WATER-LEVEL MEASUREMENTS FOR THE COASTAL PLAIN AQUIFERS OF SOUTH CAROLINA PRIOR TO DEVELOPMENT

U. S. GEOLOGICAL SURVEY
Open-File Report 84-803

Table 2.--Water-level measurements for the period prior to development for the Coastal Plain aquifers of South Carolina

Well number	Location[a]		LSD[b] elev. (feet)	Well depth[c] (feet)	Interval screened[d] (feet)	Aquifer[e f]	Depth to water[ghi] (feet)	Water-level elevation	Date measured	Remarks[j]
	Latitude	Longitude								
					-- AIKEN COUNTY --					
AK-28	333400	811810	377	142	--	A2	50.	327.	1945	#322 (Siple, 1946)
AK-30	333850	812105	450	170	--	A2	120.	330.	06/36	
AK-38	332412	814109	400	--	180-190	A2	135.	265.	06/51	(Siple, 1957a)
AK-116	332218	814913	290	132	--	A3a3	90.	200.	08/51	(Siple, 1957a)
AK-180	332436	815329	200	99	--	A3a3	60.	140.	10/51	(Siple, 1957a)
AK-181	331821	814836	130	--	155-207	A3a3	+19.0	149.	10/51	(Siple, 1957a)
AK-183	332550	815314	254	--	290-320	A3a3	94.40	160.	02/52	(Siple, 1957a)
AK-227	333434	814414	520	218	--	A3a3	200.	320.	03/52	(Siple, 1957a)
AK-237	332559	814843	250	100	--	A3a3	42.10	208.	07/52	(Siple, 1957a)
AK-240	332946	815200	223	75	--	A3a3	35.90	187.	07/52	(Siple, 1957a)
AK-259	333126	814928	275	--	84-104	A3a3	66.50	208.	09/52	(Siple, 1957a)
AK-265	333448	813042	260	90	--	A3a3	+10.	270.	12/52	(Siple, 1957a)
AK-274	333443	813556	310	126	--	A3a3	+10.	320.	1953	(Siple, 1957a)
AK-275	333112	812441	230	--	200-205	A3a3	+30.	260.	1949	(Siple, 1957a)
AK-276	333635	814109	340	120	--	A3a3	+5.	345.	11/53	(Siple, 1957a)
AK-278	333314	814613	265	--	108-118	A3a3	21.	244.	07/53	(Siple, 1957a)

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Table 2.--Water-level measurements for the period prior to development for the Coastal Plain aquifers of South Carolina (Continued)

Well number	Location[a]		LSD[b] elev. (feet)	Well depth[c] (feet)	Interval screened[d] (feet)	Aquifer[e f]	Depth to water[ghi] (feet)	Water-level elevation	Date measured	Remarks[j]
	Latitude	Longitude								
					-- ALLENDALE COUNTY --					
AL-4	330015	811826	176	180	--	A2	22.	154.	03/46	#330 (Siple, 1946)
AL-7	325725	811410	137.13 M.P.	660	--	A3a2	+42.78	179.91	10/46	AL-1 (Siple, 1950)
AL-8	330208	811320	150	600	--	A3a2	+20.8	171.	1946	(Siple, 1957a)
AL-16	330459	812907	130	205	--	A2	+15.	145.	07/52	(Siple, 1957a)
AL-19	330430	812648	161.47 M.P.	--	610-760	A3a2	+8.5	170.0	02/60	
AL-20	330450	813320	140	200	--	A2	3.7	136.	04/60	
AL-23	330101	811806	180	--	686-746	A3a2	2.	178.	03/67	
AL-66	330655	813356	215	--	390-715	A3a2/A2	35.5	180.	02/79	
AL-600	330550	811230	160	--	144-202	A2	8.	152.	03/67	
AL-602	325745	812613	140	--	239-321 (OH)	F	20.	120.	07/69	
AL-604	330150	810646	140	800	--	A3a2	+40.	180.	1917	AL-9 (Cooke, 1936)
AL-605	330030	811830	175	800	--	A3a2	+6.	181.	1917	AL-1 (Cooke, 1936)

Table 2.--Water-level measurements for the period prior to development for the Coastal Plain aquifers of South Carolina (Continued)

Well number	Location[a] Latitude	Location[a] Longitude	LSD[b] elev. (feet)	Well depth[c] (feet)	Interval screened[d] (feet)	Aquifer[e f]	Depth to water[ghi] (feet)	Water-level elevation	Date measured	Remarks[j]
				-- AIKEN COUNTY (Continued) --						
AK-279	333847	814506	572	210	--	A3a3	175.	397.	12/53	(Siple, 1957a)
AK-286	333108	813800	485	210	--	A3a3	180.	305.	12/53	(Siple, 1957a)
AK-288	333059	813432	432	--	160-174	A2	100.	332.	1953	(Siple, 1957a)
AK-290	332510	814101	420	--	392-465	A3a3	161.60	258.	06/51	(Siple, 1957a)
AK-291	332710	815056	430	219	--	A3a3	185.	245.	06/52	(Siple, 1957a)
AK-306	334440	813100	500	105	--	A3a3	100.	400.	10/54	
AK-351	331925	814731	198	60	--	A2	9.72	188.	08/59	
AK-361	333945	812850	380	191	--	A3a3	28.96	351.	01/60	
AK-425	333755	811840	440	--	136-146	A2	109.	331.	09/69	
AK-430	331940	814435	357	--	390-600	A3a3	144.82	212.	02/66	
AK-468	331320	814405	157.53	--	265-270	A3a3	+5.60	163.13	04/64	
AK-601	331707	813949	287.9 M.P.	--	799-809	A3a3	107.0	180.9	08/62	P1A
AK-602	331707	813949	289.1 M.P.	--	545-555	A3a3	107.9	181.2	08/62	P1B
AK-603	331707	813949	289.4 M.P.	--	358-368	A3a2	107.7	181.7	08/62	P1C
AK-604	331330	814614	108	105	--	A2	+36.3	144.	10/51	S414 (Siple, 1957a)
AK-605	331943	813515	300	315	--	A2	78.	222.	Probably 1951	S427 (Siple, 1957a)

Table 2.--Water-level measurements for the period prior to development for the Coastal Plain aquifers of South Carolina (Continued)

Well number	Location[a] Latitude	Location[a] Longitude	LSD[b] elev. (feet)	Well depth[c] (feet)	Interval screened[d] (feet)	Aquifer[e f]	Depth to water[g h i] (feet)	Water-level elevation	Date measured	Remarks[j]
				-- BARNWELL COUNTY --						
BW-5	332116	811620	290	200	--	A2	26.	264.	03/46	#348 (Siple, 1946)
BW-10	332409	812520	352	150	--	A2	15.	337.	03/46	#353 (Siple, 1946)
BW-14	331431	812121	215	145 or 245	--	A2	22.93	192.	05/60	BW-1 (Siple and Koch, 1965)
BW-44	332408	812453	353.1 M.P.	--	589-695	A3a3	110.04	242.1	09/52	(Siple, 1957a)
BW-69	331627	811449	260	--	316-326	A2/P	51.8	208.	10/71	
BW-79	332348	812407	360	--	360-380	A3a2	122.44	238.	12/77	Zone test
BW-140	332119	811620	290	--	264-286	A2	60.	230.	10/51	BW-46 (Siple, 1957a)
BW-600	332246	812242	345	--	120-140	A2	35.	310.	02/75	
BW-604	331700	813500	304	--	375-475	A3a2	107.63	196.	02/55	BW-2 (Siple, 1957b)
BW-605	330820	811810	230	409	--	A2/A3a2	43.	187.	1917	BW-5 (Cooke, 1936)
BW-608	331633	813447	291	641	--	A3a3	94.3	197.	09/52	RP5 (Siple,
BW-609	330729	813824	100	--	60-167 (OH)	A2	+20.4	120.	08/52	S363 (Siple, 1957a)
BW-610	331227	812800	240	115	--	A2	70.	170.	1949	S393 (Siple, 1957a)
BW-611	331626	813459	304	--	375-475	A3a2	105.32	199.	10/51	LA27 (Siple, 1957a)
BW-612	332011	812857	290	130	--	A2	30.	260.	Probably 1951	S261 (Siple, 1957a)
BW-619	330848	813627	206.4 M.P.		973-983	A3a3	17.4	189.0	01/76	P5A

Table 2.--Water-level measurements for the period prior to development for the Coastal Plain aquifers of South Carolina (Continued)

Well number	Location[a]		LSD[b] elev. (feet)	Well depth[c] (feet)	Interval screened[d] (feet)	Aquifer[e f]	Depth to water[ghi] (feet)	Water-level elevation	Date measured	Remarks[j]
	Latitude	Longitude								
					-- BAMBERG COUNTY --					
BAM-4	331745	810216	165	110	--	A2	15.35	150.	09/63	
BAM-7	331742	810215	160	380	--	A3a2	+12.0	172.	02/46	
BAM-14	331859	810845	244	--	225-300	A2	65.	179.	06/60	
BAM-25	331320	811015	240	--	213-250	A2	47.	193.	04/70	
BAM-26	330610	810010	140	--	94-220	F	10.	130.	08/78	
BAM-28	331953	811124	250	--	182-323	A2	53.73	196.	12/80	
BAM-49	332204	811122	260	500	--	A3a2	51.87	208.	03/82	

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Well number	Location[a] Latitude	Location[a] Longitude	LSD[b] elev. (feet)	Well depth[c] (feet)	Interval screened[d] (feet)	Aquifer[e f]	Depth to water[g h i] (feet)	Water-level elevation	Date measured	Remarks[j]
					-- BERKELEY COUNTY --					
BRK-25	331735	794110	35	--	770-780	A3a2	+21.5	56.	06/54	
BRK-27	332524	795526	60	--	1100-1200	A3a3	+46.	106.	12/55	
BRK-29	332515	795525	60	--	1066-1218	A3a3	+44.	104.	1955	
BRK-47	331016	801717	80	--	283-372	A2	20.5	60.	01/65	
BRK-53	331708	794138	34	32	--	A2	3.72	30.	02/73	
BRK-54	332420	795900	80	363	--	A2	12.	68.	02/72	
BRK-78	332350	795110	33.73 M.P.	--	56-86 (OH)	A2	--	12.16	11/75	Affected by large river stage variations
BRK-87	331125	800110	55	--	633-693	A3a2	F	>55.	02/76	
BRK-272B	330441	795958	20	--	1845-1979	A4	+100.5	120.	12/81	Lower zone packer test
BRK-600	331657	801014	85	--	56-161	A2	7.	78.	05/68	
BRK-601	330537	794759	30	--	47-180	F	F	>30.	1955	
BRK-603	331332	800218	90	--	120-181	A2	26.	64.	06/49	
BRK-607	331950	800910	85	407	--	A2	12.	73.	1917	BRK-8 Cooke, 1936)

Table 2.--Water-level measurements for the period prior to development for the Coastal Plain aquifers of South Carolina (Continued)

Well number	Location[a]		LSD[b] elev. (feet)	Well depth[c] (feet)	Interval screened[d] (feet)	Aquifer[e f]	Depth to water[ghi] (feet)	Water-level elevation	Date measured	Remarks[j]
	Latitude	Longitude								
					-- BEAUFORT COUNTY --					
BFT-11	322120	804122	18	--	2611-2786	A3a3	+142.	160.	01/84	Other reported measurements (1940's) probably were A3a3/A4 composites in BFT-10
BFT-454	321450	804447	6.7	--	2722-3034	A4	+179.	186.	12/80	

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Well number	Location[a]		LSD[b] elev. (feet)	Well depth[c] (feet)	Interval screened[d] (feet)	Aquifer[e f]	Depth to water[ghi] (feet)	Water-level elevation	Date measured	Remarks[j]
	Latitude	Longitude								
					-- CHARLESTON COUNTY --					
CHN-64	324708	795555	16	1335	--	A3a2	+71.	≥87.	12/68	May be affected by pumping in aquifer A2 or A3a3
CHN-173	325040	794940	20	--	1704-1862	A3a3	+106.	126.	01/71	
CHN-174A	323410	800936	10	--	2513-2522	A4	+147.	157.	07/72	Zone test
CHN-174D	323410	800936	10	--	2155-2160	A3a3	+138.	148.	06/72	Zone test
CHN-174G	323410	800936	10	--	1843-1849	A3a2	+120.	130.	07/72	Zone test In confining bed below aquifer A3a2
CHN-185	324905	795005	17	--	1775-1975	A3a3	+101.	118.	05/75	
CHN-600	330255	793351	25	--	67-123 (OH)	F	12.	13.	1965	

Table 2.--Water-level measurements for the period prior to development for the Coastal Plain aquifers of South Carolina (Continued)

Well number	Location[a]		LSD[b] elev. (feet)	Well depth[c] (feet)	Interval screened[d] (feet)	Aquifer[e f]	Depth to water[ghi] (feet)	Water-level elevation	Date measured	Remarks[j]
	Latitude	Longitude								
					-- CALHOUN COUNTY --					
CAL-4	334011	804632	230	110	--	A2	17.	213.	03/46	#411 (Siple, 1946)
CAL-16	335020	810128	280	--	146-156	A3a3	85.22	195.	01/67	
CAL-25	333330	804240	170	--	249-273	A3a2/P	30.	140.	01/68	
CAL-27	334836	805454	155	--	305-405	A3a3	42.	113.	02/76	
CAL-30	333954	804631	280	--	170-408	A3a2/P	143.6	136.	03/80	
CAL-31	335203	810039	140	212	--	A3a3	7.2	133.	12/80	
CAL-32	333753	804738	340	183	--	A2	71.5	268.	08/80	
CAL-600	334138	804057	265	--	260-340	A3a2/P	151.4	114.	12/80	
CAL-601	334150	804524	300	--	510-770	A3a3/a2	159.	141.	07/78	
CAL-611	333327	804246	175	--	82-112	A2	8.	167.	10/62	

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Well number	Location[a] Latitude	Location[a] Longitude	LSD[b] elev. (feet)	Well depth[c] (feet)	Interval screened[d] (feet)	Aquifer[e f]	Depth to water[ghi] (feet)	Water-level elevation	Date measured	Remarks[j]
					-- CLARENDON COUNTY --					
CLA-2	334153	801216	100	480	--	A3a2	+20.	120.	03/46	#452 (Siple, 1946)
CLA-16	334137	801247	125	--	565-605	A3a3	4.	121.	02/52	
CLA-18	334936	800635	105	--	330-457	A3a2	+13.	118.	07/17	CLA-3 (Cooke, 1936)
CLA-20	334117	801137	125	--	590-640	A3a3	9.	116.	01/65	
CLA-22	335330	800115	130	--	200-320	A3a2	27.	103.	04/56	
CLA-25	333539	802119	132	--	636-748	A3a3	8.5	124.	07/70	
CLA-26	334510	801300	120	--	74-84	A2	19.	101.	12/67	
CLA-604	333154	802549	84	--	663-723	A3a3	+44.2	128.	11/82	
CLA-605	333547	802148	135	--	70-100 (OH)	A2	20.	115.	1954	
CLA-609	333100	802200	85	460	--	A3a2	+22.	107.	1917	CLA-13 (Cooke, 1936)

Table 2.--Water-level measurements for the period prior to development for the Coastal Plain aquifers of South Carolina (Continued)

Well number	Location[a]		LSD[b] elev. (feet)	Well depth[c] (feet)	Interval screened[d] (feet)	Aquifer[e f]	Depth to water[ghi] (feet)	Water-level elevation	Date measured	Remarks[j]
	Latitude	Longitude								
					-- CHESTERFIELD COUNTY --					
CTF-2	342802	801529	470	--	178-191	A3a3	160.	310.	03/46	
CTF-8	343734	795620	140	168	--	A3a3	33.10	107.	08/53	
CTF-9	342745	801326	430	175	--	A3a3	150.	280.	01/55	
CTF-44	343348	800151	230	--	100-130	A3a3	60.	170.	04/67	
CTF-46	343710	795243	150	--	60-71	A3a3/S	36.8	113.	09/72	
CTF-49	343023	800216	302	--	228-240	A3a3	85.	217.	03/69	
CTF-55	342802	801529	473	--	214-325	A3a3	170.	303.	12/73	
CTF-58	343637	795320	280	--	--	A3a3	108.6	171.	1980	
CTF-600	343123	801443	480	--	220-318	A3a3	123.	357.	05/78	
CTF-601	344031	795558	180	--	80-125	A3a3	52.	128.	08/77	

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Well number	Location[a] Latitude	Location[a] Longitude	LSD[b] elev. (feet)	Well depth[c] (feet)	Interval screened[d] (feet)	Aquifer[e f]	Depth to water[g h i] (feet)	Water-level elevation	Date measured	Remarks[j]
					-- COLLETON COUNTY --					
COL-45	325900	803110	70	--	51-425 (OH)	A2	27.	43.	11/59	
COL-49	325702	803758	70	--	1602-1664	A3a3	+80.3	150.	10/80	
COL-52	325930	802752	50	--	61-337 (OH)	A2	9.32	41.	03/75	
COL-64	330912	804851	130	--	58-158	A2	9.84	120.	12/76	
COL-605	325410	803930	80	--	63-433	F	26.	54.	01/50	
COL-610	330520	804850	105	156	--	A2	3.	102.	1917	COL-5 (Cooke, 1936)
COL-611	325500	803850	75	638	--	F/A2	24.	51.	09/48	COL-1 (Siple, 1951)
COL-612	330010	804910	75	94	--	F	+3.	78.	1917	COL-3 (Cooke, 1936)
COL-613	324730	803750	30	480	--	F	F	>30.	1917	COL-2 (Cooke, 1936)
COL-614	324400	803710	30	503	--	F	F	>30.	1917	COL-8 (Cooke, 1936)

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Well number	Location[a] Latitude	Location[a] Longitude	LSD[b] elev. (feet)	Well depth[c] (feet)	Interval screened[d] (feet)	Aquifer[e f]	Depth to water[ghi] (feet)	Water-level elevation	Date measured	Remarks[j]
					-- DARLINGTON COUNTY --					
DAR-8	341816	795215	147	--	278-309	A3a3	23.	124.	1946	#484 (Siple, 1946)
DAR-55	341502	800450	165	100	--	A3a2	+2.	167.	01/55	
DAR-57	343021	795122	190	--	149-157	A3a3	115.	75.	07/51	
DAR-62	342411	800922	225	--	184-209	A3a3	3.3	222.	02/59	
DAR-73	341744	795723	177	237	--	A3a3	13.	164.	11/64	
DAR-78	341910	800536	215	--	253-288	A3a3	23.5	192.	11/65	
DAR-81	343034	795119	168	--	314-362	A4	94.	74.	08/71	
DAR-82	342115	800712	229	--	208-294	A3a3	35.	194.	03/71	
DAR-87	341012	800406	170	--	368-434	A3a3	10.	160.	11/72	
DAR-94	342219	800424	216	--	214-306	A3a3	32.	184.	09/76	
DAR-98	341010	800402	173	--	190-220	A3a2	15.	158.	05/67	
DAR-103	342553	800545	418	--	272-479	A3a3	185.	233.	01/76	
DAR-119	341717	794452	124	116	--	A3a2	17.09	107.	08/79	

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Well number	Location[a]		LSD[b] elev. (feet)	Well depth[c] (feet)	Interval screened[d] (feet)	Aquifer[e f]	Depth to water[ghi] (feet)	Water-level elevation	Date measured	Remarks[j]
	Latitude	Longitude								
					-- DILLON COUNTY --					
DIL-7	342009	792600	105	360	--	A3a3	20.	85.	02/46	#509 (Siple, 1946)
DIL-20	342846	791955	140	208	--	A3a3	18.	122.	06/52	
DIL-25	342500	792230	115	37	--	A3a2	10.	105.	08/52	
DIL-28	341946	791553	87	104	--	A3a2	8.	79.	09/80	
DIL-35	342055	792056	85	80	--	A3a2	+1.	86.	10/52	
DIL-36	342054	792054	80	300	--	A3a3	+8.2	88.	10/52	
DIL-63	342842	791922	150	--	178-193	A3a3	22.	128.	10/52	
DIL-67	342034	791004	90	180	--	A3a2	19.02	71.	09/80	
DIL-71	343111	792805	160	--	138-149	A3a3	31.	129.	10/52	
DIL-73	342009	792600	105	--	115-130	A3a2	10.	95.	04/52	
DIL-88	341958	791100	115	--	503-570	A4	30.	85.	1976	
DIL-601	342504	792225	115	315	--	A3a3	0.	115.	1917	DIL-1 (Cooke, 1936)

Table 2.--Water-level measurements for the period prior to development for the Coastal Plain aquifers of South Carolina (Continued)

Well number	Location[a] Latitude	Location[a] Longitude	LSD[b] elev. (feet)	Well depth[c] (feet)	Interval screened[d] (feet)	Aquifer[e f]	Depth to water[ghi] (feet)	Water-level elevation	Date measured	Remarks[j]
				-- DORCHESTER COUNTY --						
DOR-23	330250	801300	65	491	--	F/A2	18.	47.	04/63	
DOR-31	330149	802319	60	--	60-352	A2	18.	42.	01/68	
DOR-43	330541	801858	75	--	227-325	A2	27.	48.	09/70	
DOR-88	325734	801207	30	--	1622-1750	A3a3	+92.0	122.	07/79	
DOR-143	325032	801608	28.8 M.P.	394	--	F	F	>28.8	--	Owner reported that well use to flow
DOR-211	330925	803118	78.0	--	1830-1850	A4	+81.1	159.1	12/82	
DOR-211B	330925	803118	78.0	--	1765-1785	A4	+61.4	139.4	10/82	Zone test
DOR-600	331914	802248	90	--	69-356	A2	26.	64.	1955	
DOR-602	331240	802650	90	--	346-474	A2	12.	78.	1954	
DOR-605	331110	803430	100	--	146-554	A2	4.	96.	01/65	

Table 2.--Water-level measurements for the period prior to development for the Coastal Plain aquifers of South Carolina (Continued)

Well number	Location[a]		LSD[b] elev. (feet)	Well depth[c] (feet)	Interval screened[d] (feet)	Aquifer[e f]	Depth to water[ghi] (feet)	Water-level elevation	Date measured	Remarks[j]
	Latitude	Longitude								
					-- FLORENCE COUNTY --					
FLO-3	341152	794605	145	--	211-735	A3a3/A4	41.	104.	1930	
FLO-6	341215	794351	140	--	180-190	A3a2	34.	106.	04/45	#518 (Siple, 1946)
FLO-10	335944	793405	80	202	--	A3a2	19.	61.	02/46	
FLO-26	341413	794845	135	160	--	A3a2	15.	120.	1947	
FLO-94	341413	794847	135	--	350-375	A3a3	30.	105.	07/51	
FLO-114	335606	795601	110	--	240-337	A3a2	8.	102.	12/55	
FLO-116	335000	792645	80	--	270-407	A3a2	25.	55.	03/54	
FLO-128A	341144	793450	96	--	678-690	A4	33.	63.	1959	Zone test
FLO-128D	341144	793450	96	--	327-333	A3a3	35.	61.	1959	Zone test
FLO-145	340900	793331	102	--	74-135	A3a2	38.	64.	08/62	
FLO-155	334958	792648	78	--	789-870	A3a3	24.3	54.	08/68	
FLO-604	340810	795620	145	526	--	A3a3	14.	131.	1917	SU-3 (Cooke, 1936)
FLO-605	340810	795620	145	160	--	A3a2	14.	131.	1917	SU-4 (Cooke, 1936)
FLO-606	341150	794600	110	144	--	A3a2	13.	97.	1917	SU-5 (Cooke, 1936)
FLO-607	335200	794520	75	330	--	A3a2	F	>75.	1917	SU-7 (Cooke, 1936)

Table 2.--Water-level measurements for the period prior to development for the Coastal Plain aquifers of South Carolina (Continued)

Well number	Location[a]		LSD[b] elev. (feet)	Well depth[c] (feet)	Interval screened[d] (feet)	Aquifer[e f]	Depth to water[ghi] (feet)	Water-level elevation	Date measured	Remarks[j]
	Latitude	Longitude								
					-- GEORGETOWN COUNTY --					
GEO-2	333300	790240	18	480	--	A3a2	+24.	+42.	04/41	#535 (Siple, 1946)
GEO-24	332217	791725	10.58	--	1190-1344	A4	+113.	124.	10/57	
GEO-28	332713	793324	35	--	110-901	A3a2	F	>35.	03/55	
GEO-88	331508	791624	6	--	1270-1295	A4	109.	115.	12/80	
					-- HAMPTON COUNTY --					
HAM-36	374525	811416	115	--	105-152 (OH)	F	13.3	102.	10/59	
HAM-74	325242	810224	135	--	110-200 (OH)	F	50.42	85.	12/76	
HAM-602	324610	805750	85	400	--	F	30.	55.	1917	HAM-7 (Cooke, 1936)

Table 2.--Water-level measurements for the period prior to development for the Coastal Plain aquifers of South Carolina (Continued)

Well number	Location[a] Latitude	Location[a] Longitude	LSD[b] elev. (feet)	Well depth[c] (feet)	Interval screened[d] (feet)	Aquifer[e f]	Depth to water[ghi] (feet)	Water-level elevation	Date measured	Remarks[j]
					-- HORRY COUNTY --					
HO-8	340325	785330	95	396	--	A3a2	36.	59.	04/41	#578 (Siple, 1946)
HO-51	334248	785516	25	450	--	A3a2	+10.	35.	04/41	
HO-68	335317	790208	26	250	--	A3a2	+10.7	37.	02/47	HO-1 (Siple, 1954)
HO-73	335040	790600	30	262	--	A3a2	+8.7	39.	11/46	
HO-129	334740	784520	25	587	--	A3a2	+12.5	38.	01/51	HO-2 (Siple, 1954)
HO-139	335000	791010	35	258	--	A3a2	+3.	38.	09/47	
HO-172	335410	785028	30	300	--	A3a2	+4.6	35.	10/47	
HO-204	334958	790245	15	--	643-705	A3a3	+29.4	44.	08/52	
HO-241	334937	783901	15	454	--	A3a2	+18.5	34.	05/63	
HO-900	334000	790620	20	350	--	A3a2	+25.	45.	1917	HO-4 (Cooke, 1936)
					-- JASPER COUNTY --					
JAS-43	323151	810918	67	210	--	F	19.	48.	1926	
JAS-601	323520	805550	20	106	--	F	F	>20.	1917	JAS-1 (Cooke, 1936)

Table 2.--Water-level measurements for the period prior to development for the Coastal Plain aquifers of South Carolina (Continued)

Well number	Location[a]		LSD[b] elev. (feet)	Well depth[c] (feet)	Interval screened[d] (feet)	Aquifer[e f]	Depth to water[ghi] (feet)	Water-level elevation	Date measured	Remarks[j]
	Latitude	Longitude								
					-- KERSHAW COUNTY --					
KER-11	342500	802055	276	165	--	A3a3	30.4	246.	10/80	
KER-67	342546	801934	209.32 M.P.	--	80-145	A3a3	8.	201.	1959	
KER-81	341345	804201	245	200	--	A3a3	F	>245.	12/66	
KER-87	342112	802853	240	--	61-92	A3a3	12.	228.	11/70	
KER-100	341004	804740	405	--	110-228	A3a3	70.	335.	05/63	
KER-601	341301	803325	170	--	94-134	A3a3	15.	155.	06/79	

UNITED STATES DEPARTMENT OF THE INTERIOR

DONALD PAUL HODEL, Secretary

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Table 2.--Water-level measurements for the period prior to development for the Coastal Plain aquifers of South Carolina (Continued)

Well number	Location[a] Latitude	Location[a] Longitude	LSD[b] elev. (feet)	Well depth[c] (feet)	Interval screened[d] (feet)	Aquifer[e f]	Depth to water[g h i] (feet)	Water-level elevation	Date measured	Remarks[j]
					-- LEE COUNTY --					
LE-1	340337	800436	154	400	--	A3a2	15.92	138.	12/80	
LE-6	341239	801213	160	132	--	A3a2	+6.93	167.	12/80	
LE-15	341306	801446	218	--	276-312	A3a3	27.	191.	04/68	
LE-18	340351	800356	140	--	316-511	A3a3	+1.81	142.	04/81	
LE-23	341405	801101	205	350	--	A3a3	14.32	191.	12/80	
LE-30	340401	801214	164	110	--	A3a2	14.71	149.	12/80	
LE-36	341724	802029	355	--	175-258	A3a3	114.8	240.	12/80	
LE-37	340500	801336	177	200	--	A3a2	15.	162.	12/80	
LE-44	340847	801702	205	--	278-378	A3a3	14.38	191.	12/80	
LE-45	340601	802239	260	--	155-510	A3a3	58.79	201.	12/80	
LE-53	342057	801804	255	--	200-300	A3a3	34.75	220.	11/82	
LE-60	340636	801334	175	--	340-480	A3a3	3.46	172.	11/82	

Table 2.--Water-level measurements for the period prior to development for the Coastal Plain aquifers of South Carolina (Continued)

Well number	Location[a]		LSD[b] elev. (feet)	Well depth[c] (feet)	Interval screened[d] (feet)	Aquifer[e f]	Depth to water[ghi] (feet)	Water-level elevation	Date measured	Remarks[j]
	Latitude	Longitude								
					-- LEXINGTON COUNTY --					
LEX-51	335749	810505	255	--	61-67	A3a3	35.42	220.	12/53	
LEX-66	335937	811819	550	83	--	A3a3	43.	507.	02/56	
LEX-81	334530	805720	310	192	--	A3a2	160.	150.	06/61	
LEX-85	334410	810620	320	242	--	A3a2	15.	305.	09/63	
LEX-130	335631	810452	180	200	--	A3a3	40.	140.	09/67	
LEX-156	334910	810605	500	--	296-326	A3a3	184.	316.	04/72	
LEX-158	335913	810929	345	--	39-66	A3a3	8.	337.	11/72	
LEX-159	335710	811430	415	--	75-105	A3a3	52.	363.	09/73	
LEX-165	334220	810820	410	--	106-156	A2	86.9	323.	12/80	
LEX-180	334612	811525	440	--	275-305	A3a3	95.7	344.	11/80	
LEX-191	334215	810310	360	--	286-425	A3a2/a3	119.2	241.	11/80	
LEX-192	335101	812202	490	--	120-230	A3a3	98.0	392.	11/80	
LEX-608	335550	812504	660	--	70-170	A3a3	114.0	546.	11/81	

Table 2.--Water-level measurements for the period prior to development for the Coastal Plain aquifers of South Carolina (Continued)

Well number	Location[a] Latitude	Location[a] Longitude	LSD[b] elev. (feet)	Well depth[c] (feet)	Interval screened[d] (feet)	Aquifer[e f]	Depth to water[g h i] (feet)	Water-level elevation	Date measured	Remarks[j]
					-- MARION COUNTY --					
MRN-34	335530	792440	45	186	--	A3a2	F	>45.	09/47	
MRN-37	341100	792400	75	200	--	A3a2	24.	51.	07/48	
MRN-43	341219	791530	100	--	331-375	A3a2	45.	55.	04/51	
MRN-50	340530	791910	80	--	216-226	A3a2	32.	48.	02/54	
MRN-66	340855	791827	90	--	96-123	A3a2	35.5	54.	06/72	
MRN-78B	335143	791950	30	--	1010-1030	A4	+60.8	90.8	04/82	Zone test
MRN-604B	341446	793003	68	--	180-190	A3a2	0.	68.	05/73	Zone test
MRN-604C	341446	793003	68	--	335-345	A3a3	0.3	68.	05/73	Zone test
MRN-605	341416	790854	55	--	131-141	A3a2	2.	53.	12/59	
MRN-606	341220	793220	60	240	--	A3a2	F	>60.	1917	MRN-6 (Cooke, 1936)

Table 2.--Water-level measurements for the period prior to development for the Coastal Plain aquifers of South Carolina (Continued)

Well number	Location[a]		LSD[b] elev. (feet)	Well depth[c] (feet)	Interval screened[d] (feet)	Aquifer[e f]	Depth to water[ghi] (feet)	Water-level elevation	Date measured	Remarks[j]
	Latitude	Longitude								
					-- MARLBORO COUNTY --					
MLB-1	343440	793250	185	150	--	A3a3	54.	131.	02/46	
MLB-7	344010	793250	180	75	--	A3a3	21.28	159.	10/46	
MLB-28	344300	795015	150	--	88-98	A3a3	25.	125.	08/52	
MLB-32	342110	793810	65	150	--	A3a3	+15.48	80.	08/53	
MLB-41	343630	794100	120	95	--	A3a3	5.	115.	08/53	
MLB-55	344450	795040	320	137	--	A3a3	95.	225.	08/53	
MLB-57	344540	795000	320	62	--	A3a3	56.03	264.	08/53	
MLB-69	344617	793942	250	73	--	A3a3	50.	200.	08/53	
MLB-92	344250	795122	120	--	16-89	A3a3	24.	96.	06/54	
MLB-108	344150	793420	205	310	--	A3a3	24.	181.	09/56	
MLB-110	342935	794310	95	--	75-115	A3a3	30.	65.	06/57	
MLB-112	343715	794113	135	--	220-345	A3a3/A4	0.85	134.	02/73	
MLB-140	343358	794104	140	--	72-132	A3a3	14.	126.	08/75	
MLB-143	344208	793627	217	--	97-101	A3a3	22.3	195.	09/80	
MLB-600	342416	793558	125	--	150-240	A3a3	45.8	79.	03/82	

Table 2.--Water-level measurements for the period prior to development for the Coastal Plain aquifers of South Carolina (Continued)

Well number	Location[a] Latitude	Location[a] Longitude	LSD[b] elev. (feet)	Well depth[c] (feet)	Interval screened[d] (feet)	Aquifer[e f]	Depth to water[g h i] (feet)	Water-level elevation	Date measured	Remarks[j]
					-- ORANGEBURG COUNTY --					
ORG-2	333655	810605	280	--	95-125	A2	30.47	250.	05/65	ORG-1 (USGS, 1971)
ORG-3	332940	811650	298	138	--	A2	35.	263.	01/46	#674 (Siple, 1946)
ORG-9	331929	802442	105	278	--	A2	12.	93.	03/46	#670 (Siple, 1946)
ORG-12	332706	810726	250	190	--	A2	23.15	227.	06/48	(Siple, 1975)
ORG-13	332820	805250	175	--	320-340	A2	11.	164.	06/48	(Siple, 1975)
ORG-24	333540	810630	210	--	130-200	A2	+10.	220.	06/54	(Siple, 1975)
ORG-26	331459	804905	121	--	110-120 (OH)	A2	F	>121.	10/56	(Siple, 1975)
ORG-29	332910	805220	165	--	116-206	A2	+20.	185.	06/16	(Siple, 1975)
ORG-40	332100	804043	140	--	228-343	A2	F	>140.	02/59	(Siple, 1975)
ORG-49	332750	805130	176.96 M.P.	--	764-912	A3a3	+12.5	189.5	09/63	(Siple, 1975)
ORG-50	333010	804930	200	212	--	A2	31.98	168.	09/63	(Siple, 1975)
ORG-79	332510	805108	180	--	843-974	A3a3	F	>180.	06/64	(Siple, 1975)
ORG-83	332900	804500	180	--	63-190	A2	6.56	173.	02/65	(Siple, 1975)
ORG-84	332240	810020	195	--	95-147	A2	19.	176.	04/64	(Siple, 1975)
ORG-91	332744	802949	135	--	159-271	A2	12.	124.	05/52	(Siple, 1975)

Table 2.--Water-level measurements for the period prior to development for the Coastal Plain aquifers of South Carolina (Continued)

Well number	Location[a] Latitude	Location[a] Longitude	LSD[b] elev. (feet)	Well depth[c] (feet)	Interval screened[d] (feet)	Aquifer[e f]	Depth to water[g h i] (feet)	Water-level elevation	Date measured	Remarks[j]
					-- ORANGEBURG COUNTY (Continued) --					
ORG-92	332336	802052	120	--	355-413	A2	35.	85.	09/69	(Siple, 1975)
ORG-96	333210	810730	335	303	--	A2	65.	270.	03/73	
ORG-108	332100	804044	140	--	588-940	A3a3/a2	+32.6	173.	12/80	
ORG-109	333641	810608	265	--	238-476	A3a2/a3	38.	227.	01/80	
ORG-123	333625	810006	260	--	288-318	A3a2	59.	201.	09/67	(Siple, 1975)
ORG-132	333201	805401	280	--	292-302	A3a2	105.42	175.	08/81	
ORG-136	332533	805112	180	325	--	A2	20.	160.	02/59	(Siple, 1975)
ORG-169	332342	802049	110	772	--	A3a2	F	>110.	1917	ORG-6 (Cooke, 1936)
ORG-203	332811	805115	180	--	112-168	A2	6.43	174.	08/81	
ORG-220	333238	803510	170	--	117-400	A2/A3a2	52.	118.	01/81	
ORG-221	332739	804001	155	--	707-1007	A3a3	F	>155.	06/80	
ORG-222	331838	803858	130	--	40-300 (OH)	A2	2.	128.	03/81	
ORG-227	332653	810317	230	--	429-489	A3a2	37.	193.	11/80	
ORG-602	333123	803346	155	--	119-240	A2	3.	152.	05/75	
ORG-637	333450	804910	330	190	--	A2	60.	270.	1917	ORG-12 (Cooke, 1936)
ORG-638	333310	810710	330	170	--	A2	70.	260.	1917	ORG-17 (Cooke, 1936)

Table 2.--Water-level measurements for the period prior to development for the Coastal Plain aquifers of South Carolina (Continued)

Well number	Location[a]		LSD[b] elev. (feet)	Well depth[c] (feet)	Interval screened[d] (feet)	Aquifer[e f]	Depth to water[g h i] (feet)	Water-level elevation	Date measured	Remarks[j]
	Latitude	Longitude								
					-- RICHLAND COUNTY --					
RIC-40	340335	805835	385	--	98-245	A3a3	74.	311.	1975	
RIC-52	335244	804133	195	--	102-112	A3a2	37.5	158.	01/76	
RIC-63	334944	803801	145	--	417-542	A3a3	23.5	122.	10/74	
RIC-78	335631	805211	245	--	162-294	A3a3	46.74	198.	12/80	
RIC-79	335631	804116	382	--	226-236	A3a2	199.	183.	08/67	
RIC-102	335645	805220	248	--	140-148	A3a3	60.	188.	1953	
RIC-108	335907	805819	227	91	--	A3a3	65.55	161.	11/53	
RIC-131	335746	805144	370	--	170-205	A3a3	108.46	262.	12/80	
RIC-174	340751	805207	440	70	--	A3a3	53.5	386.	06/60	
RIC-184	341040	805601	400	--	75-223	A3a3	19.	381.	10/61	
RIC-203	335949	810154	293	--	101-106	A3a3	72.5	220.	11/62	
RIC-247	335400	805520	135	230	--	A3a3	4.	131.	1963	
RIC-252	334900	803810	142	--	91-96	A3a2	35.	107.	05/62	
RIC-255	335230	803855	235	--	149-168	A3a2	118.	117.	06/63	
RIC-283	335418	804728	220	--	119-127	A3a2	38.75	181.	01/66	

Table 2.--Water-level measurements for the period prior to development for the Coastal Plain aquifers of South Carolina (Continued)

Well number	Location[a] Latitude	Location[a] Longitude	LSD[b] elev. (feet)	Well depth[c] (feet)	Interval screened[d] (feet)	Aquifer[e f]	Depth to water[ghi] (feet)	Water-level elevation	Date measured	Remarks[j]
				-- RICHLAND COUNTY (CONTINUED) --						
RIC-305	340012	804934	305	--	296-306	A3a3	42.49	263.	12/80	
RIC-313	335725	804842	330	--	190-269	A3a3	120.	210.	02/77	
RIC-322	335045	804831	152	120	--	A3a2	29.37	123.	05/81	
				-- SUMTER COUNTY --						
SU-50	335745	801455	130	250	--	A3a2	+6.65	137.	10/46	
SU-71	335502	801918	145	--	416-742	A3a3/A4	F	>145.	09/53	
SU-85	335905	802832	297	--	167-278	A3a2	120.	177.	08/59	
SU-127	340150	802748	395	--	232-288	A3a2	221.	174.	04/56	
SU-133	335152	802257	170	--	296-587	A3a3/a2	42.	128.	09/65	
SU-151B	334413	802810	184	--	700-750	A3a3	59.1	125.	07/76	
SU-154	335457	803050	280	--	211-238	A3a2	139.	141.	05/69	
SU-156	340306	803235	165	--	145-318	A3a3	25.3	140.	06/77	
SU-160	340627	803311	175	--	110-326	A3a3	22.6	152.	05/81	
SU-178	340154	802535	238	--	145-440	A3a3	57.47	181.	12/80	

Table 2.--Water-level measurements for the period prior to development for the Coastal Plain aquifers of South Carolina (Continued)

Well number	Location[a]		LSD[b] elev. (feet)	Well depth[c] (feet)	Interval screened[d] (feet)	Aquifer[e f]	Depth to water[g h i] (feet)	Water-level elevation	Date measured	Remarks[j]
	Latitude	Longitude								
					-- SUMTER COUNTY (Continued) --					
SU-187	340052	802602	225	--	120-160	A3a2	22.	203.	05/81	
SU-203C	335926	802903	269	--	441-451	A3a3	100.9	168.	01/81	Zone test
SU-207	335719	803206	344	500	--	A3a3	202.5	142.	12/82	
SU-208	340025	802325	188	--	140-260	A3a2	19.47	169.	11/82	
SU-209	340109	802701	282	--	180-280	A3a2	89.67	192.	11/82	
SU-216	340439	803303	178	--	150-338	A3a3	30.45	148.	11/82	
SU-600	335600	802050	177	427	--	A3a2	15.	162.	1917	(Cooke, 1936)
SU-601	335220	802110	140	192 or 324	--	A3a2	+21.5	162.	1917	(Cooke, 1936)

Table 2.--Water-level measurements for the period prior to development for the Coastal Plain aquifers of South Carolina (Continued)

Well number	Location[a]		LSD[b] elev. (feet)	Well depth[c] (feet)	Interval screened[d] (feet)	Aquifer[e f]	Depth to water[g h i] (feet)	Water-level elevation	Date measured	Remarks[j]
	Latitude	Longitude								
					-- WILLIAMSBURG COUNTY --					
WIL-2	334510	792650	55	456	--	A3a2	F	>55.	02/46	#715 (Siple, 1946)
WIL-3	334030	795000	59	630	--	A3a2	+13.	72.	1945	#716 (Siple, 1946)
WIL-7	333340	795600	70	540	--	A3a2	+3.	73.	03/47	
WIL-11	333956	794945	61	--	440-525	A3a2	+5.	66.	01/55	
WIL-15	333452	795915	80	673	--	A3a2	+0.	80.	09/55	
WIL-16	334330	793302	50	--	445-455	A3a2	F	>50.	11/54	
WIL-24	334000	795000	60	60	--	A2/S	11.	49.	05/58	
WIL-26A	334347	794825	60	670	--	A3a3	+29.	89.	1961	Zone test
WIL-26B	334347	794825	60	490	--	A3a2	+10.	70.	1961	Zone test
WIL-36	332940	793240	25	150	--	A2	+10.	35.	05/69	
WIL-37	334451	792710	52	--	832-891	A3a3	+2.	54.	08/70	
WIL-60	334720	794700	70	350	--	A3a2	F	>70.	1966	
WIL-611	333930	793100	45	448	--	A3a2	F	>45.	1917	WIL-6 (Cooke, 1936)

CONTENTS

PLATE
(Plate is in pocket)

TABLES

Table 2.--Water-level measurements for the period prior to development for the Coastal Plain aquifers of South Carolina (Continued)

Well number	Location[a] Latitude	Location[a] Longitude	LSD[b] elev. (feet)	Well depth[c] (feet)	Interval screened[d] (feet)	Aquifer[e f]	Depth to water[ghi] (feet)	Water-level elevation	Date measured	Remarks[j]
					-- NORTH CAROLINA --					
HH39-j2	335340	783517	50.44 M.P.	--	1142-1152	A4	+64.1	114.6	03/73	Calabash J2
DD42-n4	341235	785356	108.11 M.P.	--	238-248	A3a2	53.04	55.07	07/76	Clarendon N4
DD42-n2	341235	785356	108.38 M.P.	--	785-795	A4	19.92	88.46	06/76	Clarendon N2
EE39-o5A	340733	783951	62.33 M.P.	--	800-810	A4	+40.9	103.3	01/77	Zone test, Nakina o5A
BB45-m9	342221	790739	91.09 M.P.	--	164-196	A3a2	17.38	73.71	05/71	Marietta M9
BB45-m2	342221	790739	94.38 M.P.	--	292-358	A3a3	22.71	71.67	02/71	Marietta M2
Z47-m2	343209	791737	145.11 M.P.	--	247-263	A3a3	25.60	119.51	04/71	Rowland M2
Z47-m4	343209	791737	144.60 M.P.	--	73-78	A3a2	20.40	124.20	04/71	Rowland M4
Z47-m1	343209	791737	145.64 M.P.	--	447-495	A4	24.32	121.32	05/71	Rowland M1
BB45-m7	342221	790739	91.08 M.P.	--	468-541	A4	13.75	77.33	04/71	Marietta M7

*All data on this page were obtained from the North Carolina Department of Natural Resources.

Table 2.--Water-level measurements for the period prior to development for the Coastal Plain aquifers of South Carolina (Continued)

[a]Latitudes and longitudes are rounded to the nearest 10 or 30 seconds where location information is less accurate.

[b]"M.P." indicates measuring point altitude rather than LSD (land surface datum).

[c]The well depth is not reported for wells for which a screened interval is reported.

[d]"(OH)" indicates the well is an open hole throughout the designated interval.

[e]See table 1 for aquifer correlation.

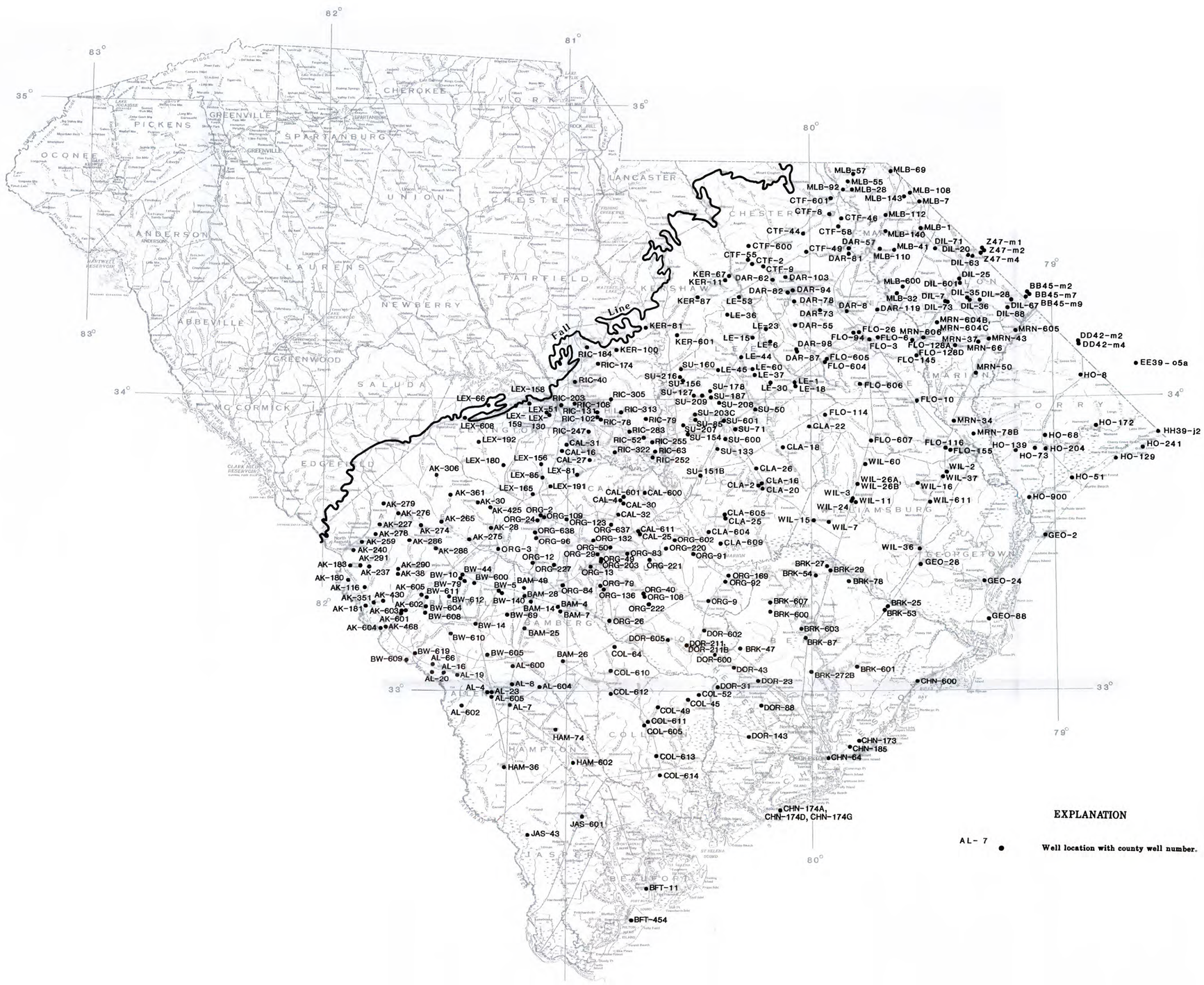
[f]"Ax/Ay" indicates a multi-aquifer well or a well in which the aquifer designation is less certain. The first aquifer listed is the one for which the water level is considered to be most representative.

[g]"+" indicates the water level is above the measuring point.

[h]"F" indicates a flowing well for which there is no water-level measurement. The elevation of the water surface is reported as greater than the LSD or the M.P. elevation.

[i]Water levels corrected for salinity concentrations where necessary.

[j]Data from published sources indicated. Well number noted if source number or other common designation is different from number used in this report.



EXPLANATION

AL- 7 ● Well location with county well number.

Base from U.S. Geological Survey
State base map, 1970

Fall Line from Overstreet and Bell (1965)

LOCATION OF WELLS WITH WATER-LEVEL MEASUREMENTS FOR THE PERIOD PRIOR TO DEVELOPMENT LISTED IN TABLE 2

CONVERSION FACTORS AND ABBREVIATIONS OF UNITS

The following factors may be used to convert the inch-pound units published herein to the International System of units (SI).

Multiply inch-pound units	By	To obtain SI units
foot (ft)	0.3048	meter (m)
mile (mi)	1.609	kilometer (km)
square mile (mi^2)	2.590	square kilometer (km^2)

WATER-LEVEL MEASUREMENTS FOR THE COASTAL PLAIN AQUIFERS OF SOUTH CAROLINA PRIOR TO DEVELOPMENT

By Walter R. Aucott and Gary K. Speiran

ABSTRACT

Tabulations of water-level measurements for the Coastal Plain aquifers of South Carolina representing water levels prior to man-made development are presented. Included with the tabulations are local well number, location, land-surface altitude, well depth, screened interval, depth to water, water-level altitude, and date measured. These water-level measurements were used in compiling regional potentiometric maps for the Coastal Plain aquifers. This data set will be useful in the planning for future water-resource development.

INTRODUCTION

The Coastal Plain of South Carolina covers approximately 20,000 square miles and is bounded by the Fall Line, the Atlantic Ocean, North Carolina, and Georgia. It is underlain by sand, clay, and limestone comprising a system of aquifers that is an important source of water in the area.

Water-level measurements considered to be representative of water levels prior to development of the Coastal Plain aquifers have been used to prepare potentiometric maps (Aucott and Speiran, 1985) of the regional aquifers of the Coastal Plain of South Carolina prior to development. Water-level data used to prepare these maps are presented in this report for use in future studies of the Coastal Plain aquifers. This report results from the first comprehensive analysis of water levels of the Coastal Plain aquifers of South Carolina. The data will be of importance in determining changes in water levels between the period prior to development and various subsequent periods.

AQUIFER DESIGNATIONS

The aquifers of the Coastal Plain of South Carolina have been grouped into five regional aquifers and the Floridan aquifer system for the geohydrologic framework used in the Regional Aquifer System Analysis (RASA) study conducted by the U.S. Geological Survey in South Carolina. The aquifer designations and the geologic formations generally associated with these aquifers are listed in table 1. Descriptions of this geohydrologic framework are found in Aucott and Speiran (1985).

Table 1.--Geohydrologic correlations of aquifer and geologic units

Regional aquifer units	Generally associated[1] geologic units
surficial (S)	Pleistocene coastal terrace deposits
Floridan (F)[2]	Ocala Limestone Santee Limestone[3]
A2	Barnwell Formation McBean Formation Congaree Formation
A3a2	Black Creek Formation
A3a3	Middendorf Formation
A4	Cape Fear Formation

[1]These are geologic formations that are generally associated with a given aquifer. However, a given aquifer may not consist of the same formations in all areas, and locally an aquifer may consist of parts of additional formations not listed.

[2]Carbonate equivalent of aquifer A2.

[3]As a result of the criteria used by Miller (1984) to define the Floridan aquifer system, the updip parts of the Santee Limestone are included within aquifer A2. Because the potentiometric surfaces of aquifer A2 and the Floridan aquifer system are mapped together any future redefinition of the boundary between these units will not affect their combined potentiometric surfaces.

WATER-LEVEL DATA

Water-level measurements presented in table 2 are a compilation of selected data representing water levels prior to significant man-made development in the regional aquifers of the Coastal Plain. The locations of wells for which water levels are presented in table 2 are shown in plate 1. The water-level measurements and well information are from various sources including files, data reports, and county reconnaissance reports from the U.S. Geological Survey; reported measurements from drillers, consulting engineers, and water-system operators; and information from State and local government agencies. Water-level measurements made in the early 1900's to the present day and during all seasons of the year are included. Recent water-level measurements were used only in areas where there have been no large ground-water withdrawals and where it is estimated that no significant changes in water levels have occurred since the period prior to development.

The well numbering system shown in table 2 is a county sequential system. The letter prefix refers to the county and the number refers to the chronological order that a particular well was scheduled in that county. Wells located in the State of North Carolina use the North Carolina Department of Natural Resources grid designation. A letter following the county number usually indicates a zone test. Wells that have been designated in previous publications by another well number are noted in the remarks column with the well number used in that publication.

In table 2, altitudes of land-surface datums (LSD) were determined from topographic quadrangle maps having scales of 1:24,000 or 1:62,500 and contour intervals of 5 to 20 feet. Values noted as "M.P." indicate the elevation is that of the measuring point rather than land surface. More accurate vertical control such as leveling was generally used in obtaining these values.

A few measurements may represent composite water levels from wells screened in more than one aquifer. These measurements were checked with single zone measurements wherever such data were available. Two aquifers are listed in table 2 if the water level may represent a composite or if the selection of an aquifer is in some question. Water levels have been corrected for significant density differences resulting from salinity differences. Density difference corrections were necessary primarily for measurements made in aquifer A4.

Water-level measurements from wells screened in sediments of Paleocene age were usually not used because they did not represent water levels in either overlying (A2 aquifer) or underlying (A3a2 aquifer) units. Occasionally, where measurements appeared to be representative of water levels of the A2 or A3a2 aquifers, they were used and noted using the appropriate aquifer designation followed by a "/P".

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