

Table 174AX Medford

run #	Date	Cored Interval (ft)	Recovery (ft)	% rec.	Primary lithology	Formation
1	24-Apr-07	1.5-6	2.90	64	Glauconitic clay	Manasquan
2	24-Apr-07	6-10	1.10	28	Glauconitic clay	Manasquan/ Vincentown
3	24-Apr-07	10-15	4.5	90	Glauconitic sand to clay	Vincentown
4	24-Apr-07	15-20	4	80	Glauconitic clay	Vincentown
5	25-Apr-07	20-30	7.6	76	Glauconitic sand to clay	Vincentown
6	25-Apr-07	30-32.5	1.6	64	Clayey glauconitic quartz sand	Vincentown
7	25-Apr-07	32.5-34	1.8	120	Calcarenite	Vincentown
8	25-Apr-07	34-40	6.50	108	Calcarenite and glauconitic clayey sand	Vincentown
9	25-Apr-07	40-47	5.7	81	Clayey glauconitic quartz sand; glauconite sand	Vincentown
10	25-Apr-07	47-55	1.6	20	Clayey glauconitic quartz sand with shells over glauconite quartz	Hornerstown
11	25-Apr-07	55-56	0.6	60	Glauconite sand	Hornerstown
12	25-Apr-07	56-60	2.4	60	Slightly clayey glauconite sand	Hornerstown
13	25-Apr-07	60-70	2.3	23	Interbedded clay and glauconite sand	Hornerstown/ Navesink
14	25-Apr-07	70-75	2.5	50	Glauconitic sand to clay	Navesink
15	25-Apr-07	75-80	2.5	50	Clayey glauconitic sand	Navesink
16	25-Apr-07	80-85	5	100	Clayey glauconitic sand	Navesink
17	25-Apr-07	85-90	5.2	104	Shelly clayey glauconite sand	Navesink
18	25-Apr-07	90-100	9.2	92	Glauconite sand over dirty shelly sand	Navesink
19	26-Apr-07	100-107	6.5	93	Glauconitic medium very coarse sand	Navesink Mount Laurel
20	26-Apr-07	107-113	3.9	65	Shelly glauconitic medium to very coarse sand	Mount Laurel
21	26-Apr-07	113-120	6.2	89	Shelly glauconitic medium to very coarse sand	Mount Laurel
22	26-Apr-07	120-130	2.7	27	Shelly glauconitic medium to very coarse sand	Mount Laurel
23	26-Apr-07	130-140	4.1	41	Shelly glauconitic medium to very coarse sand	Mount Laurel
24	26-Apr-07	140-150	5.7	57	Slightly glauconitic fine to medium quartz sand	Mount Laurel
25	26-Apr-07	150-160	8.5	85	Laminated silty fine sand and silt, trace of shells	Mount Laurel
26	26-Apr-07	160-170	2.9	29	Glauconitic fine to medium sand with some clay laminae	Mount Laurel
27	26-Apr-07	170-180	8.3	83	Interbedded silty very fine sand and silty clay; glauconitic	Mount Laurel Wenonah
28	26-Apr-07	180-190	9.7	97	Muddy very fine sands with silty clay	Wenonah
29	26-Apr-07	190-200	8.6	86	Muddy very fine sands with silty clay	Wenonah
30	26-Apr-07	200-210	9.6	96	Glauconitic very fine sandy clayey silt	Wenonah
31	27-Apr-07	210-220	10	100	Glauconitic very fine sandy clayey silt	Wenonah Marshalltown
32	27-Apr-07	220-223.5	2.7	77	Glauconitic very fine sandy clayey silt	Marshalltown

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33	27-Apr-07	223.5-225	1.1	73	Glauconitic very fine sandy clayey silt; sandstone	Marshalltown/ Englishtown
34	27-Apr-07	225-230	1.6	32	Sandstone	up. Englishtown
35	27-Apr-07	230-240	7.5	75	Interbedded quartz sand and clay	up. Englishtown
36	27-Apr-07	240-250	8.9	89	Clayey silt	up. Englishtown
37	27-Apr-07	250-260	10.25	103	Clayey silt	up. Englishtown
38	27-Apr-07	260-270	7.95	80	Silty clay	up. Englishtown
39	28-Apr-07	270-280	7.4	74	Clayey silt	up. Englishtown
40	28-Apr-07	280-290	9.7	97	Clayey silt to silty clay	up. Englishtown
41	28-Apr-07	290-300	10.3	103	Clayey silt to silty clay	up. Englishtown
42	28-Apr-07	300-310	6.7	67	Silty clay	up. Englishtown
43	28-Apr-07	310-320	10	100	Silty clay	up. Englishtown
44	28-Apr-07	320-330	9.5	95	Clayey silt to glauconitic silty clay	up. Englishtown lo. Englishtown
45	28-Apr-07	330-333	3.9	130	Fine to medium quartz sand	lo. Englishtown
46	28-Apr-07	333-340	7	100	Fine to medium quartz sand	lo. Englishtown
47	28-Apr-07	340-350	3.6	36	Very fine sand with clay and silt	lo. Englishtown
48	28-Apr-07	350-360	2	20	Fine sand with clay and silt	lo. Englishtown
49	29-Apr-07	360-362.45	2.45	100	Fine sand with clay and silt; increasing glauconite	lo. Englishtown
50	29-Apr-07	362.45-373	9.4	89	Fine sand with glauconite; clayey silt	lo. Englishtown Woodbury
51	29-Apr-07	373-380	8.2	117	Glauconitic clay and clayey glauconite sand	Woodbury Merchantville
52	29-Apr-07	380-390	10.1	101	Clayey glauconite sand	Merchantville
53	29-Apr-07	390-400	10.1	101	Clayey glauconite sand; silt	Merchantville
54	29-Apr-07	400-405	5.1	102	Clayey glauconite sand	Merchantville
55	29-Apr-07	405-410	5.3	106	Glauconitic sand to clay	Merchantville
56	29-Apr-07	410-420	6.1	61	Glauconitic sand to clay	Merchantville
57	29-Apr-07	420-430	7	70	Glauconitic sand to clay	Merchantville
58	29-Apr-07	430-435	8.2	164	Glauconitic sand to clay	Merchantville ?Cheesequake
59	29-Apr-07	435-440	5.3	106	Glauconitic sand to clay	?Cheesequake Magothy
60	30-Apr-07	440-448.5	5.5	65	Clay	Magothy
61	30-Apr-07	448.5-452.5	3.8	95	Medium to coarse sand	Magothy
62	30-Apr-07	452.5-460	6.5	87	Medium to coarse sand	Magothy
63	30-Apr-07	460-467	5.6	80	Medium to coarse sand	Magothy
64	30-Apr-07	467-467.5	3.9	41	Medium sand to clay	Magothy

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65	30-Apr-07	467.5-480	3.9	111	Clayey silt to silty clay	Magothy
66	30-Apr-07	480-490	8.4	84	Clay to fine quartz sand	Magothy
67	30-Apr-07	490-500	5.9	59	Fine sand with lignitic laminae	Magothy
68	30-Apr-07	500-510	6.2	62	Coarse sand and granules	Magothy
69	1-May-07	510-520	3.25	33	Medium to coarse sand over sandy gravel	Magothy
70	1-May-07	520-526	5.8	97	Clay, clay and silt	Magothy
71	1-May-07	526-528.5	2	80	Very fine very silty clayey sand; sandstone	Magothy
72	1-May-07	528.5-539	9.9	94	Very fine very silty clayey sand; sandstone; medium sand; very	Magothy
73	1-May-07	539-549.5	10.35	99	Fine to medium lignitic sand; sandstone	Magothy
74	1-May-07	549.5-560	9.45	90	Fine to medium lignitic sand; sandstone	Magothy
75	1-May-07	560-570	3.4	34	Silty sand and silty clay	Magothy
76	2-May-07	570-575	4.2	84	Laminated clay with lignite	Raritan
77	2-May-07	575-580	4.7	94	Laminated clay with lignite	Raritan
78	2-May-07	580--585	3	60	Laminated clay with lignite	Raritan
79	2-May-07	585-590	3	60	Laminated clay	Raritan
80	2-May-07	590-600	2.8	28	Laminated clay	Raritan
81	2-May-07	600-610	4.6	46	Clayey silty very fine sand over silty clay over med sand	Raritan
82	2-May-07	610-620	7.5	75	Clay, clay and silt	Raritan
83	3-May-07	620-627	7	100	Laminated clay	Raritan
84	3-May-07	627-635	5.9	74	Lignitic clayey silt to clay	Raritan
85	3-May-07	635-640	4.9	98	Silty clay	Raritan
86	3-May-07	640-650	8.4	84	Quartz sand from fine to medium	Raritan
87	3-May-07	650-660	3.3	33	Medium to coarse sand	Raritan
88	3-May-07	660-670	9.2	92	Quartz sand from fine to medium	Raritan
89	3-May-07	670-675	4	80	Quartz sand from fine to medium	Raritan
90	4-May-07	675-680	3.85	77	Interbedded quartz sand and clay; muddy sand at bottom	Raritan
91	4-May-07	680-688.5	2	24	Muddy sand w granules, mudclasts, siderite; mottled silt at bott	Potomac
92	4-May-07	688.5-690	3.7	247	Silt, mottled, clayey	Potomac
93	4-May-07	690-695	5	100	Silt, mottled, clayey	Potomac
94	4-May-07	695-700	5	100	Clay, very silty, mottled	Potomac
95	4-May-07	700-710	10.2	102	Clayey silt; clay; sand	Potomac
96	4-May-07	710-720	4.7	47	Sand; sand with clay	Potomac
97	5-May-07	720-730	4	40	Coarse to very coarse sand; fine to medium sand	Potomac
98	5-May-07	730-740	3.6	36	Interbedded clay and silty fine to medium sand with some lignit	Potomac
99	5-May-07	740-750	10.5	105	Clayey silt with very fine sand	Potomac
100	5-May-07	750-760	5.5	55	Interbedded silty fine to medium sand and laminated silty clay	Potomac

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101	5-May-07	760-770	5.2	52	Laminated silty fine to medium sand with thin clay beds	Potomac
102	5-May-07	770-780	10	100	Sand, medium with lignite and rip-up clasts	Potomac
103	5-May-07	780-790	6.8	68	Medium to coarse sand	Potomac
104	6-May-07	790-800	7.7	77	Clay	Potomac
105	7-May-07	800-810	10	100	Clay	Potomac
106	7-May-07	810-820	6.8	68	Silty sand and silty clay	Potomac
107	7-May-07	820-830	5.05	51	Medium to coarse sand with lignite	Potomac
108	7-May-07	830-840	5.1	51	Medium to coarse sand with lignite	Potomac
109	7-May-07	840-850	4.7	47	Silty sand and silty clay	Potomac
110	7-May-07	850-859	10.45	116	Mottled clay	Potomac
111	8-May-07	859-869.3	2	19	Mottled red clay	Potomac
112	8-May-07	869.3-879.3	2.4	24	Silty fine to med sand with lignite	Potomac
113	8-May-07	879.3-890	3.8	36	Sand over clay	Potomac
114	9-May-07	890-900	4.15	42	Interbedded quartz sand and grayish clay	Potomac
115	9-May-07	900-910	7.55	76	Mostly medium sand, some clay, some plant debris	Potomac
116	9-May-07	910-920	8.4	84	Mostly sand, coarse, some granules	Potomac
117	9-May-07	920-930	2.5	25	Mostly sand, very coarse to medium, thin clay	Potomac
118	9-May-07	930-940	7.75	78	Mostly silty clay, some sand, clean to very muddy	Potomac
119	10-May-07	940-944.5	3.2	71	Clean fine to medium sand with lignite, clay silt	Potomac
120	10-May-07	944.5-950	5.2	95	Clay, clean fine to medium sand with lignite,	Potomac
121	10-May-07	950-960	8.7	87	Clean fine to medium sand with lignite, paleosol, clay	Potomac
122	10-May-07	960-970	8.6	86	Muddy to clean sand with dark lamination, pyrite at the bottom	Potomac
123	10-May-07	970-980	2.2	22	Sand and clayey sand	Potomac
124	10-May-07	980-990	5	50	Laminated clay over coarse to very coarse sand	Potomac
125	11-May-07	990-1000	1.9	19	Gravel, very coarse sand, and laminated clay	Potomac
126	11-May-07	1000-1010	10	100	Very coarse sand with pebbles and clay laminae	Potomac
127	11-May-07	1010-1020	10	100	Very coarse sand with pebbles and clay laminae	Potomac
128	11-May-07	1020-1030	9.4	94	Very coarse sand with pebbles and clay laminae	Potomac
129	12-May-07	1030-1040	1	10	Sandy, silty clay	Potomac
130	12-May-07	1040-1042	0.9	45	Medium to coarse sand	Potomac
131	12-May-07	1042-1047	3.3	66	Medium to coarse sand	Potomac
132	12-May-07	1047-1055	6.35	79	Medium to coarse sand	Potomac
133	12-May-07	1055-1065	1	10	Gravel	Potomac
134	13-May-07	1065-1070	1	20	Gravel	Potomac
135	13-May-07	1070-1073	0	50	No recovery	Potomac
136	13-May-07	1073-1080	6.2	89	Medium to coarse sand	Potomac
137	13-May-07	1080-1090	2.9	29	Medium to coarse sand	Potomac