



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

Notes:
 1. Data presented on this figure are from samples collected from monitoring wells between September 9, 2005 and September 2, 2020, for various groundwater programs, including but not limited to: groundwater RI (historical and recently completed), groundwater pilot testing and interim remedial measures (IRM) on Site 114, capillary rise groundwater monitoring, and Site-Wide FerroBlack-H Permit-By-Rule (PBR) compliance monitoring.
 2. Phase I IRM wells 114-P1-IRM-36D and 114-P1-MW-2D, as well as Phase I and II IRM wells in the southeast corner of Site 114 are considered to be in the intermediate zone based on observed geology in these areas. Therefore, these wells are classified as intermediate zone wells and are included in this intermediate water-bearing zone isopleth map.
 3. All results presented are from the analysis of unfiltered groundwater samples.
 4. Chromium concentrations are presented in units of micrograms per liter (µg/L).
 5. Concentrations greater than the NJDEP GWQS for Cr (70 µg/L) are in bold font.
 6. Sample dates are presented on the next page.
Abbreviations:
 Cr = total 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
- RAILROAD TRACKS
- REMOVED SHEETPILE
- IN-PLACE SHEETPILE
- 70 — TOTAL CHROMIUM ISOPLETH (µg/L)
- - - 70 - - - TOTAL CHROMIUM ISOPLETH (µg/L) - INFERRED
- + INTERMEDIATE MONITORING WELL LOCATION (Cr < GWQS)
- + INTERMEDIATE MONITORING WELL LOCATION (Cr > GWQS)
- DECOMMISSIONED/ABANDONED/ INACTIVE WELLS

Label:
 135-MW1B
 31 ft. 9.9

Well ID:
 MW1B
 Sample Depth: Cr Concentration (µg/L)



PPG GARFIELD AVENUE GROUP JERSEY CITY, NEW JERSEY 60550261

FIGURE 5-11 DISTRIBUTION OF TOTAL CHROMIUM IN THE INTERMEDIATE WATER-BEARING ZONE
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DATE: 2021-08-11 DRAWN BY: SR CHECKED BY: FS

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Figure 5-11
 Distribution of Total Chromium in the Intermediate Water-Bearing Zone
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Well ID	Sample Date
10W-MW105I	2018-03-12
114-MC-EW103	2016-06-23
114-MC-PZ103	2019-04-29
114-MC-PZ203	2019-05-02
114-MW14B	2017-12-19
114-MW17B	2018-04-18
114-MW19B	2018-05-01
114-MW20B	2018-04-19
114-MW21B	2011-06-14
114-MW22B	2018-04-19
114-MW22BR	2020-07-20
114-MW23B	2012-02-20
114-MW24B	2020-03-30
114-MW25B	2017-09-28
114-MW26B	2018-03-13
114-MW27B	2020-04-01
114-MW2B1-2I	2020-03-30
114-MW36B	2020-04-02
114-MW37B	2019-02-26
114-MW38B	2017-12-04
114-MW39B	2018-02-12
114-MW40B	2018-04-27
114-MW41B	2018-04-20
114-P1A-MW101I	2020-07-23
114-P1B-MW101I	2020-07-24
114-P1B-MW102I	2019-05-02
114-P1C-EW1	2015-06-18
114-P1C-MW101I	2019-04-29
114-P1C-PZ1	2019-03-25
114-P1C-PZ2	2019-03-26
114-P1-IRM-1	2018-01-16
114-P1-IRM-10I	2018-10-29
114-P1-IRM-11	2019-05-03
114-P1-IRM-12	2019-03-29
114-P1-IRM-13	2018-01-16
114-P1-IRM-14	2018-01-16
114-P1-IRM-15	2018-01-22
114-P1-IRM-16	2018-01-16
114-P1-IRM-17	2018-01-22
114-P1-IRM-18I	2018-01-18
114-P1-IRM-19I	2018-01-17
114-P1-IRM-2	2018-01-16
114-P1-IRM-20I	2018-01-17
114-P1-IRM-21I	2018-01-18
114-P1-IRM-22I	2018-01-18
114-P1-IRM-23D	2018-01-24
114-P1-IRM-24I	2018-01-18
114-P1-IRM-25I	2018-01-18
114-P1-IRM-26I	2018-01-18
114-P1-IRM-27I	2018-09-25
114-P1-IRM-28I	2018-11-26
114-P1-IRM-29I	2018-11-26
114-P1-IRM-3	2018-01-24
114-P1-IRM-30I	2018-01-22
114-P1-IRM-31I	2018-01-19
114-P1-IRM-32I	2018-01-22
114-P1-IRM-33I	2019-05-03
114-P1-IRM-34I	2019-05-03
114-P1-IRM-35I	2018-01-22
114-P1-IRM-36D	2019-05-03

Well ID	Sample Date
114-P1-IRM-36I	2018-11-26
114-P1-IRM-37I	2019-04-30
114-P1-IRM-38	2018-11-26
114-P1-IRM-39	2018-11-26
114-P1-IRM-40I	2019-05-03
114-P1-IRM-41I	2018-11-28
114-P1-IRM-42I	2019-05-01
114-P1-IRM-4I	2018-01-24
114-P1-IRM-5I	2018-01-23
114-P1-IRM-6	2018-01-16
114-P1-IRM-7	2018-01-24
114-P1-IRM-8	2018-10-29
114-P1-IRM-9	2018-10-29
114-P1-MW-1I	2019-04-29
114-P1-MW-2D	2019-04-29
114-P1-MW-2I	2020-07-27
114-P1-MW-3I	2019-04-30
114-P1-MW-4I	2019-04-29
114-P1-MW-5I	2019-04-30
114-P1-MW-6I	2019-05-02
114-P1-MW-7I	2019-04-30
114-P2A-MW101I	2019-04-29
114-P2A-MW102I	2020-04-03
114-P2A-MW103I	2016-12-14
114-P2A-MW104I	2016-12-19
114-P2B1-MW101I	2019-05-01
114-P2B2-MW101I	2020-07-27
114-P2B3-MW101I	2019-05-02
114-P2B4-MW101I	2018-06-04
114-P2B4-MW102I	2018-06-04
114-P2B4-MW103I	2019-04-30
114-P2-IRM-10I	2020-03-18
114-P2-IRM-11I	2020-03-18
114-P2-IRM-12I	2020-03-25
114-P2-IRM-13I	2020-03-18
114-P2-IRM-14I	2020-03-17
114-P2-IRM-15I	2020-03-17
114-P2-IRM-16I	2020-03-19
114-P2-IRM-17I	2020-03-19
114-P2-IRM-18I	2020-03-19
114-P2-IRM-19I	2020-03-27
114-P2-IRM-1I	2020-03-20
114-P2-IRM-20D	2020-03-23
114-P2-IRM-20I	2020-03-23
114-P2-IRM-21D	2020-03-23
114-P2-IRM-21I	2020-03-23
114-P2-IRM-22D	2020-03-23
114-P2-IRM-22I	2020-03-26
114-P2-IRM-23D	2020-03-27
114-P2-IRM-23I	2020-03-26
114-P2-IRM-24D	2020-03-27
114-P2-IRM-24I	2020-03-27
114-P2-IRM-25I	2020-03-27
114-P2-IRM-26I	2020-03-25
114-P2-IRM-27D	2020-03-23
114-P2-IRM-28D	2020-03-23
114-P2-IRM-29D	2020-03-27
114-P2-IRM-2I	2020-03-20
114-P2-IRM-30D	2020-03-27
114-P2-IRM-31D	2020-03-27

Well ID	Sample Date
114-P2-IRM-34I	2020-03-20
114-P2-IRM-35I	2020-03-20
114-P2-IRM-36I	2020-03-20
114-P2-IRM-37I	2020-03-25
114-P2-IRM-38I	2020-03-24
114-P2-IRM-39I	2020-03-20
114-P2-IRM-3I	2020-03-24
114-P2-IRM-40I	2020-03-19
114-P2-IRM-41I	2020-03-26
114-P2-IRM-42I	2020-03-19
114-P2-IRM-43I	2020-03-19
114-P2-IRM-43D	2020-03-19
114-P2-IRM-44I	2020-03-19
114-P2-IRM-45I	2020-03-19
114-P2-IRM-46I	2020-03-18
114-P2-IRM-47I	2020-03-19
114-P2-IRM-48I	2020-03-19
114-P2-IRM-49I	2020-03-18
114-P2-IRM-4I	2020-03-24
114-P2-IRM-50I	2020-03-20
114-P2-IRM-51I	2020-03-17
114-P2-IRM-52I	2020-03-24
114-P2-IRM-53I	2020-03-25
114-P2-IRM-54D	2020-03-23
114-P2-IRM-54I	2020-03-23
114-P2-IRM-55D	2020-03-23
114-P2-IRM-55I	2020-03-23
114-P2-IRM-56D	2020-03-27
114-P2-IRM-56I	2020-03-27
114-P2-IRM-57D	2020-03-27
114-P2-IRM-57I	2020-03-25
114-P2-IRM-58I	2020-03-24
114-P2-IRM-58D	2020-03-24
114-P2-IRM-59D	2020-03-24
114-P2-IRM-59I	2020-03-24
114-P2-IRM-5I	2020-03-24
114-P2-IRM-60I	2020-03-25
114-P2-IRM-61D	2020-03-23
114-P2-IRM-62D	2020-03-23
114-P2-IRM-63D	2020-03-23
114-P2-IRM-64D	2020-03-27
114-P2-IRM-65D	2020-03-27
114-P2-IRM-66D	2020-03-24
114-P2-IRM-67I	2020-03-20
114-P2-IRM-68I	2020-03-25
114-P2-IRM-69I	2020-03-25
114-P2-IRM-6I	2020-03-19
114-P2-IRM-70I	2020-03-24
114-P2-IRM-71I	2020-03-25
114-P2-IRM-72I	2020-03-25
114-P2-IRM-73I	2020-03-25
114-P2-IRM-74I	2020-03-25
114-P2-IRM-75I	2020-03-26
114-P2-IRM-76I	2020-03-25
114-P2-IRM-77I	2020-03-25
114-P2-IRM-78I	2020-03-19
114-P2-IRM-79I	2020-03-24
114-P2-IRM-7I	2020-03-19
114-P2-IRM-80I	2020-03-24
114-P2-IRM-81I	2020-03-18

Well ID	Sample Date
114-P2-IRM-82I	2020-03-18
114-P2-IRM-83I	2020-03-25
114-P2-IRM-84I	2020-03-20
114-P2-IRM-85I	2020-03-25
114-P2-IRM-86I	2020-03-25
114-P2-IRM-87I	2020-03-26
114-P2-IRM-88I	2020-03-24
114-P2-IRM-89I	2020-03-26
114-P2-IRM-8I	2020-03-19
114-P2-IRM-90I	2020-03-26
114-P2-IRM-91I	2020-03-26
114-P2-IRM-92I	2020-03-26
114-P2-IRM-93I	2020-03-26
114-P2-IRM-94I	2020-03-26
114-P2-IRM-95D	2020-03-20
114-P2-IRM-95I	2020-03-20
114-P2-IRM-96D	2020-03-24
114-P2-IRM-96I	2020-03-26
114-P2-IRM-97D	2020-03-20
114-P2-IRM-97I	2020-03-20
114-P2-IRM-98D	2020-03-24
114-P2-IRM-98I	2020-03-24
114-P2-IRM-9I	2020-03-19
114-P2-MW-11D	2020-03-23
114-P2-MW-11I	2020-03-23
114-P2-MW-1I	2020-03-20
114-P2-MW-2I	2020-03-19
114-P2-MW-3I	2020-03-19
114-P2-MW-4I	2020-03-20
114-P2-MW-5I	2020-03-25
114-P2-MW-6I	2020-03-17
114-P2-MW-7I	2020-03-26
114-P2-MW-8I	2020-03-20
114-P2-MW-9I	2020-03-24
132-MW2B	2011-06-17
132-P3A-MW102I	2016-06-17
132-P3A-MW103I	2016-06-16
132-P3A-MW104I	2016-06-16
132-P3A-MW105I	2018-02-08
133-MW1B	2014-04-04
133-MW2B	2011-06-20
133-P3C-MW101I	2016-12-15
133-P3C-MW102I	2016-12-16
135-MW1B	2018-05-01
135-MW2B	2018-04-25
135-MW3B	2014-02-28
135-MW3BR	2018-05-01
137-MW1B	2014-04-01
137-MW2B	2011-06-29
137-MW4B	2014-03-06
137-P3B-MW101I	2016-06-24
137-P3B-MW102I	2016-06-15
143-P3A-MW101I	2020-07-21
GPS-EW1I	2016-10-06
GPS-EW2I	2016-10-06
GPS-IW10I	2014-01-02
GPS-IW12I	2016-10-06
GPS-IW1I	2015-04-08
GPS-IW2I	2015-04-08
GPS-IW3I	2016-10-06

Well ID	Sample Date
GPS-IW4I	2016-10-06
GPS-IW6I	2016-10-06
GPS-IW9I	2016-10-06
GPS-MW1I	2013-05-29
GPS-MW2I	2019-05-01
GPS-MW3I	2019-05-02
GPS-MW4I	2015-04-07
GPS-MW5I	2019-05-01
GPS-MW6I	2019-04-30
GPS-MW7I	2016-10-06
GPS-PZ1I	2015-04-08
GPS-PZ2I	2015-04-08
GPS-PZ3I	2015-04-08
GPS-PZ4I	2015-04-08
GPS-PZ5I	2015-04-08
MW11B	2011-06-27
MW12B	2011-06-23
MW13B	2011-06-30
MW14D	2011-07-20
MW15D	2014-03-31
MW1B	2011-06-28
MW1D	2011-06-24
MW2B	2005-09-09
MW2D	2011-06-30
MW3B	2011-06-27
MW3D	2012-02-20
MW4B	2011-06-15
MW4D	2011-06-21
MW5B	2011-06-28
MW6B	2005-09-09
MW6D	2012-02-20
MW7B	2011-06-29
MW7D	2018-04-23
MW8B	2011-06-27
MW8D	2018-04-25
MW9B	2011-06-30
MW9D	2014-04-03