: SR    CHECKED BY: FS