

Figure 6. Geologic and hydrogeologic cross section AA'.

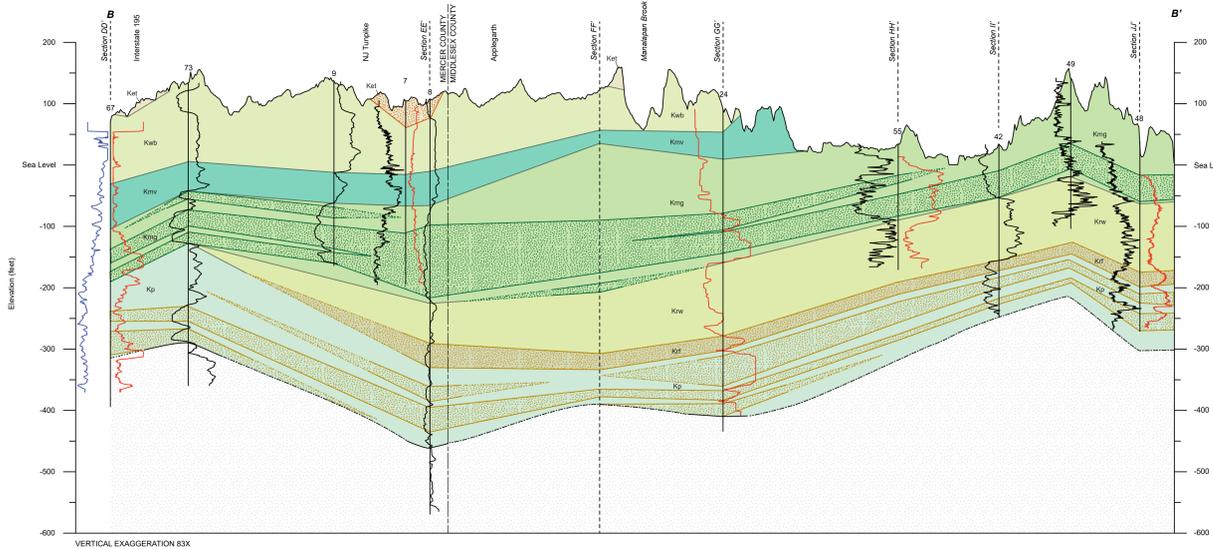


Figure 7. Geologic and hydrogeologic cross section BB'.

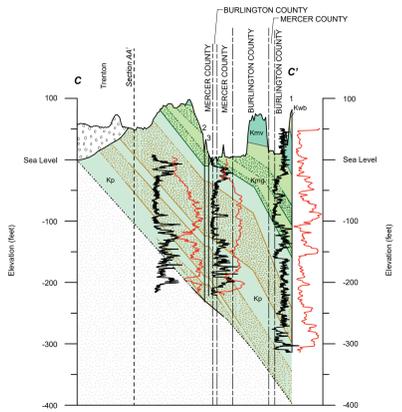


Figure 8. Geologic and hydrogeologic cross section CC'.

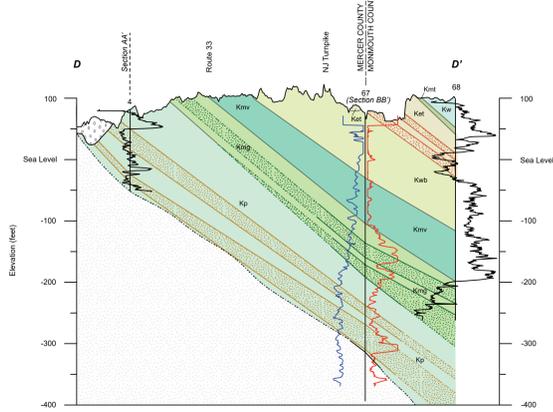


Figure 9. Geologic and hydrogeologic cross section DD'.

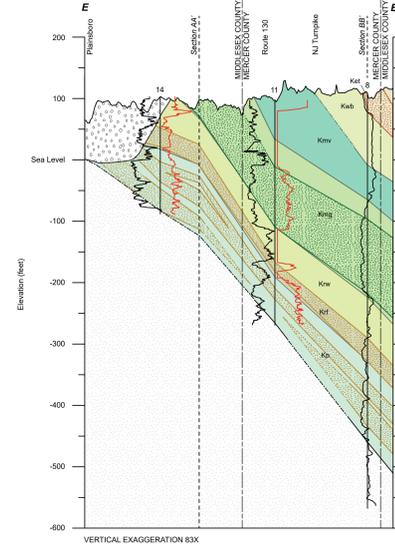


Figure 10. Geologic and hydrogeologic cross section EE'.

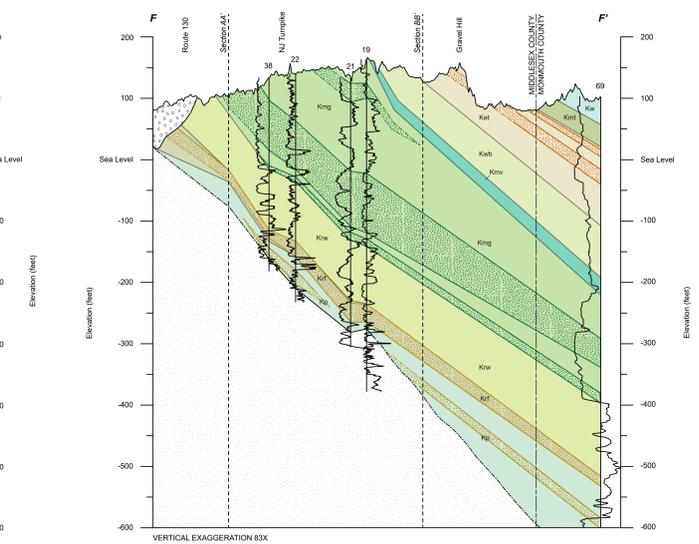


Figure 11. Geologic and hydrogeologic cross section FF'.

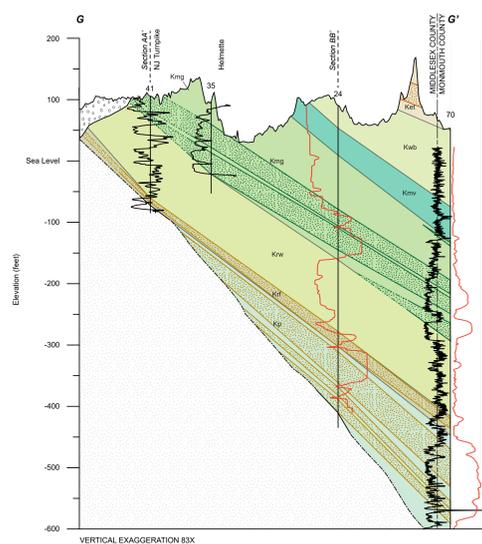


Figure 12. Geologic and hydrogeologic cross section GG'.

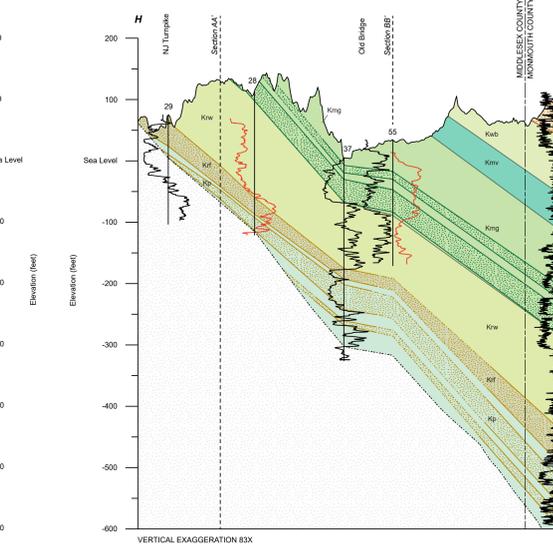


Figure 13. Geologic and hydrogeologic cross section HH'. Well 71 has been clipped and actually extends to an elevation of -604 feet.

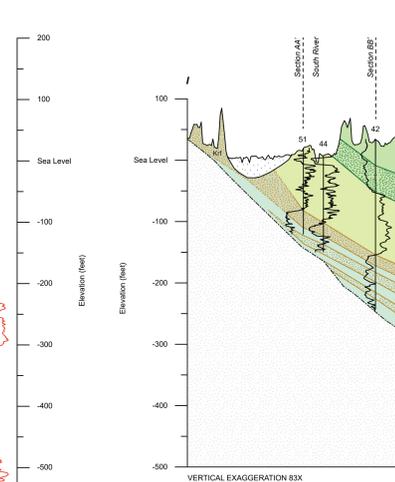


Figure 14. Geologic and hydrogeologic cross section II'.

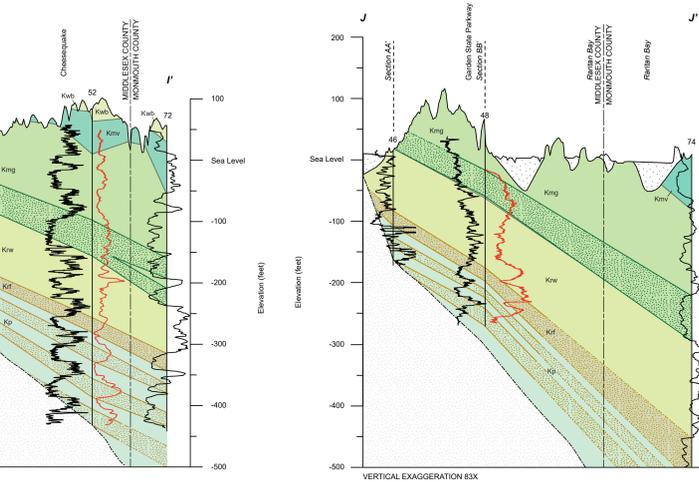


Figure 15. Geologic and hydrogeologic cross section JJ'. Well 74 has been clipped and actually extends to an elevation of -570 feet.

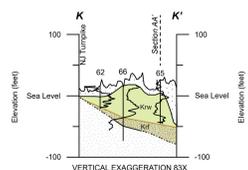
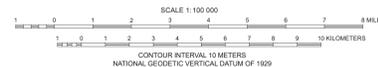


Figure 16. Geologic and hydrogeologic cross section KK'.

Table 4. List of wells shown in Figure 2 (Sheet 1) as small blue circles. N/A = not available; *Depth correlated from nearby well record.

Station	NJDEP Permit Number	County	Municipality	Latitude	Longitude	Depth (ft)	Approx. Depth to Bedrock (ft)	Cross Section
1	28-87904	Burlington	Chesterfield Twp.	400940	744010	397	N/A	CC'
2	E201602939	Mercer	Hamilton Twp.	401105	744157	242	240	CC'
3	E201810279	Mercer	Hamilton Twp.	401102	744151	230	N/A	CC'
4	28-23685	Mercer	Hamilton Twp.	401240	743620	134	N/A	AA', DD'
5	28-49883	Mercer	Hamilton Twp.	401144	744103	174	N/A	AA'
6	28-35403	Mercer	East Windsor Twp.	401458	743207	472	N/A	AA'
7	28-13642	Mercer	East Windsor Twp.	401513	742951	299	N/A	BB'
8	28-06864	Mercer	East Windsor Twp.	401536	742020	677	570	BB', EE'
9	28-06162	Mercer	East Windsor Twp.	401458	743198	268	N/A	BB'
10	E202100357	Mercer	East Windsor Twp.	401734	743357	800	226	AA'
11	28-13434	Mercer	East Windsor Twp.	401702	743119	365	357	EE'
12	28-05897	Mercer	East Windsor Twp.	401606	743356	265	229	BB'
13	28-09483	Mercer	Highstown Boro.	401625	743228	463	385	BB'
14	28-20220	Middlesex	Crabtree Twp.	401837	743359	191	N/A	EE'
15	28-18282	Middlesex	Crabtree Twp.	401846	743157	192	N/A	AA'
16	28-7800	Middlesex	Crabtree Twp.	401842	743056	260	N/A	AA'
17	28-02086	Middlesex	Crabtree Twp.	401816	742921	143	N/A	AA'
18	28-05007	Middlesex	Crabtree Twp.	401902	742912	309	N/A	AA'
19	28-45484	Middlesex	Monroe Twp.	401930	742711	540	440	FF'
20	28-50046	Middlesex	Monroe Twp.	401811	742860	460	449	FF'
21	28-11719	Middlesex	Monroe Twp.	401950	742721	440	420	FF'
22	28-18023	Middlesex	Monroe Twp.	402049	742912	372	350	FF'
23	28-07639	Middlesex	Monroe Twp.	402047	742820	365	340	FF'
24	28-01653	Middlesex	Monroe Twp.	402038	742345	525	500	BB', GG'
25	28-08704	Middlesex	East Brunswick Twp.	402448	742700	125	125	AA'
26	28-05174	Middlesex	East Brunswick Twp.	402520	742059	160	160	AA'
27	28-08816	Middlesex	East Brunswick Twp.	402421	742525	196	247	AA'
28	28-01492	Middlesex	East Brunswick Twp.	402456	742442	235	N/A	IH'
29	N/A	Middlesex	East Brunswick Twp.	402848	742525	178	83'	IH'
30	48-00076	Middlesex	East Brunswick Twp.	402200	742451	45	N/A	AA', JJ'
31	48-00078	Middlesex	East Brunswick Twp.	402429	742421	85	N/A	AA', JJ'
32	48-00081	Middlesex	East Brunswick Twp.	402324	742601	115	N/A	AA', JJ'
33	48-00082	Middlesex	East Brunswick Twp.	402326	742414	100	N/A	AA', JJ'
34	48-00088	Middlesex	East Brunswick Twp.	402249	742613	130	N/A	AA', JJ'
35	48-00090	Middlesex	East Brunswick Twp.	402242	742620	149	N/A	AA', JJ'
36	28-09117	Middlesex	Spotswood Boro.	402328	742318	328	324	AA', JJ'
37	N/A	Middlesex	East Brunswick Twp.	402433	742207	330	307'	IH'
38	N/A	Middlesex	South Brunswick Twp.	402125	742825	315	295	FF'
39	28-24049	Middlesex	South Brunswick Twp.	402013	742913	297	N/A	AA'
40	28-10532	Middlesex	South Brunswick Twp.	402018	743021	160	N/A	AA'
41	28-10350	Middlesex	South Brunswick Twp.	402347	742728	190	175	AA', GG', JJ'
42	28-06400	Middlesex	Borough of Sayreville	402005	741958	276	280	BB', IF'
43	28-06401	Middlesex	Borough of Sayreville	402006	741959	278	285	BB', IF'
44	N/A	Middlesex	Borough of Sayreville	402023	742127	155	N/A	IF'
45	28-05043	Middlesex	Borough of Sayreville	402746	741645	248	N/A	BB', JJ'
46	28-04461	Middlesex	Borough of Sayreville	402834	741915	187	188	AA', JJ'
47	N/A	Middlesex	Borough of Sayreville	402734	741925	145	N/A	AA', JJ'
48	28-10050	Middlesex	Borough of Sayreville	402746	741645	309	N/A	BB', JJ'
49	N/A	Middlesex	Borough of Sayreville	402724	741844	245	N/A	BB', JJ'
50	28-04485	Middlesex	South Amboy City	402923	741651	206	N/A	AA', JJ'
51	28-05887	Middlesex	South Amboy City	402853	742200	140	N/A	AA', JJ'
52	E20220174	Middlesex	Old Bridge Twp.	402453	741603	515	N/A	IF'
53	N/A	Middlesex	Old Bridge Twp.	402319	742246	224	316	IF'
54	N/A	Middlesex	Old Bridge Twp.	402335	742136	98	347	AA', JJ'
55	28-07471	Middlesex	Old Bridge Twp.	402356	742055	204	N/A	BB', HH'
56	N/A	Middlesex	Old Bridge Twp.	402407	741620	185	N/A	AA', JJ'
57	N/A	Middlesex	Old Bridge Twp.	402536	742018	158	N/A	AA', JJ'
58	N/A	Middlesex	Borough of Sayreville	403010	741743	104	132	AA'
59	28-12460	Middlesex	Edison Twp.	403139	741942	27	N/A	AA', JJ'
60	28-00866	Middlesex	Woodbridge Twp.	403216	741739	108	N/A	AA', JJ'
61	28-09884	Middlesex	Woodbridge Twp.	403221	741623	200	195	AA', JJ'
62	N/A	Middlesex	Woodbridge Twp.	403242	741617	35	N/A	KK'
63	28-28367	Middlesex	Woodbridge Twp.	403242	741523	42	N/A	AA', JJ'
64	28-28359	Middlesex	Woodbridge Twp.	403249	741538	45	N/A	AA', JJ'
65	28-34648	Middlesex	South Amboy City	403129	741537	71	71	AA', KK'
66	28-01124	Middlesex	South Amboy City	403211	741613	90	87	KK'
67	28-08815	Monmouth	Allenstown Boro.	401052	743528	465	385	BB', DD', FF'
68	28-32000	Monmouth	Upper Freehold Twp.	400923	743337	360	N/A	DD'
69	28-08484	Monmouth	Manalapan Twp.	401551	742212	700	N/A	FF'
70	28-02083	Monmouth	Manalapan Twp.	401837	742145	657	N/A	CC'
71	29-47696	Monmouth	Marlboro Twp.	402102	741657	746	N/A	IH'
72	29-09580	Monmouth	Matawan Boro.	402428	741356	498	N/A	IF'
73	28-06530	Mercer	Robbinsville Twp.	401233	743449	493	424	BB'
74	28-09885	Mercer	Borough of Keyport	402635	741050	980	N/A	JJ'



FRAMEWORK AND PROPERTIES OF AQUIFERS IN THE COASTAL PLAIN PORTION OF MERCER AND MIDDLESEX COUNTIES, NEW JERSEY

By

Peter J. Sugarman, Alexandra R. Carone, Yelena Stroiteleva, and Kent Barr
2022

