





Surficial Geologic Map of the Bloomsbury Quadrangle  
Warren and Hunterdon Counties, New Jersey

New Jersey Geological and Water Survey  
Open-file Map OFM 152  
2023

Pamphlet containing Table 1 to accompany map.

**Table 1.** Selected records of wells in the Bloomsbury quadrangle, Warren and Hunterdon counties, New Jersey. The wells listed below were drilled for private and public water supply and are on file at the New Jersey Department of Environmental Protection (NJDEP). The location of these wells are based on property maps. Location accuracy designated by letters “s”, “f”, and “t” are generally accurate to within 200 feet, 500 feet, and 1,000 feet, respectively, of the actual well location.

Well Number	NJDEP Permit Number	Accuracy of Location	Discharge Reported by Drillers (gpm)	Depth Below Land Surface (ft)	Driller's Log
1	24-08904	f-t	30	0-30 30-155	Overburden Sandstone
2	24-16287	s	8	0-15 15-30 30-205	Clay and sand Sandstone Granite
3	24-15519	s	5	0-80 80-158 158-225	Brown soil and rock Sand and soil mixture Gray granite
4	24-14902	s-f	2	0-15 15-45 45-325	Brown soil mixture Brown mixture of clay Gray granite
5	24-15526	f	15	0-40 40-115 115-185	Sand and clay Broken sandstone Granite
6	24-10108	f-t	20	0-20 20-40 40-200 200-225	Overburden Sand Brown clay and gravel Limestone and clay
7	24-16422	f	4	0-80 80-265	Sand and clay Granite
8	24-04782	f	10	0-50 50-150 150-260	Yellowish brown clayey sand Yellowish brown clayey sand with limestone fragments Yellowish brown weathered limestone
9	24-15635	f-t	20	0-21 21-168 168-213 213-275	Brown soil Brown clay Brown soil and rock mixture Limestone
10	24-16931	s	25	0-140 140-200	Overburden Limestone
11	24-15375	s-f	20	0-40 40-140 140-228	Clay Broken limestone Limestone
12	24-17803	s	30	0-30 30-180 180-208	Clay Broken limestone Limestone



Well Number	NJDEP Permit Number	Accuracy of Location	Discharge Reported by Drillers (gpm)	Depth Below Land Surface (ft)	Driller's Log
13	24-08341	f-t	20	0-140 140-165 165-182 182-203	Rotten limestone and layer of clay Clay and gravel Rotten limestone Water, rotten fractured area
14	24-18332	s-f	30	0-250 250-285	Alternating layers of dirt and rock Limestone
15	24-16195	f-t	10	0-30 30-80 80-120	Overburden Rock Gravel and mud
16	24-17008	f	5	0-5 5-214	Overburden Sand and gravel
17	24-14982	s-f	20	0-65 65-145 145-197	Clay Broken limestone Limestone
18	24-15147	s	30	0-80 80-150 150-160	Clay Broken limestone Limestone
19	24-16285	s	40	0-25 25-140 140-164	Clay Broken limestone Limestone
20	24-16285	s-f	40	0-75 75-100 100-166	Clay Broken limestone Limestone
21	24-16735	s-f	150	0-90 90-160 160-225	Clay Broken limestone Limestone
22	24-09299	s	6	0-258	Yellow clay and limestone
23	24-09563	t	30	0-15 15-113 113-115	Overburden Brown clay and gravel Gravel
24	24-12338	f-t	40	0-5 5-122	Overburden Sand and gravel
25	24-15095	f	30	0-35 35-145 145-172	Clay and sand Broken limestone Limestone
26	24-17383	s	15	0-30 30-60 60-142	Gravel Broken limestone Limestone
27	24-17162	s	40	0-20 20-45 45-142	Gravel Broken limestone Limestone
28	24-16273	f	10	0-30 30-61 61-89 89-100 100-140 140-185 185-239 239-272 272-276 276-350	Overburden Sand and boulders Yellow clay Gravel Yellow clay Gray clay Yellow clay Gray decomposed limestone Limestone and water Clay
29	24-15310	s-f	60	0-35 35-130 130-185	Clay and sand Broken limestone Limestone
30	24-15952	s	35	0-180 180-264	Clay Limestone



Well Number	NJDEP Permit Number	Accuracy of Location	Discharge Reported by Drillers (gpm)	Depth Below Land Surface (ft)	Driller's Log
31	24-16168	s	70	0-25 25-55 55-85	Sand and clay Broken sandstone Granite
32	24-27831	s	20	0-80 80-125	Clay Limestone
33	24-15959	f-t	40	0-60 60-120 120-140	Sand and clay Broken sandstone Sandstone
34	24-15055	f	10	0-30 30-95 95-188	Sand and clay Sandstone Granite
35	24-17742	f	100	0-60 60-90 90-300	Sandy clay Broken limestone Limestone
36	24-16654	t	7	0-18 18-85 85-150	Overburden with hardpan and gravel Decomposed granite Brown granite
37	24-15225	f	10	0-30 30-85 85-118 118-250	Light brown loam soil Sand and gravel Brown clay Granite
38	24-16068	s-f	7	0-60 60-148	Sandy clay Granite
39	24-17589	s	40	0-77 77-200	Overburden Limestone
40	24-12171	s	12	0-72 72-148	Clay and hardpan Gray granite
41	24-17588	f	45	0-35 35-55 35-125	Sandy clay Broken sandstone Sandstone
42	24-17215	f-t	13	0-130 130-275	Sand and gravel Limestone
43	24-16836	s-f	12	0-20 20-144	Sandy clay Granite
44	24-17715	s-f	10	0-40 40-75 75-205	Sand and clay Sandstone Granite
45	24-11692	t	254	0-115	Clay, sand, and gravel
46	24-17216	s-f	30	0-100 100-139 139-140	Clay Sand and gravel Decomposed limestone
47	24-08906	s	2	0-10 10-500	Overburden Limestone
48	24-13305	s	30	0-10 10-100	Overburden Limestone
49	24-15283	s	30	0-100 100-200	Clay Broken limestone
50	24-16367	s	10	0-80 80-228	Clay Limestone
51	24-15002	s-f	50	0-125 125-130	Clay and limestone Decomposed limestone
52	24-18425	f-t	20	0-30 30-84	Clay and limestone Limestone
53	24-10472	s	20	0-50 50-280	Sandy soil Limestone
54	24-10021	s	10	0-60 60-250	Overburden Limestone



Well Number	NJDEP Permit Number	Accuracy of Location	Discharge Reported by Drillers (gpm)	Depth Below Land Surface (ft)	Driller's Log
55	24-11295	s	20	0-70 70-300	Sandy soil Limestone
56	24-14122	f	25	0-50 50-175	Sand and clay Sandstone
57	24-14184	s	40	0-100 100-225	Decomposed limestone, sand, and clay Granite
58	24-05959	f	10	0-30 30-121	Overburden Limestone
59	24-16634	s	20	0-40 40-200	Clay Limestone
60	24-15444	f	30	0-100 100-240	Clay, gravel, and boulders Limestone
61	24-13438	f-t	none reported	0-36 36 (refusal)	Yellow clay Limestone
62	24-09040	f	15	0-44 44-80	Yellow clay Limestone
63	24-08992	s	15	0-75 75-99	Clay and limestone Limestone
64	24-16033	f	15	1-125 125-270	Clay and sand Limestone
65	24-08989	s	35	0-60 60-129	Clay and limestone Limestone
66	24-09072	s	25	0-114	Yellow clay and limestone
67	24-08970	f	56	0-28 28-204	Clay Limestone
68	24-08969	f	20	0-15 15-50 50-197	Overburden Broken rock Blue-gray limestone
69	24-11270	s	30	0-80 80-150	Overburden Limestone
70	24-11269	s	30	0-90 90-125	Overburden Limestone
71	24-15414	s	12	0-33 33-82 82-98 98-114 114-175	Brown clay Sand and gravel Brown clay Brown soil and rock mixture Limestone
72	24-15712	s	30	0-10 10-92 92-135 135-160 160-192 192-200	Brown soil Brown clay Brown soil and rock mixture Brown clay Shattered limestone Blue limestone
73	24-01551	f	20	0-25 25-57	Clay and broken granite Granite
74	24-14219	f	10	0-55 55-107 107-114 114-198	Sand, gravel, and clay Gray limestone Mud seam and gravel Limestone
75	24-09189	f	15	0-250 250-258	Overburden Soft rock
76	24-15858	f	100	0-70 70-130	Clay Decomposed limestone
77	24-07635	f	18	0-130 130-310	Overburden Broken limestone
78	24-18195	s	50	0-60 60-225	Clay Limestone



<b>Well Number</b>	<b>NJDEP Permit Number</b>	<b>Accuracy of Location</b>	<b>Discharge Reported by Drillers (gpm)</b>	<b>Depth Below Land Surface (ft)</b>	<b>Driller's Log</b>
79	24-16536	s	100	0-55 55-100	Overburden Limestone
80	24-15588	s	100	0-45 45-100	Clay, sand, and gravel Limestone
81	24-15415	s	100	0-75 75-100	Sand and gravel Decomposed limestone
82	24-13398	f	100	0-30 30-360	Sand, clay, and loose rock Granite
83	24-14499	f	50	0-53 53-200	Gravel, clay, and boulders Granite
84	24-17398	s	8	0-120 120-300	Clay and sand Granite