

Table 1-1. Record of wells and test holes in the Susquehanna River valley-fill aquifer system, southwestern Broome County, New York.

[Altitude is distance above North American Vertical Datum of 1988. USGS, U.S. Geological Survey; NWIS, National Water Information System; °, degrees; ', minutes; ", seconds; NAD 83, North American Datum of 1983; ft, feet; in., inches; gal/min, gallons per minute; ---, no data; avg, average; <, less than; ~, approximately. Remarks/Log data--Particle size: f, fine; m, medium; c, coarse; v, very]

Current USGS well number (fig. 2)	Other site names		Site identification number in USGS NWIS database	Date drilled	Latitude* (NAD 83)	Longitude* (NAD 83)	Well depth (ft)	Depth of casing (ft or screen if so stated)	Casing dia- meter (in.)	Land surface altitude (ft)	Aquifer type	Water level below land surface (ft)
	Name and (or) number used by well owner or in source reports	Well number on maps in Randall (1972)										
BM 27	---	57-26	420357076062601	1939	42° 3' 57.2688" N	76° 6' 24.735" W	175	164	5	855	Bedrock	49
BM 29	---	01-18	420401076061801	1958	42° 4' 1.269" N	76° 6' 16.734" W	205	205	---	840	Gravel	---
BM 40	---	---	420440076060001	1943	42° 4' 40.269" N	76° 5' 58.733" W	59	49	6	820	Gravel	27
BM 42	---	42-20	420442076052001	1955	42° 4' 42.422" N	76° 5' 18.764" W	111	Screen 96-111	12	820	Gravel	19
BM 43	---	57-54	420457076035401	1945	42° 4' 57.269" N	76° 3' 52.728" W	109	---	---	840	----	---
BM 44	Ranney TH 4	57-49	420457076044901	1947	42° 4' 57.269" N	76° 4' 47.731" W	98	95	6	805	Sand and gravel	---
BM 48	Ranney TH 3	02-03	420502076050301	1947	42° 5' 2.269" N	76° 5' 1.731" W	98	93	6	808	Sand and gravel	6
BM 50	Ranney Well	04-50	420504076045001	1948	42° 5' 5.365" N	76° 4' 47.911" W	96	71	150	810	Sand and gravel	17
BM 51	Kelly Well	05-50	420505076045002	1947	42° 5' 5.82" N	76° 4' 48.80" W	101	54	17	811	Sand and gravel	36
BM 52	---	05-39	420505076053901	1957	42° 5' 5.269" N	76° 5' 37.734" W	154	154	5	825	---	---
BM 53	---	08-19	420508076051901	1964	42° 5' 8.268" N	76° 5' 17.732" W	35	33	720	805	Sand and gravel	3
BM 54	Vestal TH 1-10	12-39	420512076033901	1965	42° 5' 15.31" N	76° 3' 35.81" W	148	148	6	825	---	---
BM 55	---	12-42	420512076034201	1965	42° 5' 12.279" N	76° 3' 40.747" W	148	---	6	825	Sand and gravel	11
BM 56	---	12-45	420512076034501	1965	42° 5' 12.302" N	76° 3' 43.788" W	162	---	6	815	Bedrock	14
BM 57	Vestal TH 1-13	14-41	420514076034101	1965	42° 5' 16.66" N	76° 3' 38.91" W	178	175	6	825	Bedrock	---
BM 61	Vestal 1-2	18-37	420518076033701	1965	42° 5' 18" N	76° 3' 37" W	153	---	6	823	Sand and gravel	23
BM 62	Vestal TH 1-14	19-40	420519076034001	1965	42° 5' 19.194" N	76° 3' 38.789" W	163	163	6	812	Sand silt	19
BM 63	Vestal 1-3	19-40	420519076034002	11/1965	42° 5' 18.980" N	76° 3' 38.300" W	119	Screen 69-119	16	820	Sand and gravel	18
BM 73	Vestal 1-1	25-22	420525076032201	1951	42° 5' 25.269" N	76° 3' 20.727" W	132	102	12	832	Sand and gravel	---
BM 88	South St. #4	38-13	420538076031301	1935	42° 5' 38.992" N	76° 3' 12.023" W	155	155	12	815	Gravel	---
BM 89	South St. Well #5	39-10	420539076031001	1934	42° 5' 39.94" N	76° 3' 8.64" W	157	157	18	808	Gravel	---

Current USGS well number (fig. 2)	Water level altitude (ft)	Date water level measured	Depth to bedrock (ft)	Altitude top of bedrock (ft)	Reported yield (gal/min)	Driller	Source of information
BM 27	806	5/1965	164	691	20	Stephens	Owner's memory
BM 29	---	---	205	635	10	C.J. Martin	Driller's records (depth, casing); memory of driller and owner
BM 40	793	7/1945	---	<769	---	George Thomas	USGS measurements (BM83 in Brown and Ferris (1946)
BM 42	801	7/1955	---	<705	900	Stewart Brothers	Driller's report
BM 43	---	---	105	735	---	Leon Swan	Driller's report (BM 81 in Brown and Ferris, 1946)
BM 44	805	2/1947	---	<707	---	Ranney Water Collector Corp.	Driller's report, USGS sample study
BM 48	802	2/1947	---	<710	---	Ranney Water Collector Corp.	Driller's report
BM 50	793	2/1948	120	690	10,500	Ranney Water Collector Corp.	Report by driller and Ranney Corp.
BM 51	775	10/1966	---	<710	810	Kelly Well Co. (well) Rinbrand Well Drilling (log)	Drillers' reports; USGS measurement
BM 52	---	---	---	<671	5	Garringer Well Drilling	Driller's records
BM 53	802	05/18/64	---	<733	5,000	Moretrench Co. (Log from Empire Soils)	Engineering plans; driller's report
BM 54	---	---	148	677	---	Stewart Brothers	Driller's report; USGS sample study
BM 55	814	1965	143	682	---	Stewart Brothers	Driller's report, USGS Sample study
BM 56	801	1965	161	654	---	Stewart Brothers	Driller's report, USGS Sample study
BM 57	---	---	175	650	---	Stewart Brothers	Driller's report; USGS sample study
BM 61	800	8/1/1959	---	---	---	Stewart Brothers	Drillers report
BM 62	793	---	---	<649	---	Stewart Brothers	Driller's report; USGS sample study
BM 63	802	11/15/1965	>120	<700	1,521	Stewart Brothers	Driller's report
BM 73	---	---	---	---	1,500	Long Island Water Supply Co.	Town Engineer files
BM 88	---	---	---	<663	1,200	James Cline & Sons	Driller's memory. (BM 72 in Brown and Ferris, 1946)
BM 89	---	---	---	<651	3,000	James Cline & Sons	Driller's memory

Current USGS well number (fig. 2)	Remarks/Log data
BM 27	0-13 ft Gravel, 13-113 Blue clay and quicksand, 113-164 Gravel?, 164-175 rock.
BM 29	0-20 ft Gravel; 20-203 Quicksand; 203-206 Gravel; 206-320 bedrock. Salt water and gas at 300 ft, cemented back to 205 ft.
BM 40	
BM 42	0-1 ft Topsoil; 1-20 Yellow Clay; 20-45 Blue-gray Clay; 45-65 clayey Sand; 65--85 clayey Gravel, some water; 85-111 water-bearing Gravel; 111-125 clayey Gravel.
BM 43	0-10 ft Fill; 10-25 Clay, Sand, and Gravel; 25-36 Yellow Clay and gravel; 36-46 f. to c. Gravel, water bearing; 46-51 f. to m. gravel water bearing; 51-56 c. Gravel and stones, water-bearing; 56-61 Brown Clay with sand, hard; 61-71 f. Sand, dirty; 71-105 gray-blue Clay with gravel (hard 78-105); 105-109 Blue Shale.
BM 44	0-3 ft Water; 3-15 Brown sandy Clay; 15-42 Gravel (pebbles & cobbles) and sand; 42-44 gray c. Sand, with clay lumps; 44-74 gray-brown f. Sand; 74-98 gray pebble gravel and c. Sand. Detailed log in Randall (1972).
BM 48	0-3 ft Topsoil; 3-20 sandy Clay; 20-24 Cobbles and clay; 24-40 silty Sand with clay lumps, a few cobbles; 40-47 gray m. Sand some gravel; 47-52 Cobbles; 52-65 Sand with cobbles grading to gray f. sand with pea gravel; 65-96 gray m. Sand with a little silt and gravel; 96-97 sand and gravel over clay or shale.
BM 50	Ranney "Water Collector": a large, 18-ft diameter caisson with 4 tiers of screened horizontal pipes extending outward. No log.
BM 51	0-10 ft Clay and sand; 10-20 c. Gravel; 20-60 f. Sand and gravel; 60-71 c. Gravel and water; 71-89 c. Gravel and boulders; 89-93 c. Sand and clay; 93-100 Gravel, plentiful water near bottom. Log is from test well drilled 7/1941, 25 ft east of this well.
BM 52	No log.
BM 53	Gang of 191 wells in concentric rectangles, inner diameter 60 ft, pumped 110 days. Log of test boring H-31 at this site: 0-8 ft gray-brown Silt and f. to m. Sand, gravelly at depth; 8-27 gray-brown sandy Gravel, firm, trace silt; 27-54 gray-brown sandy Gravel, some silt; 54-69 Brown to gray f.-m. Sand little silt, firm; 69-72 Red-gray f. to m. Sand, little gravel some silt, compact.
BM 54	0-20 ft Brown silt; 20-140 gray sandy Clay; 140-148 gray hardpan, 148 Rock (Samples analyzed by A.D. Randall: 90-100 ft vf. Sand and silt; 110-115 Silt with some vf. to m. sand; 125-135 m. to vf. silty Sand; 140-148 m. to vc. silty Sand, pebbly - may be till?).
BM 55	0-30 ft Gravel and c.-vc. Sand, silty; 30-68 Silt & vf. Sand; 68-85 Silt, thin beds red clay, vf. Sand; 85-95 Silt & vf. Sand; 95-102 c.-vf. Sand; 102-107 f. Gravel & c. Sand, silty (top) to clean; 107-117 c. Sand & f. Gravel, silty; 117-119 Silt; 119-135 m.-c. Sand, some to no silt; 135-143 silty Sand with pebbles; 143-148 shale.
BM 56	0-25 ft Brown m.-c. silty Sand, some pebbles and cobbles; 25-70 gray Silt; 70-104 gray m.-vc. Sand, mostly silty; 104-141 gray f.-vc. Sand, mostly clean to 121, silty below, sand grains mostly shale; 141-161 gray silty Till; 161-162 dark gray Shale bedrock.
BM 57	0-10 ft Brown Silt; 10-30 Brown Silt with m. Gravel and moderately bright sand; 30-94 Gray Silt with thin red clay layers; 94-128 Gray silt with compact sandy silt layers; 128-175 Till; 175-178 bedrock.
BM 61	0-65 ft Non-water-bearing strata; 65-100 Dirty, clayey Sand and Gravel, some water, 100-135 Sand and Gravel, water-bearing; 153-160 Clay, f. sand, silt.
BM 62	0-28 ft Brown Silt, a little vf. Sand and clay; 28-35 Brown Gravel and c Sand, some silt, bright; 35-67 f.-c. Sand, bright; 67-78 Gravel, some m.-c. Sand, clean, drab; 78-90 f.-c. Sand, few pebbles; 90-98 Gravel, some m.-c. Sand; 98-102 f.-vc. Sand; 102-114 Gravel, some f.-vc. Sand; 114-118 f.-vc. Sand, some Gravel; 118-145 gray Silt, thin red clay beds near top; 145-163 Till? or very silty pebbly sand.
BM 63	0-10 ft Clay; 10-15 clayey sand; 15-20 clay; 20-25 Silty sand; 25-60 sand, fine gravel, and clay; 60-68 coarse sand, fine gravel, some clay; 68-119 water-bearing sand and gravel; 119-120 clay-sand-silt
BM 73	No log. Pumped to waste 1980 through 2014.
BM 88	Log in Brown & Ferris (1946) may be incorrect. Three similar wells (Endicott South St. 1,2,3) between BM 88 and BM 89.
BM 89	Ends in coarse gravel. Large stones blown out during development.

Current USGS well number (fig. 2)	Other site names		Site identification number in USGS NWIS database	Date drilled	Latitude* (NAD 83)	Longitude* (NAD 83)	Well depth (ft)	Depth of casing (ft or screen if so stated)	Casing dia- meter (in.)	Land surface altitude (ft)	Aquifer type	Water level below land surface (ft)
	Name and (or) number used by well owner or in source reports	Well number on maps in Randall (1972)										
BM 90	South St. #28 "Park Well"	40-07	420540076030701	1942	42° 5' 40.0" N	76° 3' 6.07" W	145	145	17	807	Sand and gravel	---
BM 91	South St. #6	40-12	420540076031201	1912	42° 5' 40.31" N	76° 3' 9.77" W	154	154	6	809	Sand	---
BM 95	"Stable Well"	48-42	420548076024201	1944	42° 5' 48.269" N	76° 2' 40.726" W	90	slots 34-90 ft	25	819	Sand	27.4
BM 103	---	51-22	420551076042201	1942	42° 5' 51.270" N	76° 4' 20.730" W	155	---	8	825	Clay	40
BM 111	---	58-50	420558076045001	1934	42° 5' 58.268" N	76° 4' 48.731" W	180	slots 176-180 ft	18	820	Sand and gravel	23
BM 122	---	00-12	420600076021201	1934	42° 6' 0.269" N	76° 2' 10.724" W	181	---	12	830	Sand	45
BM 127	---	01-55	420601076045501	1960	42° 6' 1.267" N	76° 4' 53.731" W	128	128	6	813	Sand and gravel	13
BM 137	---	05-53	420605076045301	1967	42° 6' 5.270" N	76° 4' 51.730" W	74	---	6	812	Sand and gravel	---
BM 141	---	11-44	420611076025401	1961	42° 6' 11.45" N	76° 2' 55.66" W	115	111	6	846	Bedrock	33
BM 148	---	16-42	420616076024201	1963	42° 6' 16.268" N	76° 2' 40.726" W	260	---	6	849	Bedrock	41
BM 151	---	18-37	420618076023701	1934	42° 06' 19.28" N	76° 02' 35.38" N	150	---	8	846	Shale	23
BM 450	---	01-58	420601076045801	1967	42° 6' 1.267" N	76° 4' 56.730" W	105	Screen 95-105	6	815	Sand and gravel	6
BM 463	Ranney TH 1	---	420503076045001	1946	42° 5' 3.269" N	76° 4' 48.731" W	99	Slots 94-99	6	810	Gravel	6
BM 466	Mercerau Park Well	---	420527076034401	12/1980	42° 5' 27.618" N	76° 3' 45.387" W	120.5	Screen 110- 120	6	822	Sand and gravel	---
BM 476	---	---	420434076061701	10/31/1980	42° 4' 34.093" N	76° 6' 15.695" W	66	--	--	814	---	---
BM 479	EN-71	---	420625076030801	7/16/1980	42° 6' 24.634" N	76° 3' 5.682" W	20	Screen 5-20	2	834.8	Sand	6
BM 484	---	---	420429076054701	10/30/1980	42° 4' 28.818" N	76° 5' 46.103" W	88	---	---	810	Sand and gravel	<11
BM 489	---	---	420440076060002	6/1979	42° 4' 40.269" N	76° 5' 58.733" W	216	185	5	830	Bedrock	25
BM 513	---	---	420530076052301	1957	42° 5' 29.243" N	76° 5' 21.455" W	40	40	5	830	Gravel	---
BM 522	---	---	420528076051801	1960	42° 5' 28.513" N	76° 5' 16.332" W	55	55	6	825	Gravel	17
BM 532	Vestal 1-31	---	420524076030101	6/25/1982	42° 5' 24.389" N	76° 3' 1.313" W	51	Screen 39-44	2	823	Sand and gravel	~20
BM 535	Vestal 1-33	---	420518076030101	7/26/1982	42° 5' 18.214" N	76° 3' 1.182" W	38	Screen 21-26	2	825	Sand and gravel	~19
BM 536	Vestal 1-34	---	420523076031201	7/27/1982	42° 5' 22.773" N	76° 3' 11.536" W	84	Screen 69-74	2	817	Silty gravel	33

Current USGS well number (fig. 2)	Water level altitude (ft)	Date water level measured	Depth to bedrock (ft)	Altitude top of bedrock (ft)	Reported yield (gal/min)	Driller	Source of information
BM 90	---	---	---	<662	1,700	Rinbrand Well Drilling Co.	Endicott Water Dept. records
BM 91	---	---	---	<655	3,200	Rinbrand Well Drilling	Endicott Water Dept. records
BM 95	792	10/6/1965	---	<669	1,100	Kelly Well Co.	Endicott Water Dept. records
BM 103	785	1942	---	<657	---	Rinbrand Well Drilling	Endicott Water Dept. records. (BM 77 in Brown and Ferris, 1946)
BM 111	797	10/6/1965	---	<641	400-1,500	Rinbrand Well Drilling	Endicott Water Dept. records. (BM 78 in Brown and Ferris, 1946)
BM 122	785	10/1934	180	650	---	Rinbrand Well Drilling	Endicott Water Dept. records. (BM 65 in Brown and Ferris, 1946)
BM 127	800	11/1960	132	681	425	Eugene Fitzer	Endicott Water Dept. records, USGS sample examination
BM 137	---	---	74	738	---	Stewart Brothers	Driller's report, USGS sample study
BM 141		1961	111	735	125	James Cline & Sons	Driller's records
BM 148	808	10/1980	100	749	54	H. Spicer	Company files, driller's memory
BM 151	823	5/1934	86	760	---	Rinbrand Well Drilling	Print in company files
BM 450	809	5/1967	111	704	82	Stewart Brothers	Driller's report; brief USGS sample study
BM 463	804	2/1947	98	712	200	Ranney Water Collector Corp.	Report by driller and Ranney Corp.
BM 466	---	---	124	698	6	C.J. Martin & Sons	USGS, observation during drilling, and sample study
BM 476	---	---	66?	748?	---	USGS Power Auger	USGS observation during drilling, and sample study
BM 479	828.8	09/28/80	---	---	---	Dames and Moore	Soil Technician log
BM 484	---	10/30/1980	---	<722	---	USGS Power Auger	USGS observation during drilling, and sample study
BM 489	805	6/1979	185	645	20	C.J.Martin & Sons	Driller's records
BM 513	---	---	---	---	---	C.J. Martin & Sons	Driller's records
BM 522	808	6/20/1980	---	---	75	C.J. Martin & Sons	Driller's records
BM 532	---	---	---	---	---	CATOH Environmental	Martin and others (1983); includes report from driller
BM 535	---	---	---	---	---	CATOH Environmental	Martin and others (1983); includes report from driller
BM 536	---	---	---	---	---	CATOH Environmental	Martin and others (1983); includes report from driller

Current USGS well number (fig. 2)	Remarks/Log data
BM 90	No log.
BM 91	One of 18 similar wells in this area, pumped together by air lift at 3200 gpm, seldom used
BM 95	0-4 ft Fill; 4-10 Clay; 10-19 c. Gravel & dirty sand; 19-50 c. Gravel and sand; 50-56 m. Sand, some Gravel; 56-62 c. Gravel & sand; 62-76 m-f. Sand, some gravel; 76-92 f. Sand; 92-150 f. Sand (from log of 1965 test boring 15 ft southwest).
BM 103	0-10 ft Dirt; 10-123 Clay; 123-150 Sand and gravel, little clay, little water; 150 - 168 Clay.
BM 111	0-11 ft c. Gravel; 11-20 f. Gravel and sand; 20-28 Sand; 28-32 Gravel with water; 32-47 Quicksand; 47-163 Clay; 163-164 boulder; 164-167 Gravel with water; 167-169 Clay; 169-188 c. Sand and Gravel with water. Initial yield 2,000gpm, drawdown 23 ft prior to screen collapse; screen replaced by slotted pipe.
BM 122	0-31 ft Sand and Gravel, 31-79 gray Clay; 79-92 Sand and gravel; 92-100 Sand; 100-142 f. Sand and gravel with clay; 142-153 f. Sand and gravel, no clay; 153-171 f. Sand; 171-181 Sand; 181 Rock.
BM 127	0-40 ft clay and stones; 40-55 gravel with silty sand; 55-80 sand; 80-125 alternating sand and gravel; 125-132 gravel no sand; 132 ft. dark shale.
BM 137	0-15 ft Silt, some clay, gravel, and sand (wood fragments 10-15 ft); 15-30 Gravel, some sand, much silt; 30-45 f.- vf. Sand, silt increasing with depth; 45-55 m. to vc. Sand, pebbly, a few exotics, water-bearing; 55-65 gray Silt and Clay, with ~25% sand; 65-70 m. to vc. Sand (all local shale), a little silt, water-bearing; 70-74 m. to f. Sand, some silt, water-bearing; 74 bedrock.
BM 141	0-10 ft coarse Sand; 10-? vf. Sand to silt; ?-111 blue Clay and gravel - no water [till - ADRandall]; 111-115 Rock. Longitude incorrect in Randall (1972).
BM 148	0-30 ft c. Sand; 30-80 Muck; 80-100 Sand and gravel, pumped 100 gpm through open-end casing at 100 ft; 100-260 bedrock.
BM 151	0-8 ft - Fill; 8-27 Sand; 27-86 gray Clay; 86-150 hard blue Rock with shale breaks.
BM 450	0-19 ft Silt and Clay; 19-25 f. to c. Sand and c. gravel, silty; 25-45 gray-brown f. to c. Sand, slightly silty; 45-65 f. to c. Sand, very silty; 65-75 gray f. to c. Sand, nearly all shale grains, water-bearing; 75-111 gray m. to vc. Sand, pebbly, slightly silty, much f. sand 105-111; 111 Shale bedrock.
BM 463	0-8 ft Clay and Silt; 8-25 Gravel with m. to vc. sand; 25-35 Blue clay and silt, some sand and gravel; 35--53 Gravel with f. to vc. Sand; 53-60 pea Gravel, c. to vc. Sand, some cobbles; 60-75 Clay, silt, some f. to m. sand; 75-79 cobble gravel; 79-82 gray f. to vc. Sand, some pebbles; 82-96 Gravel, some f-vc. sand; 96-98 hard Clay. silt, sand, and gravel (Till?); 98 Shale bedrock.
BM 466	0-22 ft Silt, a little clay (0-15); 22-22.5 Gravel & f. Sand; 22.5-42 vf. Sand & Silt, layers red clay 37-42; 42-47 red Clay; 47-58 vf. Sand, little c. Sand & pebbles 53-58; 58-66 f-vc Sand (mostly local shale) ; 66-98 Gravel and m-vc Sand (local shale); 98-108 m-vc Sand, layers silty sand& gravel; 108-115 Gravel, some c-vc Sand; 115-124 m-vc Sand, variably silty; 124-126.5 rock. Detailed log in appendix 3.
BM 476	0-15 ft silt, some clayey silt; oxidized (top) becoming less oxidized with depth; 15-32 gravel, dense gray silt-bound to loose sandy with trace of silt; 32-57 silt, fine, unoxidized, massive; 57-66 till, at least in part, angular shale fragments in clayey silt matrix, dense, also some silt-bound gravel to very coarse sand; refusal at 66 ft.
BM 479	0-4 ft Fill; 4-15 gray f. to c. Sand with variable gravel content and a little silt; 15-17.5 gray c. Sand and f. gravel, little silt grading to m. Sand with trace silt and gravel; 17.5 22 gray silt with pink clay seams.
BM 484	0-27 ft m-vf. sand, also pebbly f-c. sand, trace silt, bright, 10YR 5/2 in layers about 1 foot thick; 25-57 vf. sand, clean, thick layers of silt and silty vf. sand; 57-82.5 silt, 5Y4/1, many thin layers of clay, reddish gray to light olive gray; also layers of silty very fine sand; 82.5-84 shale boulders; 84-85 sand, f-c., a little silt, black, weakly calcareous; 85-88 silty gravel. Detailed log in appendix 3.
BM 489	0-9 feet well pit; 9-50 dirty coarse gravel; 50-165 mostly fine sand and silt; 165-185 coarse sand some gravel with fine sand to silt, little water; 185-216 Sandstone, a few layers of shale, no water 185-211, water bearing 211-216.
BM 513	Robert Martin recalled (in 1980) hard drilling at 16 ft to penetrate boulders (this could be fill, or channel-bar gravel in alluvium); he recalls the log as all gravel 0-40 ft.
BM 522	No log.
BM 532	0-5 ft Fill; 5-32 Silt and vf sand (pieces of wood 25-30 ft); 32-45 silty m-f. Sand, little gravel; 45-51.5 vf. Sand and Silt.
BM 535	0-6 ft Fill; 6-16 Brown Silt; 16-31 Brown sandy Gravel, water producing; 31-41.5 Gray, dense, silty Gravel, not water producing. (Soil/Water samples had chemical odor).
BM 536	0-10 ft No samples; 10-26 Brown to gray-brown Silt, little vf. Sand; 26-33 gray to gray-brown silty vf. Sand; 33-86.5 gray-brown c. to f. Gravel, little silt and c. to f. sand.

Current USGS well number (fig. 2)	Other site names		Site identification number in USGS NWIS database	Date drilled	Latitude* (NAD 83)	Longitude* (NAD 83)	Well depth (ft)	Depth of casing (ft or screen if so stated)	Casing dia- meter (in.)	Land surface altitude (ft)	Aquifer type	Water level below land surface (ft)
	Name and (or) number used by well owner or in source reports	Well number on maps in Randall (1972)										
BM 537	EN-67	---	420619076031301	7/11/1980	42° 6' 19.424" N	76° 3' 13.453" W	26	Screen 8-26	4	835.1	Sand and silt	~11.
BM 541	Supplemental Purge Well	---	420506076051401	10/13/1992	42° 5' 6.560" N	76° 5' 14.880" W	122	Screen 72-117	16	811	Sand, some gravel	---
BM 543	---	---	420455076044801	10/23/1940	42° 04' 54.00" N	76° 4' 47.000" W	62	57.5	5	830.24	Sand and gravel?	32.02
BM 545	B-1 at WWTP	---	420505076051901	---	42° 5' 4.983" N	76° 5' 18.889" W	137	---	3	829	---	---
BM 546	NYDEC B-1	---	420505076044701	1983	42° 5' 10.969" N	76° 4' 46.572" W	60	Screen 55-60	2	821	Sand and gravel	29.25
BM 561	---	30-15b	420525076051901	4/1941	42° 5' 29.140" N	76° 5' 20.140" W	190	126	---	820	--	10
BM 563	DOT hole FH-B-5	---	420530076051001	6/18/1992	42° 5' 30.368" N	76° 5' 10.212" W	71	---	---	831	Sand and silt	25.9
BM 566	GR-2	---	420533076053001	9/12/1979	42° 5' 33.269" N	76° 5' 28.730" W	185	173	4	867.7	Sand and gravel	53.5
BM 571	GR-1	---	420534076054201	9/19/1979	42° 5' 34.267" N	76° 5' 40.732" W	110	69	4	901.5	Bedrock	35
BM 579	B205	---	420630076030201	1/6/1984	42° 6' 30.011" N	76° 3' 2.439" W	39	---	---	839	---	3.3
BM 580	B208	---	420627076030201	1/3/1984	42° 6' 27.221" N	76° 3' 2.237" W	62	---	---	839	---	11
BM 581	B212	---	420626076030301	1/3/1984	42° 6' 26.025" N	76° 3' 3.496" W	34	---	---	835	---	11.5
BM 582	B217	---	420626076030501	1/5/1984	42° 6' 25.982" N	76° 3' 4.846" W	24	---	---	836	---	8.5
BM 583	B163	---	420626076030302	10/3/1983	42° 6' 26.249" N	76° 3' 2.947" W	40	---	---	836	---	---
BM 584	---	---	420453076055101	1986	42° 4' 53.22" N	76° 25' 50.61" W	252	144	8	821	Bedrock	---
BM 585	---	---	420436076050601	1986	42° 4' 36.43" N	76° 5' 6.13" W	72	64	6	834	Silty Sand	---
BM 590	B-10	---	420514076050501	1983	42° 5' 13.637" N	76° 5' 4.845" W	52	Screen 45-50	---	822	Sand	26.5
BM 591	B-11	---	420505076050501	1983	42° 5' 5.466" N	76° 5' 5.282" W	65	Screen 60-65	2	819	Sand	---
BM 592	B-12	---	420509076050201	1983	42° 5' 8.551" N	76° 5' 2.064" W	65	Screen 60-65	2	816.8	Sand and gravel	---
BM 594	B-13	---	420510076045801	1983	42° 5' 10.113" N	76° 4' 58.267" W	65	Screen 58-63	2	819.8	---	---
BM 595	B-18	---	420506076045802	1985	42° 5' 5.644" N	76° 4' 58.322" W	60	Screen 29-32	2	818.3	Sand	---
BM 596	B-2	---	420510076045201	1983	42° 5' 10.327" N	76° 4' 51.916" W	60	Screen 55-60	---	821	Sand and gravel	28.1
BM 682	B-20	---	420507076050401	1985	42° 5' 6.921" N	76° 5' 3.856" W	69	Screen 62-65	2	816	Silty gravel	---

Current USGS well number (fig. 2)	Water level altitude (ft)	Date water level measured	Depth to bedrock (ft)	Altitude top of bedrock (ft)	Reported yield (gal/min)	Driller	Source of information
BM 537	824.1	09/28/80	---	---	---	Dames and Moore	Soil Technician log
BM 541	---	---	---	---	375 avg. for 2013	CATOH Environmental	Endicott Wastewater Treatment Plant & Malcom Pirine consultants
BM 543	798.22	8/28/1982	---	---	15	H. G. Stevens	Owners memory (1982)
BM 545	---	---	---	---	---	Empire Soils Investigations	Soils Technician log (Goldberg-Zoino Associates, 1987)
BM 546	792	7/1983	---	---	---	CATOH Environmental	Adams and Grant (1984)
BM 561	810	4/1941	126	694	---	Rinbrand Well Drilling	Endicott Water Dept. records. (B108 in Brown and Feris, 1946)
BM 563	805.3	6/18/1992	---	<760	---	NYS-DOT	Soils technician log
BM 566	814.2	10/9/1979	---	<682.7	---	---	Dames & Moore
BM 571	866.5	10/9/1979	60	841.5	---	---	Dames & Moore
BM 579	835.7	1/6/1984	---	---	---	CATOH Environmental	Soils technician log
BM 580	828	1/3/1984	---	---	---	CATOH Environmental	Soils technician log
BM 581	823.5	1/3/1984	---	---	---	CATOH Environmental	Soils technician log
BM 582	827.5	1/5/1984	---	---	---	CATOH Environmental	Soils technician log
BM 583	---	---	---	---	---	Atlantic Testing Labs	Soils Technician log
BM 584	---	---	142	679	---	Tully Drilling Co.	Driller log
BM 585	---	---	---	---	---	Tully Drilling Co.	Driller log
BM 590	---	6/1983	---	---	---	CATOH Environmental	Adams and Grant (1984)
BM 591	---	---	---	---	---	NYDEC Power Auger	Adams and Grant (1984)
BM 592	---	---	---	---	---	NYDEC Power Auger	Adams and Grant (1984)
BM 594	---	---	---	---	---	NYDEC Power Auger	Adams and Grant (1984)
BM 595	---	---	---	---	---	---	Grant (1985)
BM 596	---	6/1983	---	---	---	Catoh Environmental Services	Adams and Grant (1984)
BM 682	---	---	---	---	---	---	Grant (1985)

Current USGS well number (fig. 2)	Remarks/Log data
BM 537	0-7.5 ft Fill; 7.5-11 Brown f. to m. Sand with f. to c. Gravel, a little silt; 11-13 Silt, some f.-c. Sand; 13-23 gray f. to m. Sand, trace silt, grading to c. sand and occasional thin layers of pink clay; 23-26 gray laminated silt with a few pink clay seams.
BM 541	Log from MW-31 (~11 ft from location of Supplemental Purge well) - 0-15 ft Fill; 15-22 brown, f. to m. Sand, trace silt and gravel; 22-67 gray , clayey Silt, trace vf. sand & organics; 67-109 Brown-gray m. to c. Sand, some red gravel; 109-125 gray-brown m. to c. Sand, silt, some gravel; 125-129 gray-brown vf. f. Sand, silt and some gravel.
BM 543	No log.
BM 545	0-22 ft Fill; 22-30 Silt, decaying organic material; 30-34 Sand and gravel, little silt, gray; 34-97 Silt, trace clay, decaying organic material with fine sand seams, inclined stratification; 97-107 Gray varved silt and fine sand, occasional thin clay seams, inclined stratification at 45-50 ft; 107-109 Boulder; 109-137 c.-f. gravel and sand, gray, compact; fine sand zone at 135.
BM 546	0-16 ft Brown f. Sand, some silt and clay; 16-17.5 Gravel, m. sand; 17.5-27.5 Brown m. Sand, m. to f. gravel at depth; 27.5-52.5 Brown m. to c. Sand, m. to c. Gravel; 52.5-70 As above with trace clay.
BM 561	0-30 ft Sand & small gravel, 30-40 c. sand & large gravel, little water, 40-68 vf. sand; 68-72 f. Sand; 72-78 sand & gravel, some water, 78-83 gravel & clay, washed & cemented, 83-104 sand, hard & clay, 104-126 c. sand & clay, hard; 126-190 bedrock. Location approximate.
BM 563	0-4.5 ft Soil; 4.5-20 Brown sandy Gravel, some silt; 20-35 Brown silty Sand, some gravel; 35-71 gray-brown sandy Silt with some gravel, gravelly Silt with sand at depth.
BM 566	0-12 ft Fill; 12-19 Silty, clayey, some gravel, gray, (Fill?); 19-62 Clay, silty, some gravel and cobbles, more gravelly 55-62, yellow-tan to orange, 19-28 gray, 28-62 (Till? or colluvium?, possible deltaic gravel at base?); 62-142 Silt and vf. sand with occasional thin lenses of pink clay; 142-173 Silt and f. sand, with lenses of gravel and m. to c. sand; , 173-185 Gravel, varies from silty-clayey to a trace of silt.
BM 571	0-18 ft Clay, some gravel, a little c. sand, gray; 18-20 Silt and f. gravel and c. sand, tan; , 20-21 Silt, gray-tan; , 21-28 S silt to clayey silt, some gravel and c. sand, tan; 28-43 Silt, clayey, trace to some c. sand and gravel, orange tan to tan; 43-60 Clay, silty, a little c. sand and gravel, yellow-brown (top) to gray-brown; 60-110 Cyclic Shale, Siltstone, and f. Sandstone, fractured at 78, 85, 91, 100, 105, 107 ft.
BM 579	0-12 ft Fill; 12-36.5 gray mottled clay with organic material (peat) throughout, becoming stiff at depth; 36.5-39 laminated pink and gray clayey Silt and f. sand.
BM 580	0-15 ft Fill; 15-46 gray f. to m. Sand, variable amounts of silt, trace gravel; 46-48 gray-brown f. to c. Sand and clayey silt, some gravel; 48-62 brown fine sand, trace silt.
BM 581	0-10 ft Fill; 10-20 Brown to gray f. to c. Gravel and sand - possible Fill; 20-32 gray f. to c. Sand, trace silt and gravel, medium dense; 32-34 gray clayey Silt with some thin pink clay layers, stiff.
BM 582	0-8 ft Fill; 8-15 gray f. to c. Gravel and Sand; 15-18 Brown f. Sand, trace silt; 18-21 Brown f, to c. sand and clayey Silt, some gravel, medium dense; 21-24 gray clayey Silt, stiff.
BM 583	0-5 ft Fill; 5-16.5 gray c- to f. Gravel and c-f. Sand, little silt; 16.5-20 gray-brown c-f. Sand, trace silt; 20-26 gray-brown m. to f. sand little silt; 26-32 gray-brown Silt, little f. sand; 32-40 gray-brown m-f Sand, little silt with a few sandy Clay layers.
BM 584	0-16 ft Clay and Sand, some gravel; 16-73 silty Sand; 73-112 gray silty Clay; 112-120 f. to m. Gravel, Sand and clay; 120-142 Coarse gravel, Sand and clay; 142-212 gray Siltstone; 212-227 gray Shale; 227-252 gray Siltstone. Location approximate.
BM 585	0-12 ft Sand and Gravel; 12-31 Clay, a little sand; 31-35 medium Gravel; 35-72 silty Sand and Clay, some gravel.
BM 590	0-5 ft Brown Silt, dense; 5-36 M. to c. Gravel, Brown f. to m. Sand, some silt, wet at 30 ft; 36-51 Brown m. to f. Sand, some silt; 51-52 gray Clay.
BM 591	0-17 ft Brown f. silty Sand, little clay; 17-41 gray Silt, and clay; 41-65 gray f. to m. Sand.
BM 592	0-5 ft Brown f. Sand, 10-20 gray clay and silt; 20-65 gray f. Sand and gravel.
BM 594	0-5 ft Brown f. Sand and silt; 5-10 Brown f. sand and bright m. gravel, trace silt; 10-40 Brown bright f.-m. Gravel, some f.-m. sand; 40-65 Brown m. Sand, some f. gravel.
BM 595	0-15 ft Brown Silt, little clay; 15-20 gray Clay; 20-27 Gravel and sand; 27-28 f. to c. bright Gravel; 28-33 gray m. sand; 33-38 f. to m. Gravel some Brown f. sand and silt; 38-60 gray silty Clay.
BM 596	0-5 ft Tan Silt, trace f. sand; 5-15 Brown m. to f. Gravel, some sand, trace silt; 15-35 m-c. Sand, m. Gravel ,trace silt; 35-45 m. Gravel, some sand; 45-55 gray m- to c. Sand, f. to m. Gravel, 55-60 gray-brown m. to f. Sand, trace silt.
BM 682	0-17 ft Brown Silt; 17-30 gray Clay and silt; 30-52 gray sandy Silt; 52-69 gray sandy Silt with m-to c. Gravel.

Current USGS well number (fig. 2)	Other site names		Site identification number in USGS NWIS database	Date drilled	Latitude* (NAD 83)	Longitude* (NAD 83)	Well depth (ft)	Depth of casing (ft or screen if so stated)	Casing diameter (in.)	Land surface altitude (ft)	Aquifer type	Water level below land surface (ft)
	Name and (or) number used by well owner or in source reports	Well number on maps in Randall (1972)										
BM 683	B-21	---	420514076051201	1985	42° 5' 13.898" N	76° 5' 11.691" W	68	Screen 60-63	2	810	Sand and gravel	---
BM 714	First Purge Well	---	420507076050101	6/1/1984	42° 5' 7.269" N	76° 4' 59.731" W	65	Screen 54-64	10	816	Sand and gravel	22
BM 747	B207	---	420628076030201	1/9/1984	42° 6' 28.043" N	76° 3' 2.320" W	65.5	---	---	840	---	---
BM 748	B206	---	420629076030201	1/6/1984	42° 6' 29.241" N	76° 3' 2.253" W	42	---	---	839	---	8.3
BM 753	EW-9	---	420503076051502	9/1986	42° 5' 02.60" N	76° 5' 14.79" W	81	Screen 42-52	2	815.6	Sand and gravel	---
BM 754	NYS DOT-BH 9	---	420531076052201	---	42° 5' 30.973" N	76° 5' 22.776" W	77	---	---	810	Silt	---
BM 755	EW-15	---	420514076052501	12/19/1986	42° 5' 13.97" N	76° 5' 25.01" W	44	Screen 34-44	2	831.4	Sand and gravel	---
BM 756	MW-30	---	420509076051601	6/18/1991	42° 5' 9.213" N	76° 5' 15.720" W	110	Screen 83-93	2	821.8	Sand	26.7
BM 757	B34 (L 01 10 34)	---	420623076030601	2/19/1980	42° 6' 23.14" N	76° 3' 05.95" W	36	---	---	833	Silt	---
BM 758	EW-2D	---	420506076045801	8/1/1986	42° 5' 6.996" N	76° 4' 55.570" W	162	Screen 156-162	2	816	Sand and gravel	---
BM 761	EN-D1	---	420558076030201	9/20/1980	42° 5' 58.29" N	76° 3' 2.34" W	165	152	4	838.8	Shale	32.19
BM 762	EN-D2	---	420603076024401	9/4/1980	42° 6' 03.10" N	76° 2' 44.25" W	123	Screen 119-123	6	842.1	Silty sand and gravel	36.88
BM 763	--	51-46	420451076044401	1957	42° 4' 51.316" N	76° 4' 44.380" W	111	102	---	830	Bedrock	---
BM 766	EN-D7	---	420609076023701	1/4/1991	42° 6' 9.44" N	76° 2' 36.68" W	105	Screen 85-105	2	845.5	Sand, silty gravelly	31.62 35.78
BM 767	EN-D31	---	420603076023701	8/14/2003	42° 6' 3.09" N	76° 2' 36.93" W	118.5	Screen 103-118	2	846.4	Till	39.6
BM 768	Tully Well	---	420548076024301	1989	42° 5' 47.739" N	76° 2' 42.723" W	87	Screen 69-87	12	818	Sand and gravel	~14
BM 769	EN-D32	---	420609076020901	10/3/2003	42° 6' 9.17" N	76° 2' 08.87" W	120	Screen 105-120	2	838.3	Sand	31.1
BM 770	EN-D39	---	420608076024701	11/2/2004	42° 6' 18.04" N	76° 2' 46.55" W	103.5	97.5	6	850.5	Shale	35.7 37.4
BM 772	EN-D41	---	420613076023801	12/1/2004	42° 6' 13.47" N	76° 2' 38.32" W	122	102	6	846.8	Shale	34 39.11
BM 773	EN-96	---	420616076061601	8/27/1980	42° 6' 16.16" N	76° 3' 16.41" W	39	Screen 8-39	4	835.9	Sand and gravel	16.47
BM 774	EN-104	---	420609076032101	12/18/1981	42° 6' 9.10" N	76° 3' 20.90" W	72	screen 10-72	4	837.1	Silt	17.77

Current USGS well number (fig. 2)	Water level altitude (ft)	Date water level measured	Depth to bedrock (ft)	Altitude top of bedrock (ft)	Reported yield (gal/min)	Driller	Source of information
BM 683	---	---	---	---	---	---	Grant (1985)
BM 714	794	2/8/1985	---	<746	600	Tully Drilling Co.	Grant (1985)
BM 747	---	---	65	775	--	Catoh	Soil technician log
BM 748	830.7	1/6/1984	---	---	---	Catoh	Soils technician log
BM 753	---	---	---	<734	---	Empire Soils	Goldberg-Zoino Associates (1987)
BM 754	---	---	---	<733	---	---	NYS DOT Log
BM 755	---	---	---	---	---	Empire Soils Inv.	Goldberg-Zoino Associates (1987)
BM 756	795.1	7/29/1991	---	<712	---	Rochester Drilling	Lozier/Ground Water Associates (1992)
BM 757	---	---	---	---	---	Atlantic Testing Labs	Memorandum to Giffels Associates -- Soils technician log
BM 758	---	---	170	647	--	Empire Soils Investigations	Goldberg-Zoino Associates (1987)
BM 761	806.61	8/29/2012	150	688.3	---	CATOH Environmental	Groundwater Sciences (2013) and report by driller
BM 762	805.22	8/29/2012	127	714.7	---	CATOH Environmental	Groundwater Sciences (2013) and report by driller
BM 763	---	---	102	728	5	Garringer Well Drilling	Driller's records
BM 766	813.86	1/10/1991	---	<728	---	Hydro Group	Groundwater Sciences (2013); geologist's log by Groundwater Assoc.
BM 767	809.72	8/29/2012	118	728.4	---	Parratt-Wolff	Groundwater Sciences (2013); also geologist's log
BM 768	806.85	8/29/2012	118	728.4	---	Parratt-Wolff	Groundwater Sciences (2013); also geologist's log
BM 768	~804	4/6/1989	175	643	1,000	Tully Drilling Co.	Driller's report to owner
BM 769	807.2	10/08/2003	136	702.3	---	Parratt-Wolff	Groundwater Sciences (2013); USGS sample-study log
BM 770	814.8	12/22/2004	97	753.5	---	Parratt-Wolff	Groundwater Sciences (2013); also geologist's log
BM 772	813.1	8/29/2012	101	745.8	---	Parratt-Wolff	Groundwater Sciences (2013); also geologist's log
BM 773	812.8	12/22/2004	101	745.8	---	Parratt-Wolff	Groundwater Sciences (2013); also geologist's log
BM 774	807.69	8/29/2012	101	745.8	---	Parratt-Wolff	Groundwater Sciences (2013); also geologist's log
BM 773	819.43	8/29/2012	>42	<793.1	---	CATOH Environmental	Groundwater Sciences (2013); also soils technician log
BM 774	819.33	8/29/2012	---	<765.4	---	CATOH Environmental	Groundwater Sciences (2013); also soils technician log

Current USGS well number (fig. 2)	Remarks/Log data
BM 683	0-10 ft gray Silt, some clay; 10-12 gray Clay; 12-18 gray Gravel and sand; 18-29 gray sandy Silt and rounded m. Gravel; 29-52 running gray Silt and f. sand; 52-57 as above with f. Gravel; 57-68 gray f. to m. Sand, some gravel.
BM 714	0-13 ft Brown silt, some clay; 13-20 Brown f. to m. Gravel, some f. silty sand; 20-30 f. Gravel and sand; 30-35 f. to m. Gravel; 35-49 f. to m. gravel, m. Sand; 49-50 gray m. to c. Sand, some gravel; 50-67 m. to c. Gravel, some sand; 67-70 f. to m. Sand, little gravel. WL 37 ft after 48 hrs pumping at 600 gpm 2/14/1985. Well discharges into pond at golf course.
BM 747	0-20.5 ft Fill; 20.5-30 Brown Peat, soft (top) to medium stiff; 30-56 gray f. to m. Sand, little gravel (top), trace silt; 56-65 Brown f. to c. Sand and clayey Silt, some gravel, dense (Till); 65-65.6 weathered Shale.
BM 748	0-10 ft Fill; 10-36 Brown fibrous Peat, becoming organic Silt with peat at depth; 36-42 gray f. Sand over laminated gray f. sand and pink clayey silt.
BM 753	0-7.5 ft Fill; 7.5-18 gray clayey Silt, some f-m. sand and occasional wood fragments 14-18; 18-20 Brown f.-c. Sand and gravel, little silt; 20-45 gray clayey silt, some f. sand, lenses decayed organic matter; 45-50 gray f.-c. Sand and gravel, little silt; 50-52 gray Clay and Silt, some f- c. sand and trace gravel; 52-81 Gray clay and silt, trace f. sand and lenses of red-gray silty clay 52-56.
BM 754	No log until 13.5 ft -- 13.5-20 ft silty gravel, 25-45 gravelly silt, 45-50 silt, 60-65 silty gravel, 70-76.5 silt.
BM 755	0-14 ft Fill; 14-21 Brown silt and clay, grading to clayey Silt with some f. sand; 21-29 f.-c. Sand and clayey silt; 29-44 Brown f.-c. Sand, some gravel, grading downward to gravel and f.-c. Sand; 44-55 gray Silt and f. Sand, becoming more dense with trace of gravel at depth; 55-75 gray f.-c. Sand, some gravel, little silt, dense to very dense, (likely Till).
BM 756	0-10 ft Fill; 10-55 Brown f.-c. Gravel, little m. Sand, loose; 55-95 Brown f-m. Sand, 12% silt and clay, trace small gravel, 95-110 gray to brown f.-c. Sand with subangular gravel, dense; 110 till (inferred from increased density).
BM 757	0-15 ft Fill; 15-36.5 gray Silt, saturated, soft.
BM 758	0-16 ft Brown to gray clayey to sandy (at depth) Silt; 16-19 gray and brown silty f-m. Sand; 19-63 Gravel and f.-c. Sand; 63-67 gray m. Sand and clayey Silt; 67-134 f.-c. Sand with some to little gravel; 134-151 gray dense f-m. SAND, little silt, with gravel and shale fragments 143-151; 151-169 gray f. Sand and Silt; 169-170 Till, very dense; 170-175 Shale bedrock.
BM 761	0-6 ft Fill; 6-10 Gravel and Sand, little silt; 10-25 f.-c. Sand with layers of silt; 25-115 Silt, with thin layers pink clay; 115-148 vf. Sand, little silt, with layers of silty gravel below 136; 148-150 Till?; 150-165 Shale bedrock.
BM 762	0-14 ft f. to m. Sand; 14-21 Gravel; 21-86 Silt with thin layers pink clay; 86-121 vf. Sand, some silt, rare pink clay; 121-127 Gravel, some silt and clay, little f. to m. sand, dense; 127-136 weathered shale.
BM 763	Next house to north: depth and casing 96 ft; 5 ft of gravel added inside casing, yield 7 gpm (driller's records).
BM 766	0-33 ft f. to c. Sand, in part with Gravel; 33-84 Silt and Clay; 84-105 f. to c. Sand with f. Gravel, silty, poor sorting.
BM 767	0-5 ft Fill; 5-42 f. to c. Sand, including 9 ft with gravel; 42-49 Gravel and Sand; 49-93 Silt, occasional thin layers pink clay, also vf. sand layers below 50 ft; 93-118 Silt, sand and gravel, dense, stiff, many siltstone fragments (Till); 118-119 Shale bedrock.
BM 768	1-30 ft f. Sand, m. gravel, clay; 30-70 f. Sand, f. Gravel, silt; 70-75 f. Sand; 75-91 f. Sand, large Gravel; 91-165 f. Sand, silt; 165-175 f. Sand, m. gravel, silt, clay; 175-178 shale.
BM 769	0-8 ft - Fill; 8-39 f.-c. Sand, highly calcareous, and bright gravel; 39-43 vf. Sand, weakly calcareous; 43-96 silt with thin layers pink clay; 96-101 f. Sand over pebble gravel, all shale grains; 101-102 Silt, layers vf. sand and pink clay; 102-135 f.-vc. Sand, pebbly at top, weakly calcareous, all shale grains, increasingly silty with depth; 135-136 Shale.
BM 770	0-24 ft - Sand and Gravel; 24-73 Silt with thin layers pink clay; 73-97 Silt, vf. Sand, and Gravel, dense, nearly all shale clasts, very dense and rocky below 80; 97-106 shale.
BM 772	0-23 ft Sand and Gravel; 23-73 Silt with thin layers pink clay; 73-101 Silt, f. to c. sand and gravel; 101-122 Shale bedrock.
BM 773	0-7 ft Fill; 7-30 m. to c. Sand, some gravel; 30-38 m. to vf. Sand, some silt, thin layers of pink clay below 35; 38-42 Silt and Clay with broken shale & other rock (Till?).
BM 774	0-20 ft Gravel, f. to c. Sand, little silt and clay; 20-26 layers Sand and Silt, silt, sand, silty gravel; 26-46 Gravel, some sand, little silt; 46-71 f. to m. Sand, some gravel near top, pink clay layers 67-70; 71-72 Silt with thin layers pink clay.

Current USGS well number (fig. 2)	Other site names		Site identification number in USGS NWIS database	Date drilled	Latitude* (NAD 83)	Longitude* (NAD 83)	Well depth (ft)	Depth of casing (ft or screen if so stated)	Casing dia- meter (in.)	Land surface altitude (ft)	Aquifer type	Water level below land surface (ft)
	Name and (or) number used by well owner or in source reports	Well number on maps in Randall (1972)										
BM 775	EN-D36	---	420608076023701	6/7/2004	42° 6' 8" N	76° 2' 37" W	130	Screen 120- 130	2	846	Shale	37.90 37.40
BM 779	P-7	---	420509076052001	---	42° 5' 9.350" N	76° 5' 20.311" W	102	---	---	828	---	---
BM 780	P-8	---	420509076052101	---	42° 5' 9.255" N	76° 5' 21.317" W	102	---	---	828	---	---
BM 792	South St. Well #1	---	420540076030901	1925	42° 5' 39.721" N	76° 3' 9.438" W	155	155	12	809	Sand and gravel	---
BM 793	South St. Well #2	---	420540076031001	1925	42° 5' 39.486" N	76° 3' 10.180" W	155	155	12	809	Sand and gravel	---
BM 794	South St. Well #3	---	420539076031101	1925	42° 5' 39.299" N	76° 3' 10.847" W	155	155	12	810	Sand and gravel	---
BM 795	MW-3	---	420507076051601	12/20/1989	42° 5' 6.814" N	76° 5' 16.335" W	33	Screen 27-32	2	828	Sand and gravel	25
BM 796	EW-5	---	420511076051401	8/15/1986	42° 5' 10.769" N	76° 5' 4.137" W	68	Screen 58-68	2	813	Gravel and sand	---
BM 797	--	49-31	420549076043101	1969	42° 5' 48.019" N	76° 4' 31.001" W	199	199	6	827	Gravel	19
BM 798	MW-11	---	420509076053401	1/24/1990	42° 5' 9.217" N	76° 5' 33.538" W	39	Screen 33-38	2	831.4	Sandy gravel	25.1
BM 799	MW-15d	---	420525076051902	1/11/1990	42° 5' 24.563" N	76° 5' 18.737" W	36	Screen 30-35	2	814.8	Sand and gravel	10.13
BM 800	MW-16	---	420528076051401	1/16/1990	42° 5' 28.268" N	76° 5' 13.654" W	31	Screen 25-30	2	828.3	Sand	22.67
BM 801	MW-17	---	420530076051901	1/5/1990	42° 5' 30.515" N	76° 5' 19.129" W	48	Screen 42-47	2	832.5	Sand and gravel	27
BM 802	MW-18	---	420520076053201	1/24/1990	42° 5' 20.449" N	76° 5' 32.052" W	23	Screen 17-22	2	826.2	Sandy silt	8.7
BM 803	MW-19	---	420519076052901	1/25/1990	42° 5' 18.910" N	76° 5' 29.204" W	27	Screen 21-26	2	830	Sand and gravel	20.63
BM 804	MW-28	---	420520076052701	6/21/1991	42° 5' 19.830" N	76° 5' 27.233" W	38	Screen 28-38	2	831.2	Silty sand, gravel	28.94
BM 805	MW-9d	---	420454076053601	1/17/1990	42° 4' 54.430" N	76° 5' 35.910" W	71	Screen 65-70	2	822.3	Sandy gravel	19.08
BM 806	MW-10d	---	420503076053701	1/23/1990	42° 5' 2.764" N	76° 5' 37.308" W	64	Screen 58-63	2	828.6	Sand	21.96
BM 807	EN-151	---	420617076031501	9/9/1983	42° 6' 16.622" N	76° 3' 15.008" W	49	Screen 39-49	4	836.1	Sand	15.8
BM 808	EN-202	---	420612076031101	10/7/1992	42° 6' 12.326" N	76° 3' 11.192" W	48	Screen 27-47	4	845.9	Sand	28 28.6
BM 809	EN-95	---	420611076031501	8/21/1980	42° 6' 11.053" N	76° 3' 15.283" W	54	Screen 18-54	4	843.1	Sand	~21.5 23.5
BM 810	EN-103	---	420606076031901	12/5/1980	42° 6' 5.639" N	76° 3' 18.837" W	36	Screen 15-35	4	837	Sand	17.7
BM 811	EN-59	---	420601076031401	7/17/1980	42° 6' 0.898" N	76° 3' 13.851" W	15	Screen 5-15	4	831	Sand and silt	~10.5

Current USGS well number (fig. 2)	Water level altitude (ft)	Date water level measured	Depth to bedrock (ft)	Altitude top of bedrock (ft)	Reported yield (gal/min)	Driller	Source of information
BM 775	808.1 808.6	7/7/2004 8/29/2012	112	734	---	Parratt-Wolff	Groundwater Sciences (2013); also USGS sample study
BM 779	---	---	---	---	---	Empire Soils Investigations	Goldberg-Ziono Associates (1987)
BM 780	---	---	---	---	---	Empire Soils Investigations	Goldberg-Ziono Associates (1987)
BM 792	---	---	---	<654	1,000	James Cline & Sons	Endicott Water Dept. records
BM 793	---	---	---	<654	1,000	James Cline & Sons	Endicott Water Dept. records
BM 794	---	---	---	<655	1,000	James Cline & Sons	Endicott Water Dept. records
BM 795	803	1/26/1990	---	<646	---	Rochester Drilling	Lozier/Ground Water Associates (1992)
BM 796	---	---	---	<731	---	Empire Soils Investigations	Goldberg-Zoino Associates (1987)
BM 797	808	4/18/1969	202	625	35	Ehmke Well Drillers	Driller's report and memory
BM 798	806.3	2/26/1990	---	<729	---	Rochester Drilling	Lozier/Ground Water Associates (1992)
BM 799	804.7	1/26/1990	---	---	---	Rochester Drilling	Lozier /Ground Water Associates (1992)
BM 800	805.6	2/26/1990	---	---	---	Rochester Drilling	Lozier/Ground Water Associates (1992)
BM 801	805.5	2/2/1990	---	---	---	Rochester Drilling	Lozier/Ground Water Associates (1992)
BM 802	817.5	2/26/1990	---	---	---	Rochester Drilling	Lozier/Ground Water Associates (1992)
BM 803	809.4	2/26/1990	---	---	---	Rochester Drilling	Lozier/Ground Water Associates (1992)
BM 804	802.3	7/29/1991	---	---	---	Empire Soils Investigations	Lozier /Ground Water Associates (1992)
BM 805	803.2	1/26/1990	---	<724	---	Rochester Drilling	Lozier/Ground Water Associates (1992)
BM 806	806.6	2/26/1990	---	<629	---	Rochester Drilling	Lozier/Ground Water Associates (1992)
BM 807	820.3	09/09/83	---	---	---	Atlantic Testing Labs	Drillers log
BM 808	817.9 817.28	6/14/2005 8/19/2012	---	---	---	Ground Water Associates	Geologist's log
BM 809	821.6 819.6	9/28/1980 8/29/2012	---	---	---	Dames and Moore	Soils Technician log
BM 810	819.3	8/29/2012	---	---	---	Catoh Environmental	Soils technician log
BM 811	820.5	09/27/80	---	---	---	Dames and Moore	Soils technician log

Current USGS well number (fig. 2)	Remarks/Log data
BM 775	0-8 ft - loam; 8-24 m. to c. Sand to m. to f. Sand; 24-34 bright Gravel and Sand; 34-80 Silt with 32 thin layers red clay; 80-112 Till; 112-129 Shale bedrock. Detailed log in appendix 3.
BM 779	0-3 ft Fill; 3-19 Silt, sand, embedded gravel, gray-brown; 19-26 Organic silt, some sand and f. gravel, little wood, gray; 26-33 Sand and gravel, some silt, gray; 33-40 m-f. sand, some silt, little f. gravel, brown; 40-43 F. sand, some silt, brown; 43-48 Sand, little silt and f. gravel, gray; 48-70 m-f. sand, some silt; 70-80 Sand, little silt, little gravel; 80-102 Sand and gravel, little to some silt.
BM 780	0-3 ft Silt, some f. sand & gravel; 3-18 Silt, sand, gravel, brown; 18-20 Organic silt, little f. sand, gray; 20-28 Sand & gravel, some silt, seam of f. sand & organic silt; 28-45 m-f. sand, some to little f. gravel, little silt, gray-brown; 45-58 m-f. sand, occasional seams f. sand & silt; 58-63 F. sand & silt, gray; 63-102 Sand & silt, little f. gravel, occasional seams sand. Loose layers at 69,74,93 ft.
BM 792	No log - See logs for BM 88 and BM 89 for nearby wells.
BM 793	No log - See logs for BM 88 and BM 89 for nearby wells.
BM 794	No log - See logs for BM 88 and BM 89 for nearby wells.
BM 795	0-15 ft Topsoil and Fill; 15-32 gray to brown f-m.sand, little f. gravel, silt-clay matrix; 32-66.5 gray clayey Silt, some organics at 50, little fine sand; 66.5-125 gray m-c. sand and gravel, loose, silty at 76; 125-182 gray clay and silt, some sand and gravel (Till), siltstone and shale boulders at 176.
BM 796	0-44 ft Silt, Clay with black organic horizons at 20 and 30-44 ft, soft; 40-56 gray f-c. sand, silty near top, some gravel at depth; 56-81.5 gray Gravel, some f-c. sand, loose.
BM 797	0-20 ft Gravel, dry; 20-192 Brown-red grading to gray clayey Silt, grading to silty f. to vf. Sand; 192-199 hard Clay with gravel; 199-200 Gravel, water -bearing; 200-202 clean Sand; 202-208 bedrock.
BM 798	0-7 ft Fill; 7-30 Brown to gray to black to brown sandy Silt; 30-35 Brown sandy Gravel; 35-45 gray sandy Silt, trace gravel; 45-51 gray sandy Gravel; 51-80 Tan vf. Sand, traces silt and gravel, dense; 80-95 Tan Gravel, some silt and vf. Sand, dense; 89-102 Till: gray-brown silt, traces f. sand and gravel, dense (with angular siltstone fragment).
BM 799	0-3 ft Topsoil; 3-7 Brown f. to m. Sand; 7-32 Brown f-m. Sand and gravel; 32-52 Brown f. to c. Sand, traces gravel and silt.
BM 800	0-2 ft Topsoil; 2-31 Brown f-m. Sand, increasing gravel at depth; 31-52 Brown to gray clayey Silt, cobble at 46.5.
BM 801	0-11 ft Fill; 11-25 Brown silty f-m. Sand, trace gravel; 25-50 f-c. Sand and Gravel, silty clay matrix, gravel decreasing with depth, heaving sands at 36.
BM 802	0-8 ft Fill; 8-21 Brown silty Clay grading to sandy Silt, stiff; 21-32 Till: Brown to gray sandy gravel with silt and clay and angular rock fragments, very dense.
BM 803	0-15 ft Fill; 15-20 Tan fine-sandy Silt; 20-28 Brown-gray f-c. Sand and Gravel, poorly sorted, dense; 28-32 Till: gray sandy clayey silt with angular rock fragments, dense.
BM 804	0-20 ft Fill; 20-24 gray Silt, some f-m. sand; 24-29 gray silty Clay, soft; 29-38 gray silty f-c Sand and Gravel; 38-50 Till: gray silty clay with sand and fine gravel, firm.
BM 805	0-10 ft Fill; 10-15 Brown silty f-c. sand; 15-20 Brown m-c. Sand and gravel, trace silt; 20-26 brown silty m-c. Sand, some organics; 26-98 Brown f-m. Sand and Gravel in silt matrix.
BM 806	0-15 ft Fill; 15-28 Tan to gray f-c. Sand and gravel, becoming more gravelly at depth; 28-51 Tan sandy Silt, soft; 51-70 Brown Sand, becoming gravelly at depth; 70-80 Tan Silt, with some sand at depth, dense; 80-150 Till: gray Silt, some sand and gravel, dense to very dense.
BM 807	0-17 ft Brown Sand and Gravel; 17-27.5 Brown f. to c. Sand, little silt; 27.5-43.5 gray-brown m. to f. Sand, little silt, some thin layers of pink clay; 43.5-49 gray f. Sand, some silt, trace clay; 49-52 gray Silt, some gravel, little clay, trace sand.
BM 808	0-3.5 ft Fill; 3.5-34 Brown f. to m. Sand, some gravel and pebbles which decrease with depth; 34-44 Brown f. to c. Sand, some silt near top, some gravel near base; 44-46 Brown silt and f. Sand; 46-48 gray Silt with occasional thin pink clay layers.
BM 809	0-2 ft Fill; 2-9 Tan f-m. Sand, some silt and occasional roots 2-6; 9-18 Brown f. to m. Sand, traces silt and gravel; 18-29 Brown c. to m. Sand, variable gravel; 29-38 Brown m. to f. Sand, traces silt and gravel; 38-52 Brown f. to m. Sand with some silt and thin pink clay seams throughout; 52-54 gray silt with pink clay seams.
BM 810	0-10 ft Brown to black f. to m. Sand, little silt; 10-11 cobble gravel, little sand and clay; 11-34 Brown f. to m. Sand, traces silt and gravel; 34-36 gray laminated silt with occasional thin pink clay seams.
BM 811	0-3 ft Fill; 3-5 Tan f. to m. silty Sand with little gravel, over brown silt with little sand; 5-8 brown f-c. Sand; 8-18 Tan to gray Silt with occasional thin pink clay seams.

Current USGS well number (fig. 2)	Other site names		Site identification number in USGS NWIS database	Date drilled	Latitude* (NAD 83)	Longitude* (NAD 83)	Well depth (ft)	Depth of casing (ft or screen if so stated)	Casing dia- meter (in.)	Land surface altitude (ft)	Aquifer type	Water level below land surface (ft)
	Name and (or) number used by well owner or in source reports	Well number on maps in Randall (1972)										
BM 812	Vestal 1-28	---	420517076033801	6/4/1982	42° 5' 17.358" N	76° 3' 37.995" W	118	Screen 112- 117	2	822	Silty sand	---
BM 813	Vestal 1-A	---	420504076040601	9/17/2007	42° 5' 4.294" N	76° 4' 5.852" W	143	---	---	815	---	---
BM 814	Vestal 1-B	---	420514076035301	7/17/2008	42° 5' 13.513" N	76° 3' 52.819" W	107	---	---	808	---	---
BM 815	Vestal 5-A	---	420446076051801	9/19/2007	42° 4' 46.431" N	76° 5' 18.016" W	160	---	---	816	---	---
BM 816	Vestal 5-B	---	420453076050801	9/21/2007	42° 4' 52.829" N	76° 5' 8.279" W	150	---	---	828	---	---
BM 817	Vestal B1	---	420518076033601	10/15/1991	42° 5' 18.294" N	76° 3' 36.337" W	130	Screen 120- 130	2	832	Sand and gravel	12
BM 818	Vestal B10	---	420508076040701	1/2/1992	42° 5' 7.845" N	76° 4' 6.932" W	75	Screen 65-75	2	810	Clean sand and gravel	20
BM 819	Vestal B11	---	420505076041001	1/6/1992	42° 5' 5.328" N	76° 4' 10.057" W	70	Screen 60-70	2	816	Sand	---
BM 820	Vestal B2	---	420505076041601	10/20/1991	42° 5' 4.883" N	76° 4' 16.383" W	77	Screen 67-77	2	806	Silty sand	13
BM 821	Vestal B3	---	420504076040901	11/13/1991	42° 5' 4.392" N	76° 4' 9.235" W	47	Screen 37-47	2	810	Sand and gravel	17
BM 822	Vestal B4	---	420509076035901	11/11/1991	42° 5' 8.942" N	76° 3' 58.647" W	90	Screen 70-90	2	817	Gravel and sand	14
BM 823	Vestal B5	---	420512076035801	11/18/1991	42° 5' 11.917" N	76° 3' 57.912" W	104	None	---	813	None	---
BM 824	Vestal B6	---	420456076041801	11/17/1991	42° 4' 55.991" N	76° 4' 17.788" W	65	Screen 55-65	2	810	Sand and gravel	28
BM 825	Vestal B7	---	420518076033602	11/20/1991	42° 5' 17.513" N	76° 3' 36.137" W	100	Screen 90-100	2	822	Sand and gravel	21
BM 826	Vestal B8	---	420518076033501	11/1/1991	42° 5' 18.261" N	76° 3' 34.779" W	145	Screen 135- 145	2	824	Gravel sand, silt	18
BM 827	Vestal B9	---	420453076042801	12/28/1991	42° 4' 52.769" N	76° 4' 27.465" W	75	Screen 65-75	2	806	Till	20
BM 828	NYDOT No. 64-R-1 Hole S1-6	---	420408076061101	3/21/1962	42° 4' 8.354" N	76° 6' 11.021" W	96.5	---	---	828	---	6
BM 829	DOT No. 74-R-1 Hole S2-16	45-46b	420446076044001	3/15/1962	42° 4' 45.899" N	76° 4' 39.848" W	36	---	---	821	---	11
BM 830	---	---	420538076050301	9/28/1964	42° 5' 38.546" N	76° 5' 1.089" W	168	168	5	827	Sand	20
BM 831	Vestal E-1	---	420533076032901	7/22/1982	42° 5' 32.885" N	76° 3' 28.918" W	140	Screen 125- 140	2	816	Gravel	---

Current USGS well number (fig. 2)	Water level altitude (ft)	Date water level measured	Depth to bedrock (ft)	Altitude top of bedrock (ft)	Reported yield (gal/min)	Driller	Source of information
BM 812	---	---	159.3? (refusal)	663?	---	CATOH Environmental	Martin and others (1983)
BM 813	---	---	---	<672	---	Capital Well Drilling	Clough Harbour Associates (2008)
BM 814	---	---	---	<701	---	Capital Well Drilling	Clough Harbour Associates (2008)
BM 815	---	---	---	<656	---	Capital Well Drilling	Clough Harbour Associates (2008)
BM 816	---	---	---	<678	---	Capital Well Drilling	Clough Harbour Associates (2008)
BM 817	820	10/15/1991	157	675	---	Hydro Group	Vestal Water Dept. records (1992); Driller's log
BM 818	790	1/2/1992	110	700	---	Hydro Group	Vestal Water Dept. records (1992); Driller's log
BM 819	---	---	---	<719	---	Hydro Group	Vestal Water Dept. records (1992); Driller's log
BM 820	793	10/20/1991	80	726	---	Hydro Group	Vestal Water Dept. records (1992); Driller's log
BM 821	793	11/13/1991	62	748	---	Hydro Group	Vestal Water Dept. records (1992); Driller's log
BM 822	803	11/11/1991	---	---	---	Hydro Group	Vestal Water Dept. records (1992); Driller's log
BM 823	---	---	102	711	---	Hydro Group	Vestal Water Dept. records (1992); Driller's log
BM 824	782	11/17/1991	105	705	---	Hydro Group	Vestal Water Dept. records (1992); Driller's log
BM 825	801	11/20/1991	135	687	---	Hydro Group	Vestal Water Dept. records (1992); Driller's log
BM 826	806	11/1/1991	---	---	---	Hydro Group	Vestal Water Dept. records (1992); Driller's log
BM 827	786	12/28/1991	75	731	---	Hydro Group	Vestal Water Dept. records (1992); Driller's log
BM 828	822	3/21/1962	---	<793	---	NYS-DOT	NYSDOT Soils technician log
BM 829	810	3/15/1962	34	787	---	NYS-DOT	NYS-DOT Soils technician log
BM 830	807	10/10/1964	---	---	40	R.W. Edson	Driller's records, owner's records(chemical analyses)
BM 831	---	---	143 refusal	~673?	---	Catoh Environmental	Martin and others (1983)

Current USGS well number (fig. 2)	Remarks/Log data
BM 812	0-20 ft No samples; 20-59 brown c-f. gravel, little silty c-f. sand; 59-81 gray laminated silt with pink clay layers; 81-97 layers of silty f-vf. Sand, f. sandy silt, pink clay; 97-107 f-vf. Sand, layers of silt; 107-159 gray silty f-vf. sand, a little m-c. sand or gravel, layers of silty f. Sand; 159-159.3 gray dense gravel, some sand and clay (till?); 159.3 refusal.
BM 813	0-12 ft Brown-gray Silt, trace f. to m. sand and clay, trace gravel at depth; 12-14 gray Clay, some silt; 14-60 f. to c. Gravel, some gray silt and clay, m. to c. Sand at depth, dense; 60-70 gray m. to c. Sand and Silt; 70-105 gray f. to c. Gravel, some sand and silt, dense; 105-121 gray m. to c. Sand, trace silt; 121-125 Sand and Silt; 125-143 Brown f. Gravel, Silt, f. Sand, dense.
BM 814	0-20 ft Brown Silt and f. Sand, trace gravel; 20-40 Brown silt and f-c. Sand, some gravel; 40-60 Brown to gray Silt and Clay, some f. to m. sand, trace gravel; 60-85 gray f. to m. Sand and Silt, trace gravel and clay; 85-103 Brown f. to c. Sand, some gravel and silt; 103-107 gray Clay, some silt.
BM 815	0-40 ft Brown Silt, some clay; 40-55 Brown grading to gray Silt and Clay, some f. to m. sand; 55-160 gray f. Sand and silt, very loose, with layer of f. Sand, little m-c. Sand, little silt 130-135 ft.
BM 816	0-5 ft Brown Silt, some c. sand and f. gravel; 5- 50 Brown f. Sand, traces silt, m-c Sand, f. gravel; 50-61 Brown Silt, some clay and f. to c. gravel and sand, soft; 61-80 Brown f. Gravel, some f. to m. sand, with clay layer 73-75; 80-115 Brown-gray Clay, soft; 115-135 Brown-gray f. Gravel, trace c. sand; 135-150 Clay with some c. to f. gravel.
BM 817	0-7 ft Brown silty clay with gravel; 7--52 Coarse gravel with silt, sand and clay; 52-62 brown coarse sand and gravel; 62-88 gray silt with clay; 88-121 gray clay and silt with coarse sand; 121-135 coarse gravel and sand; 135-149 large gravel with silt and sand; 149-155 silty clay with coarse sand; 155-159 weathered to massive shale bedrock.
BM 818	0-15 ft - no samples; 15-17 brown silty sand; 17-60 large to medium gravel with silt and m. sand; 60-75 m. gravel with sand, clean; 75-95 gravel and sand, silty to clean; 95-110 hardpan, dry and tight (till?); 110 shale bedrock.
BM 819	0-15 ft No samples; 15-52 Brown silty sand and gravel; 52-72 m-f. Sand; 72-82 f. Sand, silt, clay; 82-97 hardpan- tight clay with sand and gravel (Till).
BM 820	0-12 ft No samples; 12-32 coarse gravel with some silt; 32-52 brown coarse sand, with gravel at 41 and some gray silt 50-52; 52-68 gray silt with some fine sand; 68-80 gray medium sand, some large broken rock at depth; 80-81 shale bedrock.
BM 821	0-10 ft - No samples; 10-27 coarse to medium gravel, some sand and silt; 27-42 coarse dirty sand, some gravel; 42-47 gray silty clay, some gravel; 47-62 brown sand, some clay and gravel; 62 bedrock [? A.D.Randall].
BM 822	0-10 ft no samples; 10-17 brown gravel, some silt; 17-37 fine silty sand; 37-67 f-c. brown to gray sand, some silt; 67-88 large different color gravel with some sand, productive aquifer; 88-95 gravel and sand, some silt; 95-97 f-m. Sand, some silt; 97-99 gravel and silt; 99-101 [111?] tight, dry, silty clay (till).
BM 823	0-17 ft Fill; 17-102 gray silty clay; 102-104 shale bedrock.
BM 824	0-5 ft No sample; 5-22 medium sand, with gravel 5-12; 22-82 coarse to medium gravel with medium sand, silty 22-37 and 80-82; 82-87 silt with some gravel and sand, hard; 87-105 Gravel with silty sand; 105-107 shale bedrock.
BM 825	0-5 ft No sample; 5-12 topsoil; 12-27 c-m. gravel, some sand and silt; 27-36 c. sand, some gravel; 36-50 gray silty clay; 50-52 c. sand, some silt; 52-67 f-m. sand, some silt; 67-72 silty clay; 72-100 f-c. sand, some silt; 100-135 coarse to medium gravel, silty; 135-137 shale bedrock.
BM 826	0-5 ft no sample; 5-12 brown fine sand; 12-52 gravel, with c-m. sand 12-30, with silty f. sand 30-52; 52-77 gray silty f. sand; 77-95 m-c. sand with some gravel; 95-135 coarse silty sand with some small gravel; 135-152 medium gravel with little fine silty sand.
BM 827	0-5 ft - no sample; 5-10 silty fine sand; 10-67 medium gravel with silty sand, hard; 67-75 gray hard till, tight and dry; 75 shale bedrock.
BM 828	0-10 ft Silt, some sand and gravel, firm; 10-15 Sand and Gravel, some silt; 15-26 Silt; 26-33 f. to m. Sand, trace silt and gravel, loose; 33-59 Sand and Gravel, some silt, loose to firm; 59-80 f. to m. Sand, some silt, firm; 80-96.5 Sand and Gravel, some silt, compact.
BM 829	0-10 ft f. Sand, some silt, loose; 10-25 Gravel, some c. sand, trace silt, loose to compact, brown; 25-32.5 Gravel, trace c. sand and silt, compact; 32.5-33 shale (boulder?); 33-35.5 weathered shale, silt, some clay, over broken shale.
BM 830	Driller's memory (2014)-- Alluvial sand and gravel, then flowing sands, then medium to coarse sand. Chemical analyses (Private labs), in ppm: 1/1979: Hardness 250, alkalinity 220, chloride 40. 8/1979: hardness 252, alkalinity 226, chloride 60, conductivity 650 micromhos.
BM 831	0-6 ft Fill; 6-20.5 Brown Silt; 20.5-46.5 Layers of gravel, sand and silt, each 1-3 feet thick; 46.5-55.5 Pink Clay; 55.5-60.8 gray Silt, with laminations of pink clay and of vf. Sand; 60.8-102 f. Sand interlayered with Silt (some sand layers water-producing); 102-121 dirty Gravel (a little water); 121-141.5 Gravel, water-producing; 141.5 -143 Gravel, sand and silt (Till-like material) Refusal.

Current USGS well number (fig. 2)	Other site names		Site identification number in USGS NWIS database	Date drilled	Latitude* (NAD 83)	Longitude* (NAD 83)	Well depth (ft)	Depth of casing (ft or screen if so stated)	Casing diameter (in.)	Land surface altitude (ft)	Aquifer type	Water level below land surface (ft)
	Name and (or) number used by well owner or in source reports	Well number on maps in Randall (1972)										
BM 832	EW-1D	---	420504076044901	8/22/1986	42° 5' 4.289" N	76° 4' 49.238" W	101	Screen 96-101	---	807	Nested cobbles	---
BM 833	EW-14	---	420516076051401	12/8/1986	42° 5' 16.270" N	76° 5' 14.193" W	32	Screen 22-32	---	821	Sand and gravel	---
BM 834	EW-3D	---	420507076050701	8/5/1986	42° 5' 7.032" N	76° 5' 6.872" W	86	Screen 76-86	2	818.7	Gravel and sand	18.07
BM 835	EW-8	---	420505076052201	9/17/1986	42° 5' 5.485" N	76° 5' 21.598" W	75	Screen 65-75	2	821	Gravel	23.7
BM 836	Vestal 1-20	---	420521076032901	5/7/1982	42° 5' 21.169" N	76° 3' 29.062" W	135	Screen 114-119	2	824	Gravel and sand	---
BM 837	Vestal 1-22	---	420519076032701	4/15/1982	42° 5' 18.496" N	76° 3' 26.650" W	132	Screen 126-131 ft	2	816	Silt and sand	---
BM 838	Vestal 1-23	---	420516076032401	5/11/1982	42° 5' 15.800" N	76° 3' 23.967" W	135	Screen 129-134 ft	2	817	Gravel and sand	---
BM 839	Vestal 1-24	---	420523076032501	5/17/1982	42° 5' 22.941" N	76° 3' 25.438" W	129	Screen 114-119	2	824	Gravel and sand	---
BM 840	Vestal 1-25	---	420520076033201	5/19/1982	42° 5' 19.678" N	76° 3' 32.352" W	149	Screen 142-147	2	825	Gravel and sand	---
BM 841	Vestal 1-26	---	420517076033101	5/25/1982	42° 5' 16.971" N	76° 3' 30.785" W	141	Screen 131-136 ft	2	820	Silt and sand	---
BM 842	Vestal 1-27	---	420515076033401	6/1/1982	42° 5' 15.232" N	76° 3' 33.664" W	152	Screen 146-151 ft	2	819	Sand and silt	---
BM 843	Vestal 1-29	---	420523076031901	6/15/1982	42° 5' 23.357" N	76° 3' 18.512" W	119.5	Screen 109-114 ft	2	823	Sand and f. gravel	---
BM 844	Vestal 1-30	---	420518076031801	6/26/1982	42° 5' 17.614" N	76° 3' 18.450" W	114	Screen 105-110	2	817	F. sand	---
BM 845	Vestal 1-32	---	420528076031301	7/5/1982	42° 5' 27.970" N	76° 3' 12.805" W	119	Screen 112-117	2	830	Sandy gravel	---
BM 846	MW 2	---	420507076050601	12/7/1989	42° 5' 6.820" N	76° 5' 6.464" W	160	Screen 154-159	2	811	Sandy gravel	17.5
BM 847	MW-12	---	420515076052701	1/26/1990	42° 5' 15.415" N	76° 5' 27.480" W	40	Screen 34-39	2	833.3	Sandy gravel	25.5
BM 848	MW-13D	---	420513076052201	1/5/1990	42° 5' 12.512" N	76° 5' 21.557" W	84	Screen 78-83	2	812.3	Sand	12.88
BM 849	MW-22D	---	420505076052901	7/12/1991	42° 5' 4.947" N	76° 5' 28.614" W	80	Screen 68-78	2	832	Sandy silt	33.8
BM 850	MW-24	---	420453076052401	6/25/1991	42° 4' 53.465" N	76° 5' 23.889" W	36	Screen 25-35	2	829.4	Sandy silt	30.7

Current USGS well number (fig. 2)	Water level altitude (ft)	Date water level measured	Depth to bedrock (ft)	Altitude top of bedrock (ft)	Reported yield (gal/min)	Driller	Source of information
BM 832	---	---		<701	---	Empire Soils Investigations	Goldberg-Zoino Associates (1987)
BM 833	---	---	---	<734	---	Empire Soils Investigations	Goldberg-Zoino Associates (1987)
BM 834	800.6	1/27/2004	---	<715	---	Empire Soils Investigations	Goldberg-Zoino Associates (1987)
BM 835	797.5	8/2011	---	<725	---	Empire Soils Investigations	Goldberg-Zoino Associates (1987)
BM 836	---	---	136 refusal	688?	---	CATOH Environmental	Martin and others (1983)
BM 837	---	---	132 refusal	684?	---	CATOH Environmental	Martin and others (1983)
BM 838	---	---	136.5 refusal	680.5?	---	CATOH Environmental	Martin and others (1983)
BM 839	---	---	130 refusal	694?	---	CATOH Environmental	Martin and others (1983)
BM 840	---	---	---	---	---	CATOH Environmental	Martin and others (1983)
BM 841	---	---	144?	676?	---	CATOH Environmental	Martin and others (1983)
BM 842	---	---	152.5 refusal	666.5	---	CATOH Environmental	Martin and others (1983)
BM 843	---	---	---	---	---	CATOH Environmental	Martin and others (1983)
BM 844	---	---	---	---	---	CATOH Environmental	Martin and others (1983)
BM 845	---	---	---	---	---	CATOH Environmental	Martin and others (1983)
BM 846	793.7	1/12/1990	---	<649	---	Rochester Drilling	Lozier/Ground Water Associates (1992)
BM 847	807.8	2/26/1990	---	<731	---	Rochester Drilling	Lozier/Ground Water Associates (1992)
BM 848	797.4	1/12/1990	---	<710	---	Rochester Drilling	Lozier/Ground Water Associates (1992)
BM 849	798	7/29/1991	---	<707	---	Empire Soils Investigations	Lozier/Ground Water Associates (1992)
BM 850	798.7	7/29/1991	---	<793	---	Empire Soils Investigations	Lozier/Ground Water Associates (1992)

Current USGS well number (fig. 2)	Remarks/Log data
BM 832	0-7.5 ft gray clay and silt; 7.5-36 Brown to gray f-c. sand and gravel (little gravel 30-36); 36-38 Brown silt and clay, some f. Sand, stiff, with red clay blebs; 38-68 Brown f-c. sand and silt, occasional red clay blebs; 68-90 f-c. sand, little silt; 90-94 gray/brown f-c. sand and silt; 94-99 gray nested cobbles and boulders; 99-106 gray f-c. sand, little silt, some gravel , very dense.
BM 833	0-15 ft Brown f. to c. Sand, little gravel and silt; 15-30 Brown f. to c. Sand and Gravel, dense; 30-39 f. to c. Sand, little silt, very dense; 39-86.5 f. to m. Sand, some silt, with little gravel 84-86.5, dense 74-86.5.
BM 834	0-13 ft Fill; 13-35 gray-brown clayey organic silt, 15% organic matter at 20 ft, less organics below 25 ft; 35-63 clayey silt, f. sand lenses below 55 ft; 63-72 gray fine sand, a little silt and clay; 72-103.7 gray gravel, some sand, little silt, becoming more silty and dense below 95 ft.
BM 835	0-10.5 ft Fill; 10.5 -20 gray clay and silt; 20-27 gray clay and silt with organic matter, little f-c. sand at 25 ft; 27-57 gray clayey silt, soft black varves at top, moderately stiff at depth; 57-89 Gray gravel, some f-c sand; 89-96 Brown silt, some f. sand, trace clay, dense.
BM 836	0-30 ft Brown fine sand and silt; 30-90 Brown gravel and c-f. sand, little silt below 65; 90-102 brown m-f. sand, little gravel, silty; 102-107 m-f. sand, little silt layered with silty gravel and c-f. sand; 107-135 gravel, some silty m-f .sand, 135-136 gravel, some fine sandy silt, very dense (Till?) Refusal.
BM 837	0-13 ft - Brown slightly varved silt, trace vf. sand; 13-28 brown m-f. gravel, little c-f. sand; 28-46 Brown m-f. sand with layers of silt; 46-55 gray silt, trace clay, varved; 55-71 gray silt and f. sand, layered/varved; 71-130 layers m-f. sand, silt; 130-132 gray m-f. sand, little clayey silt; Refusal.
BM 838	0-8 ft Brown silt; 8-20 brown gravel; 20-58 gray silt, with clayey silt and fine sand layers, some thin red clay layers; 58-128 layers of gray vf. sand, silt and silty f. sand, some varves of (reddish?) clay; 128-136 gray gravel and fine silty sand, trace clay; 136.5 Refusal.
BM 839	0-21 ft Brown fine sandy silt; 21-96 brown to gray coarse to fine gravel, some c-f. sand, trace to little silt, wood at 75 ft; 96-110 gray m-f. sand, trace to some silt and gravel; 110-128 gray coarse to fine gravel with c-f. sand, very dense near bottom; 128-130 gray gravel, some silty sand (till ?) Refusal.
BM 840	0-17 ft Sandy silt; 17-50 brown m-f. gravel, little c-f. sand; 50-85 gray silty clay, occasional pink clay seams and vf. sand layers; 85-111 gray laminated silt and clayey silt grading to silty f. sand and clayey silt at depth, with pink clay seams; 111-128 gray m-f. sand, trace silt; 128-145 gray silty f-m sand with brown silt to pink clay varves; 145-156 gray c-f. gravel with silty m-f sand (till?).
BM 841	0-13 ft Brown sandy silt; 13-38 brown c-f. gravel with some c-f. sand, trace silt; 38-136 gray silty f-vf. sand, interlayered with vf-f. sandy silt laminated with thin pink clay seams; 136-144 gray coarse to medium gravel, little silty c-f. sand (till?), 144 weathered rock(?).
BM 842	0-8 ft Brown sandy silt; 8-25 Brown gravel; 25-41 gray silt with gray and pink clay laminations; 41-75 gray vf. sandy silt laminated with clay; 75-152 layered gray silt, vf. sandy silt, silty f-vf. sand, and f. sand, with pink clay seams 95-105 and 130; 152-152.5 gray, dense gravel, some silty sand and clay (till?). Refusal on weathered rock.
BM 843	0-8 ft Fill; 8-33 brown over gray vf. sandy silt, trace clay; 33-42 brown c-f. gravel, little c-f. sand; 42-58 gray and brown m-f. sand, some gravel; 58-113 gray, c-f. gravel, some c-f. sand, variably silty; 113-119.5 c-f. gravel, little silty c-f. sand, very dense (till?).
BM 844	0-8 ft loam; 8-12 clean gravel; 12-30 brown gravel, trace sand and silt; 30-36 gray silt, some pink clay laminations; 36-71 gray silty fine sand, some layers of clay or silt; 71-83 gray-brown vf. sandy silt; 83-95 silty m-f. sand and vf. sandy silt; 95-112 vf. sandy silt and silty f-vf. sand; 112-116.5 m-f. sand and clayey silt, some shale gravel, dense (till?).
BM 845	0-10 ft Fill; 10-23 gray-brown silt, little clay; 23-37 gray silt; 37-83 gray vf. sandy silt, layers of clayey silt and dark gray vf. sand, decayed vegetation smell, pieces of wood at several depths; 83-135 gray c-f. gravel, little c-f. sand, trace to little silt, water-bearing; 135-136.5 gravel, little silty f. sand, very dense (till?).
BM 846	0-8 ft Topsoil, Brown silty clay; 8-45 gray silt and clay, some organics; 45-71 gray/brown sandy gravel, silt matrix, poorly sorted; 71 -87 f. and f-m. sand, loose, silty 85-87; 87-125 sandy gravel, loose, two 2-ft sand layers; 125-162 sand and gravel, poorly sorted, dense, subangular shale gravel.
BM 847	0-15 ft Fill; 15-31 gray-brown silt and clay, some organics; 31-45 gray to Brown sandy Gravel, with sandy silt layers, loose; 45-85 Brown and gray silty Sand, with some angular gravel becoming less common at depth, dense (Till); 85-102 gray to brown silty f. Sand, dense.
BM 848	0-10 ft Brown-tan Silt, trace organics; 10-35 Brown silty f. to c. Sand and Gravel; 35-90 Brown to gray f. to m. Sand, silty sand seams with organics at 55; 90-100 Silt with f. to c. sand and some gravel, dense (Till); 100-102 Silt, trace sand, dense.
BM 849	0-24 ft Fill; 24-31 gray Clay, high organic content; 31-39 gray f. to m. Sand, some silt; 39-49 gray silty f. to c. Sand and Gravel; 49-53 gray f. Sand; 53-74 gray Silt with some red clay layers, trace organics at 54, stones at 68; 74-113 gray f-m. sandy Silt, trace gravel at 112, more dense 108-113; 113- 125 gray f. Sand and Silt, some angular gravel, dense (Till).
BM 850	0-21 ft Fill; 21-29 gray to black silty clay with organic material; 29-36 gray sandy silt, some organics, soft.

Current USGS well number (fig. 2)	Other site names		Site identification number in USGS NWIS database	Date drilled	Latitude* (NAD 83)	Longitude* (NAD 83)	Well depth (ft)	Depth of casing (ft or screen if so stated)	Casing dia- meter (in.)	Land surface altitude (ft)	Aquifer type	Water level below land surface (ft)
	Name and (or) number used by well owner or in source reports	Well number on maps in Randall (1972)										
BM 851	MW-25D	---	420448076053901	7/1/1991	42° 4' 47.645" N	76° 5' 39.175" W	137	Screen 127- 137	2	821.4	Sand	22.6
BM 852	MW-26	---	420452076053001	6/24/1991	42° 4' 51.642" N	76° 5' 30.474" W	37	Screen 25-35	2	820.7	Sand and gravel	22.1
BM 853	MW-29	---	420518076052401	6/21/1991	42° 5' 17.505" N	76° 5' 24.234" W	30	Screen 20-30	2	814	Sand and gravel	14.3
BM 854	MW-4	---	420503076051501	12/20/1989	42° 5' 2.698" N	76° 5' 15.485" W	97	Screen 91-96	2	815.7	F. to m. sand	9.68
BM 855	MW-5	---	420500076051801	1/12/1990	42° 4' 59.895" N	76° 5' 17.971" W	23.5	Screen 18-23	2	819	Sandy silt	8.9
BM 856	MW-6D	---	420459076052201	1/11/1990	42° 4' 58.615" N	76° 5' 22.402" W	94	Screen 88-93	2	828	Sandy gravel	27.7
BM 857	MW-7	---	420449076052601	1/18/1990	42° 4' 49.451" N	76° 5' 26.498" W	25	Screen 19-24	2	820.8	Sandy silt	12.77
BM 858	MW-8D	---	420446076052701	1/11/1990	42° 4' 46.107" N	76° 5' 27.468" W	155	Screen 139- 154	2	821.9	Sand and gravel	21.46
BM 859	Steven's Trailer Park	---	420348076063101	1985	42° 3' 47.906" N	76° 6' 31.209" W	214	119	---	861	Bedrock	---
BM 860	P-6	---	420510076051901	7/17/1981	42° 5' 9.938" N	76° 5' 19.457" W	102	---	---	813.5	---	---
BM 861	P-5	---	420510076051801	7/17/1981	42° 5' 9.712" N	76° 5' 18.359" W	102	---	---	821	---	---
BM 862	P-10	---	420510076052201	7/17/1981	42° 5' 10.234" N	76° 5' 22.169" W	102	---	---	822	---	---
BM 863	P-3	---	420510076052101	7/9/1981	42° 5' 9.795" N	76° 5' 20.952" W	102	---	---	821	---	---
BM 864	P-4	---	420509076051901	7/16/1991	42° 5' 9.039" N	76° 5' 19.211" W	101	---	---	822	---	---
BM 865	P-2	---	420509076052202	7/10/1981	42° 5' 9.480" N	76° 5' 22.501" W	102	---	---	821	---	---
BM 866	P-13	---	420509076052102	7/16/1991	42° 5' 8.665" N	76° 5' 21.350" W	101	---	---	828	---	---
BM 868	B-3	---	420508076045801	6/1983	42° 5' 7.795" N	76° 4' 57.713" W	55	Screen 50-55	2	818	Sand	23.66
BM 869	B-4	---	420511076050901	6/1983	42° 5' 10.801" N	76° 5' 9.035" W	50	Screen 45-50	2	814.3	Sand	15.85

Current USGS well number (fig. 2)	Water level altitude (ft)	Date water level measured	Depth to bedrock (ft)	Altitude top of bedrock (ft)	Reported yield (gal/min)	Driller	Source of information
BM 851	798.8	7/29/1991	---	<659	---	Empire Soils Investigations	Lozier/Ground Water Associates (1992)
BM 852	798.6	7/29/1991	---	<784	---	Empire Soils Investigations	Lozier/Ground Water Associates (1992)
BM 853	799.7	7/29/1991	---	<764	---	Empire Soils Investigations	Lozier/Ground Water Associates (1992)
BM 854	806	2/26/1990	---	<714	---	Rochester Drilling	Lozier/Ground Water Associates (1992)
BM 855	810.1	2/26/1990	---	<792	---	Rochester Drilling	Lozier/Ground Water Associates (1992)
BM 856	800.4	1/12/1990	---	<726	---	Rochester Drilling	Lozier/Ground Water Associates (1992)
BM 857	808	2/26/1990	---	<794	---	Rochester Drilling	Lozier/Ground Water Associates (1992)
BM 858	800.4	1/12/1990	---	<640	---	Rochester Drilling	Lozier/Ground Water Associates (1992)
BM 859	---	---	119	742	25	R.W. Edson	Driller's records
BM 860	---	---	---	---	---	Empire Soils Investigations	Goldberg-Ziono Associates (1987)
BM 861	---	---	---	---	---	Empire Soils Investigations	Goldberg-Ziono Associates (1987)
BM 862	---	---	---	---	---	Empire Soils Investigations	Goldberg-Ziono Associates (1987)
BM 863	---	---	---	---	---	Empire Soils Investigations	Goldberg-Ziono Associates (1987)
BM 864	---	---	---	---	---	Empire Soils Investigations	Goldberg-Ziono Associates (1987)
BM 865	---	---	---	---	---	Empire Soils Investigations	Goldberg-Ziono Associates (1987)
BM 866	---	---	---	---	---	Empire soils Investigations	Goldberg-Ziono Associates (1987)
BM 868	---	---	---	---	---	Catoh Environmental Services	Adams and Grant (1984)
BM 869	---	---	---	---	---	Catoh Environmental Services	Adams and Grant (1984)

Current USGS well number (fig. 2)	Remarks/Log data
BM 851	0-2.5 ft Topsoil; 2.5-23.5 Silty Clay, trace organics 6-8; 23.5-32 Brown Sand and Gravel; 32-111.5 gray-brown f. to c. Sand, some gravel decreasing to none below 90, some silt; 111.5-120 gray f. to m. Sand and Gravel, trace clay; 120-150 gray f. to m. Sand with trace angular gravel, increasing below 140; 150-162 gray sandy clay with subangular gravel, sand and clay lenses (Till).
BM 852	0-9.5 ft Fill; 9.5-20 gray-brown clayey Silt, trace gravel; 20-30 gray f. to c. silty Sand, some black organic matter, trace gravel; 30-37 gray f. to c. Sand and f. Gravel.
BM 853	0-7 ft Brown Silt, trace f. sand and clay; 7-11 gray to brown f. to m. silty Sand, firm; 11-27 gray f. to c. Sand and Gravel, trace silt and organics; 27-37.5 gray silty f. Sand, loose; 37.5-50 gray silty Gravel, some f-c. Sand.
BM 854	0-16.5 ft Fill, garbage; 16.5-19.5 f-c. sand, some silt and organics; 19.5-45 gray silty clay, some organics, varved, soft; 45-51 gray f-c. sand and gravel, dense; 51-95.5 gray clayey silt, some f-m. sand below 75; 95-102 gray sandy silt with gravel, very dense (till).
BM 855	0-16 ft Brown to mottled gray/brown f. sand and silt; 16-27 gray silt and fine to medium sand, occasional f. sand seams.
BM 856	0-15 ft Fill, some garbage; 15-24 gray/brown f. sand and silt; 24-26 Tan clay, little silt and f. sand, soft; 26-41 gray sandy silt, thin clay layers, some organics, 41-64 gray silt, little vf. sand, thin clay layers, soft; 64-83 gray f-c. sand, increasing silt with depth; 83-102 gray f-c. sand and gravel, some silt, loose except denser 90-96.
BM 857	0-17 ft Fill, garbage; 17-25 gray/black f. sandy silt; 25-27 gray fine gravel, some silt and sand.
BM 858	0-15 ft Fill, garbage; 15-17 gray silty m-c. sand; 17-30 Silty clay and silty f. sand, some organics; 30-50 gray m-c. sand, gravel, silt matrix; 50-90 gray f-m. sand, increasing silt with depth, some organics at 51; 90-95 Silty clay, dense, thin sand layers, soft; 95-110 gray silty f-m sand; 110-135 brown f-c sand and gravel, silt matrix; 135-165 gray f-c. sand and gravel, some silt; 165-182 Till.
BM 859	Location approximate - no log.
BM 860	0-4 ft Silt, sand, embedded gravel, brown; 4-11 Organic silt, gray; 11-13 F. sand, some silt, gray; 13-18 Sand and gravel, little silt, gray; 18-53 M-f. sand, some to little silt, brown to 30, gray below; 53-64 Sand and gravel, some silt, brown; 64-73 M-f. sand, little f. gravel and silt, gray; 73-78 Sand and gravel, little silt, gray; 78-102 m-f. sand and silt, little embedded f. gravel.
BM 861	0-10 ft M-f. sand and gravel, little silt, brown; 10-16 M-f. sand, some silt, little organics, brown; 16-21 Organic silt, little f. sand and f. gravel, gray; 21-26 Sand and gravel, little silt, gray-brown; 26-53 M-f. sand, little silt, gray; 53-70 Sand and gravel, some to little silt, occasional seams m-f. sand, gray; 70-102 M-f. sand and silt, little embedded gravel, gray.
BM 862	0-11 ft Fill; 11-18 Silt, little clay and organics; 18-27 Gravel and sand, little silt and wood, brown; 27-34 f. sand, some silt, brown; 34-40 Sand and gravel, little silt, gray; 40-64 f. sand, some silt, brown; 64-69 F. sand and silt, gray; 69-89 Silt and sand, embedded f. gravel at 73, running sand at 70,75,80,86 despite casing full of water; 89-102 sand and gravel, little silt.
BM 863	0-13 ft Silt, gravel, sand, and clay, trace organics, gray; 13-20 Silt, some f. sand, little f. gravel and wood; 20-30 Sand and gravel, little to some silt, gray-brown, seam of brown m-f. sand at 26; 30-43 Sand, some(top) to trace gravel; 43-53 M-f. sand, gray, running sand at 46 ft; 53-68 F. sand, little silt, running sand at 61 ft; 68-102 Sand and gravel, some to little silt, rock fragments 68-75.
BM 864	0-9 ft Silt, sand, f. gravel, trace organics; 9-17 Silt, f. sand, some f. gravel 9-15, brown; and silt, little clay, gray; 17-25 Sand and gravel, little silt, trace organics, gray; 25-37 M-f. sand, trace silt, little gravel, brown; 37-54 Sand & silt, little f. gravel; 54-64 Sand & f. gravel, little silt, gray; 64-80 Sand, little to some silt and f. gravel, g ray; 80-101 Silt & sand, some f. gravel, gray, very compact.
BM 865	0-17 ft Silt and sand, embedded f. gravel, seam of silt and some clay at 16; 17-28 Sand and gravel, little silt and clay, seam of silt with some f. sand and clay at 18, running sand at 24; 28-44 M-f. sand, some f. gravel at 30; 44-75 Sand, some embedded f. gravel, some to little silt, compact; 75-102 Sand, some embedded gravel, little to trace silt, compact, seams of fine sand near top.
BM 866	0-5 ft Silt, f. sand and gravel; 5-13 Organic silt, gray-brown; 13-18 Sand, silt, embedded gravel; 18-23 Silt, gray, possibly organic, little f. sand; 23-30 Sand and fine gravel, some silt, gray; 30-33 Sand, brown; 33-63 M-f. sand, little silt, gray, occasional seams fine sand and silt; 63-101 Silt and sand, some embedded gravel, brown, occasional seams sand and silt.
BM 868	0-9 ft Brown f. Silt; 9-15 Brown c. to m. Sand, some m. to f. Gravel; 15-45 m. to f. Gravel, some brown m. to f. sand; 45-55 gray-brown m. to f. Sand, trace gravel; 55-60 Brown f. Sand, trace c. sand.
BM 869	0-10 ft Brown Clay; 10-28 gray Clay, some silt; 28-30 Gravel; 30-40 Brown f. Sand and silt, some clay; 40-50 gray m. to f. Sand, trace m. gravel.

Current USGS well number (fig. 2)	Other site names		Site identification number in USGS NWIS database	Date drilled	Latitude* (NAD 83)	Longitude* (NAD 83)	Well depth (ft)	Depth of casing (ft or screen if so stated)	Casing dia- meter (in.)	Land surface altitude (ft)	Aquifer type	Water level below land surface (ft)
	Name and (or) number used by well owner or in source reports	Well number on maps in Randall (1972)										
BM 870	B-6	---	420527076045901	6/1983	42° 5' 26.832" N	76° 4' 59.199" W	40	Screen 35-40	2	829	Sand and gravel	23.35
BM 871	B-7	---	420517076045201	6/1983	42° 5' 16.761" N	76° 4' 51.922" W	50	---	---	813	---	---
BM 872	B-8	---	420514076045701	6/1983	42° 5' 13.913" N	76° 4' 57.433" W	28	Screen 23-28	2	820	Sand and gravel	24.35
BM 873	EW-10	---	420506076045901	9/26/1986	42° 5' 6.049" N	76° 4' 59.020" W	95	Screen 85-95	2	817.9	Sand and gravel	---
BM 874	EW-11	---	420509076052402	10/1/1986	42° 5' 8.929" N	76° 5' 23.505" W	80	Screen 70-80	2	821.6	Sand	---
BM 875	EW-12A	---	420507076051501	12/16/1986	42° 5' 6.865" N	76° 5' 14.933" W	127.5	None	---	820.7	---	---
BM 876	EW-4	---	420511076045901	8/11/1986	42° 5' 11.258" N	76° 4' 58.770" W	37	Screen 27-37	2	819.5	Sand and gravel	---
BM 877	EW-6	---	420507076051401	9/8/1986	42° 5' 6.852" N	76° 5' 14.127" W	86	Screen 76-86	2	813.4	Sand and Gravel	---
BM 878	EW-7	---	420511076051801	9/11/1986	42° 5' 10.891" N	76° 5' 18.437" W	709	Screen 60-70	2	813.2	F. sand and silt	---
BM 879	---	---	420540076030801	10/8/1987	42° 5' 40.80" N	76° 3' 8.35" W	175	Screen 165- 175	2	809	Gravel and sand	---
BM 880	N-1	---	420505076052002	7/25/1969	42° 5' 4.665" N	76° 5' 19.661" W	107	---	---	821	---	---
BM 881	N-2	---	420505076052001	7/28/1969	42° 5' 5.249" N	76° 5' 20.333" W	100	---	---	822	---	---
BM 882	N-3	---	420507076052301	7/30/1969	42° 5' 7.297" N	76° 5' 22.513" W	102	---	---	822	---	---
BM 883	N-4	---	420506076052301	8/1/1969	42° 5' 6.202" N	76° 5' 22.710" W	92	---	---	813	---	---
BM 884	N-5	---	420507076052401	7/31/1969	42° 5' 7.445" N	76° 5' 23.883" W	102	---	---	813	---	---
BM 885	P-1	---	420508076052401	7/15/1981	42° 5' 8.391" N	76° 5' 23.626" W	102	---	---	822	---	---
BM 886	P-11	---	420509076052301	7/14/1981	42° 5' 9.019" N	76° 5' 23.061" W	102	---	---	822	---	---
BM 887	P-12	---	420509076052201	7/14/1981	42° 5' 8.912" N	76° 5' 22.463" W	101	---	---	822	---	---
BM 888	P-9	---	420509076052403	7/15/1981	42° 5' 9.235" N	76° 5' 24.029" W	102	---	---	819	---	---
BM 889	S1	---	420517076030701	3/28/1985	42° 5' 16.747" N	76° 3' 6.830" W	25	Screen 20-25	2	827	Sand and gravel	22

Current USGS well number (fig. 2)	Water level altitude (ft)	Date water level measured	Depth to bedrock (ft)	Altitude top of bedrock (ft)	Reported yield (gal/min)	Driller	Source of information
BM 870	---	---	---	---	---	Catoh Environmental Services	Adams and Grant (1984)
BM 871	---	---	---	---	---	Catoh Environmental Services	Adams and Grant (1984)
BM 872	---	---	---	---	---	Catoh Environmental Services	Adams and Grant (1984)
BM 873	---	---	---	---	---	Empire Soils Investigations	Goldberg-Zoino Associates (1987) and Lozier/Ground Water Associates (1992)
BM 874	---	---	---	---	---	Empire Soils Investigations	Goldberg-Zoino Associates (1987)
BM 875	---	---	---	---	---	Empire Soils Investigations	Goldberg-Zoino Associates (1987)
BM 876	---	---	---	---	---	Empire Soils Investigations	Goldberg-Zoino Associates (1987)
BM 877	---	---	---	---	---	Empire Soils Investigations	Goldberg-Zoino Associates (1987)
BM 878	---	---	---	---	---	Empire Soils Investigations	Goldberg-Zoino Associates (1987)
BM 879	---	---	172	637	---	Catoh Environmental Co.	Report from driller
BM 880	---	---		---	---	Empire Soils Investigations	Goldberg-Zionno Associates (1987)
BM 881	---	---	---	---	---	Empire Soils Investigations	Goldberg-Zionno Associates (1987)
BM 882	---	---	---	---	---	Empire Soils Investigations	Goldberg-Zionno Associates (1987)
BM 883	---	---	---	---	---	Empire Soils Investigations	Goldberg-Zionno Associates (1987)
BM 884	---	---	---	---	---	Empire Soils Investigations	Goldberg-Zionno Associates (1987)
BM 885	---	---	---	---	---	Empire Soils Investigations	Goldberg-Zionno Associates (1987)
BM 886	---	---	---	---	---	Empire Soils Investigations	Goldberg-Zoino Associates (1987)
BM 887	---	---	---	---	---	Empire Soils Investigations	Goldberg-Zoino Associates (1987)
BM 888	---	---	---	---	---	Empire Soils Investigations	Goldberg-Zionno Associates (1987)
BM 889	805.4	4/23/1985	46	---	---	---	Ecology and Environment (1986)

Current USGS well number (fig. 2)	Remarks/Log data
BM 870	0-15 ft Brown m. to c. Sand, f. to m. Gravel, wet at 10 ft; 15-25 Brown f. to m. Sand, some red clay and silt; 25-41 Brown f. Sand; f.- c. Gravel, some silt; 41-50 gray Clay.
BM 871	0-18 ft gray-brown Silt, little clay; 18-19 m. Gravel, wet; 19-50 gray Clay. Test hole, abandoned and backfilled.
BM 872	0-24 ft Brown Silt; 24-26 m. to c. Gravel; 26-28 m. Gravel, c. Brown Sand; 28-40 gray Clay.
BM 873	0-21 ft Brown to gray clayey Silt, some f. sand, plastic; 21-101 gray Sand and Gravel, trace to little silt.
BM 874	0-12 ft Fill; 12-20 gray clayey Silt, soft; 20-86 Brown and gray f-c. Sand and Gravel, trace to little silt, dense.
BM 875	[No samples 0-80 ft due to broken casing, log inferred] 0-20 ft Fill; 20-23 sand and gravel; 23-62 clayey silt; 62-80 sand and gravel; 80-110 gray f-c. sand and gravel; 110-120 gray f-c. sand, some gravel, little clayey silt, dense; 120-127 f-c. sand, some gravel, trace silt. Hole abandoned and grouted.
BM 876	0-8 ft Brown Silt and fine Sand; 8-35 Brown f-c. Sand and gravel; 35-65 brown to gray-brown f-c. sand, little gravel above 50; 65-79 Brown fine sandy silt grades to clayey silt, with some layers of red clay throughout.
BM 877	0-14 ft gray Clay and Silt, some f-c. sand; 14-18 Brown f-c. sand and Gravel; 18-61 gray clayey Silt (kettle deposit?) soft, some f-c. Sand and gravel near bottom; 61-101 gray to brown f-c. Sand and Gravel, trace to little silt.
BM 878	0-10 ft Fill; 10-22 Brown f-m. Sand grading to f-c. Sand and Gravel, trace silt; 22-70 Brown f. Sand, little silt below 54; 70-79 gray f-c. sand, some silt, very dense; 79-100 gray Silt and Clay, trace f-c. sand, some f-c. sand below 85; 100-102 gray dense f-c. Sand, some gravel, little silt.
BM 879	0-15 ft Brown silt; 15-25 Brown silty gravel, little sand; 25-35 Brown f. sand, little gravel; 35-45 Brown c-m. sand, little gravel; 45-68 Cobbles, gravel, sand; 68-90 gray c-f. sand, some f. gravel; 90-95 gray gravel & c-f. sand, silty clay; 95-99 Clayey silt; 99-127 Clayey sand, little gravel; 127-142 Gravel, clayey silt; 142-157 gray f-c sand; 157-165 Cobbles, silty clay; 165-172 gray c-f. sand; 172-184 shale.
BM 880	0-15 ft FILL; 15-20 Silt, brown, little rock fragments; 20-25 Sand and gravel, little silt and rock fragments, trace organic; 25-90 Silt, little fine sand and organic, compressible, gray; 90-100 Rock fragments, some silt, little gravel, gray, compact, sand and gravel ran up casing at 95; 100-107 Sand, little silt, little rock fragments and gravel.
BM 881	0-15 ft Silt, little sand, fibers, gravel, rock fragments; 15-20 Silt, some rock fragments; 20-55 Silt, little fine sand, little organic; 55-65 Gray rock fragments, some silt, little gravel; 6-inch boulder at 60 ft; 65-80 Sand, some silt, little gravel, grading to little silt, trace gravel at 75; 80-100 Sand and gravel, some silt, brown, firm to very compact.
BM 882	0-15 ft Silt, some rock fragments and gravel, little to some sand; 15-35 Sand and gravel, some silt, brown; 35-40 Sand, some silt, little gravel, brownish gray; 40-50 Sand and c. gravel, little to some silt, brownish gray; 50-95 Sand, some silt, some gravel at 55, gray below 65, very compact below 80; 95-102 Silt, gray, some sand, very compact, some gravel 100-102.
BM 883	0-10 ft Silt, little to some sand, trace fibers, brown; 10-15 Sand, some silt and gravel, brownish gray; 15-25 Sand and gravel, some silt, gray; 25-45 Sand, some silt, gray; 45-70 Sand, some silt, trace to little gravel; 70-92 Silt, some to little embedded sand, gravel, and rock fragments.
BM 884	0-10 ft Silt, little fine sand, trace organic, brown; 10-20 Sand and gravel, some silt; 20-27 Silt, some sand, little f. gravel, gray-brown; 27-35 Sand and gravel, little silt, brown; 35-50 Silt, sand and gravel, brown-gray; 50-65 Sand, gray, some silt; 65-75 Silt, some embedded sand and gravel, gray; 75-102 Sand, some silt, gray, some embedded gravel 80- 85.
BM 885	0-15 ft Silt, sand, fine gravel, trace organics, gray; 15-19 Silt & f. sand, loose, gray-brown; 19-50 Sand & gravel, brown; little silt, gray below 40; 50-60 Sand, silt, embedded f. gravel near top, gray; 60-70 F. sand, silt seams, brown; 70-75 Silt and sand, little embedded gravel, brown; 75-86 Sand & gravel, some silt, brown, sand ran up casing at 80 - 86 ft; 86-102 Sand, silt, embedded gravel.
BM 886	0-5 ft Fill; 5-13 Silt, sand, embedded gravel, trace organic, gray-brown; 13-24 Silt, sand, embedded gravel, brown; 24-35 Sand and gravel, some silt, brown; 35-43 F. sand, little silt, gray; 43-59 Sand and gravel, some silt, gray; 59-65 Silt, sand, embedded gravel, brown; 65-73 Sand, some f. gravel, little silt, brown; 73-102 Sand, some silt, little fine gravel, brown, seams gray silt & sand.
BM 887	0-14 ft Silt, sand, embedded fine gravel, brown to gray; 14-17 Silt and fine sand, gray, loose; 17-24 Silt, sand with embedded gravel, gray-brown; 24-39 M-f. sand, little gravel at 30, brown; 39-49 M-f. sand, little silt, gray; 49-87 Sand and gravel, some silt. brown; 87-102 Silt, sand with embedded gravel, very compact.
BM 888	0-9 ft FILL; 9-14 Organic silt; 14-28 Sand and gravel, gray, some (top) to little silt; 28-51 F. sand, gray; some silt near base; 51-55 Sand, gravel, rock fragments, gray; 55-69 Silt, sand, embedded gravel, Sand ran up the casing despite full head of water; 69-102 F. sand and silt, little embedded f. gravel. Sand coarser below 85.
BM 889	0-7 ft Fill; 7-12 Brown f. sand and gravel; 12-15 Brown silty Clay; 15-23 Brown m. Gravel and f. to c. Sand; 23-30 Brown m. to f. Sand, silt, and gravel; 30-35 Brown silty Clay with sand and gravel (Till); 35-46 gray silty Clay with sand and gravel (Till); 46-48 gray Shale bedrock.

Current USGS well number (fig. 2)	Other site names		Site identification number in USGS NWIS database	Date drilled	Latitude* (NAD 83)	Longitude* (NAD 83)	Well depth (ft)	Depth of casing (ft or screen if so stated)	Casing dia- meter (in.)	Land surface altitude (ft)	Aquifer type	Water level below land surface (ft)
	Name and (or) number used by well owner or in source reports	Well number on maps in Randall (1972)										
BM 890	S11	---	420520076030801	4/1/1985	42° 5' 19.671" N	76° 3' 8.375" W	40	Screen 35-40	2	823	Gravel and sand	19.8
BM 891	S2	---	420522076052201	4/19/1985	42° 5' 21.556" N	76° 3' 6.218" W	32	Screen 27-32	2	825	Silt, sand, gravel	20.3
BM 892	S6	---	420524076025701	4/1985	42° 5' 24.197" N	76° 2' 56.530" W	41	Screen 36-41	2	823	Gravel and sand	13.9
BM 893	S7	---	420523076030101	4/10/1985	42° 5' 22.530" N	76° 3' 0.533" W	32	Screen 27-32	2	824	Sand and gravel	17.75
BM 894	S8	---	420519076025301	4/1/85	42° 5' 18.827" N	76° 2' 52.814" W	25	Screen 20-25	2	832	Glacial till	7.25
BM 897	EN-69	---	420622076030901	7/16/1980	42° 6' 22.180" N	76° 3' 9.397" W	22	Screen 8-22	2	836.6	Gravel and sand	~8
BM 898	EN-1	---	420619076031101	8/23/1979	42° 6' 18.597" N	76° 3' 11.008" W	15	Screen 7-15	4	838.8	Gravelly sand	~14.5
BM 899	EN-66	---	420617076031301	7/17/1980	42° 6' 17.492" N	76° 3' 12.695" W	12	Screen 12-38	4	839.9	Fine sand	~16.
BM2308	---	57-11b	420457076041101	2/5/1963	42° 4' 57.507" N	76° 4' 9.904" W	40	---	---	818	---	---
BM2310	NYDOT S1-3	07-11b	420407076061101	4/26/1972	42° 4' 7.495" N	76° 6' 10.561" W	91	---	---	834	---	---
BM2311	NYDOT S1-8	09-12b	420409076061201	4/4/1962	42° 4' 9.087" N	76° 6' 11.270" W	82	---	---	826	---	---
BM2357	NYDOT S4-7	21-09b	420521076030901	3/18/1962	42° 5' 21.639" N	76° 3' 7.767" W	100	---	---	833	---	---
BM2358	NYDOT S4B-11	17-15b	420517076031501	7/12/1963	42° 5' 17.883" N	76° 3' 13.187" W	100	---	---	824	---	---
BM2359	---	49-17b	420549076031701	5/26/1964	42° 5' 49.248" N	76° 3' 15.640" W	62	---	---	826	---	---
BM2360	---	50-19b	420550076031901	5/29/1964	42° 5' 50.269" N	76° 3' 17.727" W	62	---	---	821	---	---
BM2361	---	49-22b	420549076032201	6/2/1964	42° 5' 49.38" N	76° 3' 22.13" W	62	---	---	820	---	---
BM2362	---	51-23b	420551076032301	5/28/1964	42° 5' 51.257" N	76° 3' 21.714" W	62	---	---	820	---	---
BM2363	---	52-24b	420552076032401	5/28/1964	42° 5' 52.213" N	76° 3' 22.766" W	62	---	---	820	---	---
BM2364	---	47-25b	420547076032501	5/28/1964	42° 5' 47.44" N	76° 3' 24.68" W	62	---	---	822	---	---
BM2365	---	44-27b	420544076032701	5/27/1964	42° 5' 44.37" N	76° 3' 27.41" W	62	---	---	825	---	---
BM2366	---	53-28b	420553076032801	---	42° 5' 53.291" N	76° 3' 26.687" W	---	---	---	822	---	---
BM2367	---	04-40b	420504076034001	---	42° 5' 4.187" N	76° 3' 38.260" W	60	---	---	810	---	---
BM2368	NYDOT S3-5	07-48b	420507076034801	5/10/1962	42° 5' 7.968" N	76° 3' 46.033" W	126	---	---	811	---	---

Current USGS well number (fig. 2)	Water level altitude (ft)	Date water level measured	Depth to bedrock (ft)	Altitude top of bedrock (ft)	Reported yield (gal/min)	Driller	Source of information
BM 890	802.98	4/23/1985	---	---	---	---	Ecology and Environment (1986)
BM 891	804.43	4/23/1985	---	---	---	---	Ecology and Environment (1986)
BM 892	808.81	4/23/1985	---	---	---	---	Ecology and Environment (1986)
BM 893	806.19	4/23/1985	---	---	---	---	Ecology and Environment (1986)
BM 894	825.23	4/23/1985	---	---	---	---	Ecology and Environment (1986)
BM 897	828.6	9/28/1980	---	---	---	---	Soils technician log from Dames and Moore
BM 898	824.3	10/09/79	---	---	---	---	Soils technician log from Dames and Moore
BM 899	823.9	09/29/80	---	---	---	---	Soils technician log from Dames and Moore
BM2308	---	---	---	---	---	NYS DOT	NYS DOT records
BM2310	820.5	4/26/1962	---	---	---	---	NYSDOT records
BM2311	822.7	4/4/1962	---	---	---	---	USGS Sample study
BM2357	810.8	3/18/1962	---	---	---	Empire Soils Investigations	USGS sample study (15-92 ft)
BM2358	---	---	---	---	---	---	USGS sample study
BM2359	---	---	---	---	---	Empire Soils	Soils technician log
BM2360	---	---	---	---	---	Empire Soils	Soils technician log
BM2361	---	---	---	---	---	Empire Soils	Soils technician log
BM2362	---	---	---	---	---	Empire Soils	Soils technician log
BM2363	---	---	---	---	---	Empire Soils	Soils technician log
BM2364	---	---	---	---	---	Empire Soils	Soils technician log
BM2365	---	---	---	---	---	Empire Soils	Soils technician log
BM2366	---	---	---	---	---	Empire Soils	Soils technician log
BM2367	---	---	---	---	---	---	B. Fine, drilling Supt.
BM2368	810.2	---	---	---	---	Empire Soils	Soils technician log from NYDOT records

Current USGS well number (fig. 2)	Remarks/Log data
BM 890	0-13 ft Brown silty Clay; 13-25 Gravel and m. to c. Sand; 25-30 Brown f. to m. Sand; 30-50 Brown Gravel and m. Sand.
BM 891	0-8 ft Fill; 8-16 gray silty Clay; 16-20 Brown silty f. Sand; 20-30 gray Silt; 30-40 gray silty Clay with sand and gravel; 40-50 gray Clay; 50-52 c. Sand.
BM 892	0-20 ft Brown silty Clay; 20-25 Brown m. Gravel with sand and silt; 25-35 Brown f. Gravel and c. Sand; 35-45 Brown-gray m. Gravel, sand, silt; 45-49 gray c to f. Sand.
BM 893	0-2 ft Fill; 2-25 gray silty Clay; 25-27 gray f. Sand with silt and gravel; 27-38 m. Gravel with f. to c. Sand; 38-40 gray Shale bedrock.
BM 894	0-1.5 ft Fill; 1-5-12 Brown and gray mottled silty Clay; 12-37 Silty clay Till with sand and gravel, brown 12-30, brown-gray below; 37-40 gray Shale.
BM 897	0-4 ft Fill; 4-6 Brown silty Sand, some f. to c. gravel and silty clay; 6-10 Brown clayey silt, f.-c. sand and f.-c. gravel, some cobbles; 10-12 gray f. to c. Gravel, with little f. to c sand; 12-16 f.-c. sand, some silt; 16-19 gray m. to c. Sand, trace f. gravel, some silt 18-19; 19-22 gray laminated silt with occasional pink clay seams.
BM 898	0-7 ft Fill; 7-14.5 Brown f. to m. Sand, two lenses of gravel; 14.5-16 Tan laminated silt with reddish clay layers; 16 -24 gray laminated Silt, soft.
BM 899	0-3 ft Fill; 3-16 Brown f. to m. Sand, with silt and gravel amounts varying throughout; 16-18 Brown c. Sand, lenses of f. Gravel with little silt; 18-20 Silt and m. Sand, grading to vf. Sand, trace silt; 20-36 gray vf. Sand, with thin layers of pink clay below 32; 36-40 gray laminated silt with occasional pink clay seams.
BM2308	0-8 ft Silt, trace clay; 8-16 Silt, some organics, trace clay; 16-20 Peat; 20-32 Silt, some organics and peat; 32-40 Silt, trace clay.
BM2310	0-13 ft Fill; 13-24 Brown f. to m. Sand, trace silt; 24-28 Brown m. Sand, some silt, trace gravel, loose; 28-33 gray Silt, trace clay, firm; 33-65 gray Silt, trace f. sand and clay, loose; 65-91 gray Sand and f. Gravel, some silt, compact. [The f.-m. sand (BM2310) and silt (BM2311) extend much deeper than 26 ft in nearby test holes farther south.]
BM2311	0-10 ft Silty sandy Gravel, drab; 10-26 Silt, olive 5Y 5/4, a few red clay laminations; 26-55 Sandy silty Gravel, drab, interbedded pebbly silty m.-vc. Sand, dense, brownish olive gray (10YR-5Y 5/2); 55-70 f. to vc. pebbly, moderately silty Sand, drab; 70-82 silty to very silty Sand. Sand and gravel all shale and siltstone 0-10 and 26-70.
BM2357	0-15 ft Fill; 15-37 vf. sand & silt, silt layers; 37-64 silt, thin red clay layers, a little f.-vf. sand and a few pebbles 37-47; 64-69 Gravel, some m.-vc. sand, drab; 69-75 drab f.-c. sand, layers of laminated silt; 75-86 silt, some vf. sand, olive gray, silty vf. sand layers; 86-95 gravel, drab, poorly rounded, layers loose m.-vc sand; 95-100 weathered shale. Non-calcareous 15-47, calcareous below.
BM2358	0-10 ft Brown Silt; 10-34 Brown sandy Gravel, very bright, some silt; 34-50 Brown Silt, interbedded with f.-vf. sandy silt; 50-70 f.-m. Sand, some coarse sand, silty, drab; 70-80 very silty f.-c. drab shale-grain sand; 80-85 Silt and vf. Sand; 85-98 silty drab shale-grain sand, m.-vf. (top) to vc.-vf (bottom); 98-99 gray Till.
BM2359	0-25 ft Fill, some peat near bottom; 25-27 gray m. Sand, some gravel and silt; 27-38 gray m. Sand, some gravel; 38-45 gray f. to m. Sand, little silt, compact; 45-55 gray-brown Silt and vf. Sand, firm; 55-62 gray-brown Silt, firm.
BM2360	0-15 ft Fill; 15-45 Black-gray Peat interbedded with gray silt; 45-49 gray Silt and vf. Sand; 49-53 gray f. Sand, some silt, firm; 53-62 gray Sand and Gravel, little silt, compact.
BM2361	0-25 ft Fill; 25-30 Black-gray fibrous Peat; 30-36 gray-black organic silt; 36-50 gray Silt, some f. sand, loose; 50-53 gray f. to m. Sand, trace silt; 53-62 Brown sand and gravel, little silt, firm.
BM2362	0-15 ft Fill; 15-37 Black Peat interbedded with gray-brown organic silt; 37-48 gray Silt and vf. Sand; 48-55 gray f. to m. Sand, some silt, firm; 55-62 gray-brown f. to m. Sand and gravel.
BM2363	0-11 ft Fill; 11-17 Black-gray peat and silt; 17-28 gray Silt, some f. sand, loose; 28-33 gray m. Sand, loose; 33-42 Brown m. Sand, some gravel, compact; 42-53 Brown f. to m. Sand, little silt, compact; 53-62 Brown f. to m. Sand, little gravel and silt.
BM2364	0.23 ft Fill; 23-32 Black fibrous peat; 32-42 gray f.-m. Sand and gravel, occasional silt layers, loose; 42-49 gray f.-m. sand and gravel, trace silt, firm; 49-56 gray m. sand, trace silt, firm; 56-62 gray m. sand, some gravel, trace silt, firm.
BM2365	0-14 ft Fill; 14-27 gray sand and gravel, trace silt, loose to firm; 27-44 gray-brown sand and gravel, little silt, firm; 44--52 Brown m. Sand, compact; 52-62 gray-brown sand and gravel, little silt, compact.
BM2366	0-15 ft Fill; 15-20 gray f. to m. Sand, some gravel and silt; 20-50 gray-black silt, firm; 50-62 gray Sand and Gravel, little silt, firm.
BM2367	0-2 ft Brown Silt, trace clay; 2-12 Brown f. to c. sand and f. to c. Gravel, silty, medium dense; 12-20 Brown Silt, loose; 20-60 gray Silt, some to little f. sand, trace laminated clay, loose to compact.
BM2368	0-14 ft Fill; 14-52 Brown f.-c. Sand and m.-c. Gravel, some silt; 52-73 gray silt, some soft clay; 73-90 gray f. Sand and Silt, loose; 90-115 gray f. sand, some silt, compact; 115-126 gray f. -m. Sand, some silt, compact. Similar logs from 11 nearby test holes for bridge, except one hole 60 ft west penetrated basal sand and gravel 708-698 ft elevation.

Current USGS well number (fig. 2)	Other site names		Site identification number in USGS NWIS database	Date drilled	Latitude* (NAD 83)	Longitude* (NAD 83)	Well depth (ft)	Depth of casing (ft or screen if so stated)	Casing dia- meter (in.)	Land surface altitude (ft)	Aquifer type	Water level below land surface (ft)
	Name and (or) number used by well owner or in source reports	Well number on maps in Randall (1972)										
BM2369	NYDOT DH-7	01-04b	420501076040401	2/21/1963	42° 5' 7.968" N	76° 3' 46.033" W	48	---	---	809	---	---
BM2370	---	30-49b	420530076044901	1941	42° 5' 30.048" N	76° 4' 49.080" W	135	---	---	845	---	---
BM2371	---	11-06b	420511076050601	---	42° 5' 11.064" N	76° 5' 4.778" W	42	---	---	814	---	---
BM2375	---	01-14b	420501076051401	---	42° 5' 10" N	76° 5' 13" W	72	---	---	816	---	---
BM2377	---	02-15b	420502076051501	---	42° 5' 2.720" N	76° 5' 13.308" W	72	---	---	804	---	---
BM2382	---	04-18b	420504076051801	5/20/1964	42° 5' 4.854" N	76° 5' 16.684" W	92	---	---	808	---	---
BM2383	---	12-19b	420512076051901	---	42° 5' 12.544" N	76° 5' 18.206" W	32	---	---	813	---	---
BM2385	---	23-20b	420523076052001	---	42° 5' 23.009" N	76° 5' 19.450" W	31	---	---	814	---	---
BM2386	---	07-22b	420507076052201	---	42° 5' 7.049" N	76° 5' 20.421" W	72	---	---	810	---	---
BM2387	---	20-23b	420520076052301	---	42° 5' 20.421" N	76° 5' 20.903" W	62	---	---	809	---	---
BM2388	---	21-23b	420521076052301	---	42° 5' 21.271" N	76° 5' 21.782" W	52	---	---	812	---	---
BM2389	---	15-24b	420515076052401	---	42° 5' 14.951" N	76° 5' 22.278" W	32	---	---	814	---	---
BM2390	---	16-26b	420516076052601	---	42° 5' 15.805" N	76° 5' 24.913" W	52	---	---	810	---	---
BM2482	RDH 1-4	24-06b	420624076040601	10/16/1967	42° 6' 24.643" N	76° 4' 4.092" W	69	---	---	821	---	7.7
BM2483	DH E2	28-09b	420628076040901	12/15/1967	42° 6' 28.678" N	76° 4' 8.307" W	51	---	---	822	---	16
BM2484	DH 2-2	44-16b	420644076041601	9/21/1967	42° 6' 44.694" N	76° 4' 14.326" W	60	---	---	837	---	12
BM2485	DH E1	58-16b	420658076041601	2/26/1967	42° 6' 58.944" N	76° 4' 15.118" W	54	---	---	825	---	5.3
BM2555	MW-4D	---	420545076032201	9/1/2004	42° 5' 45.26" N	76° 3' 21.62" W	95	Screen 85-95	2	830	Sand and silt	18.3
BM2680	Airport Test Well	---	420422076055601	9/28/2013	42° 4' 21.7" N	76° 5' 56.4" W	145	142	6	806	Silty sand and gravel	20.1

* Each latitude and longitude exactly represents the location of that well site in figure 2, as calculated by ArcGIS from the map coordinates. Nearly all sites in figure 2, however, were plotted by scaling from older maps, including topographic maps on which well sites had been plotted by inspection and by pacing from landmarks and also including maps prepared by consultants where well sites were surveyed by optical methods or where the location method was not stated. Therefore, the latitude and longitude values reported in this table are probably no more accurate than to the nearest second as a representation of the actual location.

Current USGS well number (fig. 2)	Water level altitude (ft)	Date water level measured	Depth to bedrock (ft)	Altitude top of bedrock (ft)	Reported yield (gal/min)	Driller	Source of information
BM2369	---	---	---	---	---	---	Soils technician log from NYDOT records
BM2370	---	---	---	---	---	Rinbrand Well Drilling	Thesis by J. Ferris, USGS, 1944
BM2371	---	---	---	---	---	Empire Soils	Soils technician log
BM2375	---	---	---	---	---	Empire Soils	Soils technician log
BM2377	---	---	---	---	---	Empire Soils	Soils technician log
BM2382	---	---	---	---	---	Empire Soils	Soils technician log
BM2383	---	---	---	---	---	Empire Soils	Soils technician log
BM2385	---	---	---	---	---	Empire Soils	Soils technician log
BM2386	---	---	---	---	---	Empire Soils	Soils technician log
BM2387	---	---	---	---	---	Empire Soils	Soils technician log
BM2388	---	---	---	---	---	Empire Soils	Soils technician log
BM2389	---	---	---	---	---	Empire Soils	Soils technician log
BM2390	---	---	---	---	---	American Drilling	Soils technician log
BM2482	813.3	---	---	---	---	NYS Dept. Public Works	Soils technician log, NYS DPW records
BM2483	806	---	---	---	---	NYS Dept. Public Works	Soils technician log, NYS DPW records
BM2484	825	---	---	---	---	NYS Dept. Public Works	Soils technician log, NYS DPW records
BM2485	820	---	---	---	---	NYS Dept. Public Works	Soils technician log, NYS DPW records
BM2555	811.7	9/2004	---	---	---	ADT	Geologist log, Shaw Environmental and Infrastructure Engineering (2005)
BM2680	785.9	10/1/2013	---	<661	> 20	Nelapa Well Drilling	USGS observations and sample study

Current USGS well number (fig. 2)	Remarks/Log data
BM2369	0-2 ft Water; 2-11 Organic silt, clay; 11-16 Peat; 16-21 Clay, some peat; 21-48 silt, some clay.
BM2370	0-30 ft Clay, gravel, sand; 30-40 Sand and gravel; 40-135 Clay. Location approximate.
BM2371	0-13 ft Brown Silt, trace f. sand; 13-17 Brown Silt, some sand and gravel; 17-42 Brown sandy Gravel, little silt, firm.
BM2375	0-37 ft Gray f. sand, some silt, trace organics; 37-48 Gray Gravel, sandy, some silt.; 48-72 gray Sand and Grvel, trace silt, layers of m. to f. sand.
BM2377	0-5 ft Brown silt, some f. sand; 5-11 gray-brown Sand, some gravel, little silt; 11-35 gray Silt and f. sand, trace organics; 35-47 gray Silt, some f. sand; 47-72 gray f.-m. sand, little silt, firm.
BM2382	0-7 ft Brown Silt, some f. sand; 7-13 gray Silt, some f. gravel, trace f. sand; 13-78 gray Silt some f. sand, trace organics (wood at 65 ft); 78-88 gray f. Sand, some silt; 88-92 gray Silt, some f. sand, firm.
BM2383	0-7 ft Brown Silt, some sand, scattered gravel; 7-13 Brown sandy Gravel, little silt, firm; 13-20 Brown Sand and Gravel, trace silt, firm; 20-25 Brown f. to m. Sand, scattered gravel, firm; 25-32 Brown f. to m. Sand grading to f. sand and silt, firm.
BM2385	0-9 ft Brown Silt, some sand; 9-11 Silt, some f. sand, little gravel; 11-16 brown silt and f. sand, loose; 16-31 Brown f. to c. Sand, little gravel, trace silt, firm.
BM2386	0-7 ft F. sand; 7-13 Silt, some f. sand, trace gravel; 13-42 f. to m. Sand, little gravel, trace silt, loose; 42-52 f. to m. Sand and silt, some gravel, compact; 52-72 sandy Gravel, trace silt, compact.
BM2387	0-8 ft Brown f. Sand and silt; 8-19 Brown Sand, some gravel, trace silt, firm; 19-23 Brown f. to m. Sand; 23-30 Brown sandy Gravel, firm; 30-37 f. to c. Sand, firm; 37-48 gray Silt and Sand, some gravel, trace clay; 48-62 gray Clay and silt, some sand and gravel, v. compact.
BM2388	0-24 ft Brown sandy Gravel, loose-firm; 24-28 Brown Silt & vf. Sand, scattered gravel; 28-40 Brown vf. Sand, little gravel, trace silt, compact; 40-52 gray Silt & f. Sand, some gravel, compact-v. compact.
BM2389	0-10 ft Brown Silt, little clay; 10-16 Brown sandy Silt, trace gravel, trace clay, firm to loose; 16-25 Brown f. to c. Sand, scattered gravel, compact; 25-32 gray Silt, some vf. Sand, very compact.
BM2390	0-3 ft Brown Silt, trace f. sand; 3-7 gray-brown f. Sand and Silt; 7-12 m. to f. Sand, some silt and leaves; 12-19 gray m. to f. Sand; 19-33 gray c. Gravel, some f. to c. sand, little silt; 33-52 gray f. Sand, little gravel and silt, dense.
BM2482	0-10 ft Brown Sand and Silt, trace organics; 10-16 Brown Sand and Gravel , some silt, loose; 16-21 gray Silt, some clay, traces sand and gravel, soft; 21-32 gray Sand and silt; 32-43 gray Sand, some silt, loose; 43-48 gray Silt, trace sand, mod. compact; 48-60 gray Gravel, some silt and sand, tried to core shale 55-59 (Till with boulders?-ADR); 60-69 Shale.
BM2483	0-4 ft Fill; 4-15 Brown Gravel, some sand and silt; 15-20 Brown Silt, trace sand and gravel, loose; 20-41 gray Sand, some silt, loose; 41-51 gray Sand and gravel, some silt, compact.
BM2484	0-16 ft Brown Gravel, some sand, trace silt; 16-21 Brown Sand, some gravel trace silt, loose; 21-26 Brown Sand, some gravel and silt, loose; 26-31 Brown Sand, some clay and gravel, trace silt, medium compact; 31-37 Brown Gravel, some sand and silt; 37-42 Brown sand, some silt; 42-60 Brown gravel, some sand and silt, compact.
BM2485	0-10 ft Brown and black Silt and organic matter, trace sand; 10-21 Brown Sand and Gravel, some silt, mod. compact; 21-32 gray Sand, trace silt, mod. compact; 32-37 gray Sand and Silt, trace gravel, mod. compact; 37-54 gray Sand and Gravel, some silt, very compact.
BM2555	0-7 ft Fill; 7-56 Brown to gray f. to m. Sand and Silt, some bright gravel; 56-60 no log; 60-86 gray Silt, some brown-red clay seams, interbedded layers of fractured shale; 86-88 gray f. to m. Sand, some subangular shale fragments, trace bright gravel; 88-97 Silt, fractured shale cobbles, good porosity at 96 (ice-contact deposits, silty and/or interbedded till - ADRandall).
BM2680	0-50 ft Silt and f-vf. Sand; 50-90 f-vf. Sand, sparse organic fragments; 90-132 m-f. sand, some c. sand and pebbles, silty 127-132, mostly drab; 132-145 m-vc. Sand, silty 135-143, yields water 143-145. Pumped 20 gal/min with 12 ft of sand plug in casing, drawdown 8.5 ft. Detailed log in appendix 3.