

**Table 3-4
Groundwater Elevation Data - August 2020 and February 2021
Groundwater Remedial Investigation Report
Garfield Avenue Group Sites
PPG, Jersey City, New Jersey**

Well ID	Screened Zone	Screen Reference	Top of Screen (feet below reference)	Bottom of Screen (feet below reference)	Top of Screen Elevation (feet)	Bottom of Screen Elevation (feet)	Screen Midpoint Elevation (feet)	Screen Reference Elevation (feet)	Water Level Reference Point	Water Level Reference Point Elevation ¹ (feet) (Riser or Inner Casing)	Groundwater Gauging Data		Is Screen Saturated?	Saturated Screen Midpoint Elevation (feet)	Distance Between Saturated Screen Midpoints (feet)	Vertical Hydraulic Gradient ²	Vertical Groundwater Flow Direction
											DTW (feet btc)	Groundwater Elevation (feet)					
August 21, 2020																	
114-MW45C	Basal Till	Ground Surface	67	71	-55.50	-59.50	-57.50	11.50	Top of PVC	13.22	5.50	7.72	Y	-57.50	28.35	0.1753	BR to Basal Till
114-MW6D	BR (open borehole)	Top of Casing	86	111	-73.35	-98.35	-85.85	12.65	Top of Casing	12.69	0.00	12.69	Y	-85.85	-	-	Artesian Flow
114-MW54C	Basal Till	Ground Surface	72	77	-61.20	-66.20	-63.70	10.80	Top of PVC	12.71	5.70	7.01	Y	-63.70	11.38	0.0703	BR to Basal Till
114-MW7D	BR	Top of Casing	85	90	-72.58	-77.58	-75.08	12.42	Top of PVC	11.92	4.11	7.81	Y	-75.08	-	-	-
114-MW48C	Basal Till	Ground Surface	53	57	-38.00	-42.00	-40.00	15.00	Top of PVC	16.20	8.21	7.99	-	-	-	-	-
114-MW49C	Basal Till	Ground Surface	64.5	69.5	-49.90	-54.90	-52.40	14.60	Top of PVC	16.52	8.80	7.72	-	-	-	-	-
114-MW50C	Basal Till	Ground Surface	57	62	-43.60	-48.60	-46.10	13.40	Top of PVC	15.36	7.13	8.23	-	-	-	-	-
114-MW51C	Basal Till	Ground Surface	71.5	76.5	-59.30	-64.30	-61.80	12.20	Top of PVC	14.13	7.45	6.68	-	-	-	-	-
114-MW52C	Basal Till	Ground Surface	68	73	-54.00	-59.00	-56.50	14.00	Top of PVC	15.85	8.35	7.50	-	-	-	-	-
114-MW56C	Basal Till	Ground Surface	67	72	-53.00	-58.00	-55.50	14.00	Top of PVC	16.04	8.81	7.23	-	-	-	-	-
114-MW59C	Basal Till	Ground Surface	89.5	92.5	-77.40	-80.40	-78.90	12.10	Top of PVC	14.07	7.61	6.46	-	-	-	-	-
114-MW63C	Basal Till	Ground Surface	63.75	65.75	-48.25	-50.25	-49.25	15.50	Top of PVC	17.68	9.99	7.69	-	-	-	-	-
114-MW65C	Basal Till	Ground Surface	60	65	-47.60	-52.60	-50.10	12.40	Top of PVC	14.20	6.57	7.63	-	-	-	-	-
114-MW58C	Basal Till/Weathered BR	Ground Surface	72.5	76	-61.30	-64.80	-63.05	11.20	Top of PVC	12.51	2.96	9.55	-	-	-	-	-
114-MW61C	Basal Till/Weathered BR	Ground Surface	62.5	67.5	-48.50	-53.50	-51.00	14.00	Top of PVC	16.67	9.50	7.17	-	-	-	-	-
114-MW62C	Basal Till/Weathered BR	Ground Surface	69	73	-56.00	-60.00	-58.00	13.00	Top of PVC	15.04	7.09	7.95	-	-	-	-	-
114-MW53C	Weathered BR	Ground Surface	46	47.5	-32.10	-33.60	-32.85	13.90	Top of PVC	15.08	7.64	7.44	-	-	-	-	-
114-MW55C	Weathered BR	Ground Surface	68	69	-56.90	-57.90	-57.40	11.10	Top of PVC	13.23	5.75	7.48	-	-	-	-	-
114-MW57C	Weathered BR	Ground Surface	68.5	70	-55.60	-57.10	-56.35	12.90	Top of PVC	14.55	7.49	7.06	-	-	-	-	-
114-MW60C	Weathered BR	Ground Surface	119.5	121.5	-108.50	-110.50	-109.50	11.00	Top of PVC	12.87	7.43	5.44	-	-	-	-	-
114-MW64C	Weathered BR	Ground Surface	93	96	-82.20	-85.20	-83.70	10.80	Top of PVC	12.30	6.32	5.98	-	-	-	-	-
114-MW4D	BR (open borehole)	Top of Casing	87	107	-74.03	-94.03	-84.03	12.97	Top of Casing	12.97	6.02	6.95	-	-	-	-	-
114-MW16B	BR	Top of Casing	30.5	55.5	-14.97	-39.97	-27.47	15.53	Top of PVC	15.53	1.05	14.48	-	-	-	-	-
February 8, 2021																	
114-MW45C	Basal Till	Ground Surface	67	71	-55.50	-59.50	-57.50	11.50	Top of PVC	13.22	5.68	7.54	Y	-57.50	28.35	0.0155	BR to Basal Till
114-MW6D	BR (open borehole)	Top of Casing	86	111	-73.35	-98.35	-85.85	12.65	Top of Casing	12.69	4.71	7.98	Y	-85.85	-	-	-
114-MW52C	Basal Till	Ground Surface	68	73	-54.00	-59.00	-56.50	14.00	Top of PVC	15.85	9.88	5.97	Y	-56.50	22.10	0.1701	BR to Basal Till
114-MW52D	BR (open borehole)	Ground Surface	80	105	-66.10	-91.10	-78.60	13.90	Top of Casing	15.64	5.91	9.73	Y	-78.60	-	-	-
114-MW61C	Basal Till/Weathered BR	Ground Surface	62.5	67.5	-48.50	-53.50	-51.00	14.00	Top of PVC	16.67	9.63	7.04	Y	-51.00	31.60	-0.0092	Basal Till/Weathered BR to BR
114-MW61D	BR (open borehole)	Ground Surface	85	109	-70.60	-94.60	-82.60	14.40	Top of Casing	16.59	9.84	6.75	Y	-82.60	-	-	-
114-MW57C	Weathered BR	Ground Surface	68.5	70	-55.60	-57.10	-56.35	12.90	Top of PVC	14.55	8.42	6.13	Y	-56.35	29.70	-0.0145	Weathered BR to BR
114-MW57D	BR (open borehole)	Ground Surface	85	112.5	-72.30	-99.80	-86.05	12.70	Top of Casing	14.70	9.00	5.70	Y	-86.05	-	-	-
114-MW54C	Basal Till	Ground Surface	72	77	-61.20	-66.20	-63.70	10.80	Top of PVC	12.71	6.41	6.30	Y	-63.70	11.38	0.0589	BR to Basal Till
114-MW7D	BR	Top of Casing	85	90	-72.58	-77.58	-75.08	12.42	Top of PVC	11.92	4.95	6.97	Y	-75.08	-	-	-

Notes:

¹Reference elevation at time of water level gauging.
²Negative value indicates downward vertical groundwater flow direction.
 Vertical Elevation Datum = feet in the North American Vertical Datum of 1988 (NAVD88).
 - = Not Applicable
 BR = Bedrock
 btc = Below top of casing
 DTW = Depth to Groundwater
 PVC = polyvinyl chloride
 Y = Yes