

Table 174AX Millville

run #	Date	Cored Interval (ft)	Recovery (ft)	% rec.	Primary lithology	Formation
1	4-May-02	1.5-5	2.90	83	Coarse to very coarse sand	Bridgeton
2	4-May-02	5-9	2.40	60	Slightly silty sandy gravel	Bridgeton
3	4-May-02	9-12	2.40	80	Silty sand, medium to coarse gravelly sand,	Bridgeton
4	4-May-02	12-15	2.50	83	Coarse to very coarse sand	Bridgeton
5	4-May-02	15-15.5	0.50	100	Very coarse sand	Bridgeton
6	4-May-02	15.5-20	0.40	9	Slightly silty sandy gravel	Bridgeton
7	4-May-02	20-25	3.20	64	Silty medium to very coarse sand	Bridgeton
8	4-May-02	25-30	3.20	64	Fine to medium sand; gravel layer	Bridgeton
9	4-May-02	30-31	0.90	90	Gravelly medium to coarse sand; medium to coarse sand	Bridgeton
10	5-May-02	31-35	2.65	66	Gravelly medium to coarse sand; medium to coarse sand	Bridgeton
11	5-May-02	35-40	2.65	53	Medium to coarse sand, clay; gravel; 37.4 ft contact	Bridgeton/ Cohansey
12	5-May-02	40-43	0.40	13	Medium to very coarse sand	Cohansey
13	5-May-02	43-48	3.90	78	Laminated silty clay with sand interbeds	Cohansey
14	5-May-02	48-50	1.85	93	Silty clay??	Cohansey
15	5-May-02	50-55	4.00	80	Interbedded silty fine to very coarse sand and silty clay	Cohansey
16	5-May-02	55-60	4.15	83	Silty fine to medium sand	Cohansey
17	5-May-02	60-65	4.80	96	Silty fine to medium sand	Cohansey
18	5-May-02	65-70	4.50	90	Fine to medium sand w/ clay laminae	Cohansey
19	5-May-02	70-75	4.40	88	Fine to medium sand	Cohansey
20	5-May-02	75-80	3.95	79	Fe-stained clayey sand	Cohansey
21	5-May-02	80-90	7.45	75	Silty fine to medium sand	Cohansey
22	5-May-02	90-100	9.25	93	Silty fine to medium sand	Cohansey
23	6-May-02	100-110	8.15	82	Alternating sand and clay; fine sand	Cohansey
24	6-May-02	110-114.5	3.90	87	Yellow clay; 111.4 ft contact; gray clay	Cohansey
25	6-May-02	114.5-120	4.70	85	Very dark gray clay; 115.3 ft contact; weathered clay; indurated zone; medium to coarse sand	Cohansey
26	6-May-02	120-124.5	2.60	58	Fine to coarse sand	Cohansey
27	6-May-02	124.5-130	2.25	41	Medium to very coarse sand; cyclic coarsening down	Cohansey
28	6-May-02	130-136	4.60	77	Medium to coarse sand; cyclic coarsening down	Cohansey
29	6-May-02	136-140	2.90	73	Medium to coarse sand, cyclical, fining upward?	Cohansey
30	6-May-02	140-150	2.75	28	Medium to coarse sand	Cohansey
31	6-May-02	150-160	7.80	78	Medium sand, very fine sand, silty very fine sand w/ lignite	Cohansey

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32	6-May-02	160-170	6.00	60	Interbedded clay, sand and silt	Kirkwood
33	6-May-02	170-180	4.90	49	Interbedded silty sand and sandy clay; mostly sand below 173 ft	Kirkwood
34	7-May-02	180-185	3.70	74	Interbedded silty sand and sandy clay	Kirkwood
35	7-May-02	185-190	4.30	86	Interbedded silty sand and sandy clay; burrowed contact at 185.7 ft	Kirkwood
36	7-May-02	190-200	9.20	92	Interbedded silty sand and sandy clay	Kirkwood
37	7-May-02	200-204	3.80	95	Silty sand	Kirkwood
38	7-May-02	204-210	0.80	13	Sand	Kirkwood
39	7-May-02	210-220	9.60	96	Silty sand	Kirkwood
40	7-May-02	220-225	4.65	93	Sand/clay contact	Kirkwood
41	7-May-02	225-230	4.40	88	Coarse to very coarse sand	Kirkwood
42	7-May-02	230-235	4.10	82	Coarse to very coarse sand	Kirkwood
43	7-May-02	235-240	3.60	72	Coarse to very coarse sand	Kirkwood
44	8-May-02	240-247.5	6.70	89	Coarse to very coarse sand	Kirkwood
45	8-May-02	247.5-255	7.50	100	Sand over laminated clay-silt/silty very fine sand	Kirkwood
46	8-May-02	255-262	6.00	86	Clay over sand	Kirkwood
47	8-May-02	262-270	6.40	80	Medium sand	Kirkwood
48	8-May-02	270-280	8.00	80	Interbedded sand	Kirkwood
49	8-May-02	280-290	6.30	63	Interbedded sand	Kirkwood
50	8-May-02	290-300	10.10	101	Sand	Kirkwood
51	8-May-02	300-310	5.85	59	Sand/clay contact	Kirkwood
52	9-May-02	310-320	9.50	95	Laminated clay/silt	Kirkwood
53	13-May-02	320-330	9.95	100	Laminated clay/silt	Kirkwood
54	13-May-02	330-340	8.50	85	Laminated clay/silt	Kirkwood
55	13-May-02	340-350	0.40	4	Clay	Kirkwood
56	13-May-02	350-355	0.40	8	Clay	Kirkwood
56A	13 May- 14 May	?340.5-345?	3.30	34	Silty clay	Kirkwood
57	14-May-02	355-359	3.10	78	Slightly glauconitic clay contact slightly micaceous silty clay	Kirkwood
58	14-May-02	359-369	10.60	106	Slightly shelly to shelly silty clay	Kirkwood
59	14-May-02	369-379	10.50	105	Shelly silty clay; shell bed; 372.1 ft contact; uniform silty clay	Kirkwood
60	14-May-02	379-389	7.00	70	Uniform silty clay grading down to clay	Kirkwood

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61	14-May-02	389-400	10.40	95	Clay, interbedded clay and silty clay, silty clay	Kirkwood
62	14-May-02	400-410	9.95	100	Slightly silty slightly shelly clay; granular silty, shelly, fine quartz sand	Kirkwood
63	14-May-02	410-420	7.45	75	Granular silty quartz sand/quartz-glaucouite sand	u. Shark River
64	15-May-02	420-430	10.10	101	Shelly glauconitic medium sand	u. Shark River
65	15-May-02	430-440	0.60	6	Shelly glauconitic medium sand	u. Shark River
66	15-May-02	440-450	9.40	94	Shelly glauconite sand/thin clay beds	u. Shark River
67	15-May-02	450-460	10.00	100	Shelly glauconite sand and sandy clay	u. Shark River
68	15-May-02	460-470	7.90	79	Shelly glauconite sand and sandy clay	u. Shark River
69	15-May-02	470-480	9.50	95	Shelly glauconite sand and sandy clay	u. Shark River
70	15-May-02	480-490	7.75	78	Shelly glauconite sand and sandy clay	u. Shark River
71	16-May-02	490-500	9.95	100	Slightly shelly clayey glauconite-quartz sand with quartz glauconite sand interbeds	u. Shark River
72	16-May-02	500-510	10.20	102	Shelly clayey glauconite-quartz sand, clayey down	u. Shark River
73	16-May-02	510-520	10.40	104	Clayey glauconite quartz sand with increasing clay	u. Shark River
74	16-May-02	520-530	10.00	100	Interbedded clayey glauconite quartz sand and glauconitic clay	u. Shark River
75	16-May-02	530-540	10.20	102	Shelly slightly clayey to clayey glauconitic quartz sand	u. Shark River
76	16-May-02	540-550	8.30	83	Shelly clayey glauconitic quartz sand; clay beds at 556.9-7.1 and 557.6-7.9 ft	u. Shark River
77	16-May-02	550-555	4.90	98	Shelly clayey glauconitic medium quartz sand grading down to glauconitic granular medium to very coarse quartz sand	u. Shark River
78	16-May-02	555-560	5.80	116	Interbedded sandy clay and clayey medium to coarse sand	u. Shark River
79	16-May-02	560-570	8.90	89	Interbedded sandy clay and clayey medium to coarse sand	u. Shark River
80	17-May-02	570-580	9.70	97	Interbedded sandy clay and clayey medium to coarse sand	u. Shark River
81	17-May-02	580-590	10.30	103	Interbedded sandy clay and clayey medium to coarse sand	u. Shark River
82	17-May-02	590-600	10.50	105	Interbedded sandy clay and clayey medium to coarse sand	u. Shark River
83	17-May-02	600-610	10.40	104	Interbedded sandy clay and clayey medium to coarse sand	u. Shark River

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84	17-May-02	610-620	9.45	95	Interbedded sandy clay and clayey medium to coarse sand	u. Shark River
85	17-May-02	620-625	0.50	10	Interbedded sandy clay and clayey medium to coarse sand	u. Shark River
86	17-May-02	625-630	4.90	98	Burrowed fine to medium glauconitic sand	u. Shark River
87	17-May-02	630-640	10.30	103	Medium glauconite sand; abundant mud-lined burrows	u. Shark River
88	17-May-02	640-650	3.75	38	Medium glauconite sand; abundant mud-lined burrows; 640.35 ft contact; underlain by silty clay with glauconite-filled burrows	u. Shark River/ l. Shark River
89	18-May-02	650-651	0.00	0		l. Shark River
90	18-May-02	651-657.5	6.50	100	Silty clay	l. Shark River
91	18-May-02	657.5-665	7.20	96	Clay	l. Shark River
92	18-May-02	665-670	5.45	109	Clay	l. Shark River
93	19-May-02	670-675	4.70	94	Silt	l. Shark River
94	19-May-02	675-680	3.30	66	Silt with thin clay interbeds	l. Shark River
95	19-May-02	680-684	3.70	93	Silt with thin clay interbeds	l. Shark River
96	19-May-02	684-694	10.10	101	Interbedded silt/clay with glauconite at base	l. Shark River
97	19-May-02	694-700	5.00	83	Clayey silt with increasing glauconite	l. Shark River
98	19-May-02	700-710	10.70	107	Laminated clayey silt and clay	l. Shark River
99	19-May-02	710-720	9.85	99	Silty clay with porcellanite	l. Shark River
100	20-May-02	720-730	3.40	34	Clay	l. Shark River
101	20-May-02	730-740	4.25	43	Clay; 731.9 ft contact	l. Shark River/ Manasquan
102	20-May-02	740-745	5.80	116	Foraminiferal rich clay	Manasquan
103	20-May-02	745-754	9.30	103	Foraminiferal rich clay	Manasquan
104	20-May-02	754-760	5.40	90	Foraminiferal rich clay and minor claystone	Manasquan
105	20-May-02	760-770	9.80	98	Foraminiferal rich clay and minor claystone	Manasquan
106	21-May-02	770-780	8.20	82	Foraminiferal rich clay and minor claystone	Manasquan
107	21-May-02	780-790	6.40	64	Foraminiferal rich clay and minor claystone	Manasquan
108	21-May-02	790-797.5	8.00	107	Foraminiferal rich clay and minor claystone	Manasquan
109	21-May-02	797.5-803	4.50	82	Foraminiferal rich clay and minor claystone	Manasquan
110	22-May-02	803-806	1.25	42	Foraminiferal rich clay	Manasquan
111	22-May-02	806-810	2.80	70	Foraminiferal rich clay, slightly glauconitic	Manasquan
112	22-May-02	810-816	5.40	90	Foraminiferal rich clay, slightly glauconitic	Manasquan
113	22-May-02	816-820	5.20	130	Clay	Manasquan

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114	22-May-02	820-830	8.15	82	Clay	Manasquan
115	22-May-02	830-840	4.50	45	Clay, slightly glauconitic	Manasquan
116	23-May-02	840-850	8.50	85	Clay, slightly glauconitic, 847 ft contact	Manasquan/ Vincentown
117	23-May-02	850-860	10.10	101	Silty clay to clay	Vincentown
118	23-May-02	860-870	10.50	105	Clay	Vincentown
119	23-May-02	870-880	10.45	105	Clay	Vincentown
120	23-May-02	880-890	10.55	106	Clay	Vincentown
121	24-May-02	890-900	10.65	107	Clay; 899.25 ft contact; glauconitic clay	Vincentown
122	24-May-02	900-910	10.50	105	Glauconitic silty clay	Vincentown
123	24-May-02	910-920	10.30	103	Glauconitic silty to slightly silty clay	Vincentown
124	29-May-02	908B-910B	2.60	-26	Glauconitic silty to slightly silty clay	Vincentown
125	29-May-02	910B-920B	10.25	103	Slightly glauconitic clayey silt	Vincentown
126	29-May-02	920-930	10.40	104	Slightly silty clay	Vincentown
127	29-May-02	930-937	7.70	103	Clay and silty clay	Vincentown
128	30-May-02	937-940	2.60	104	Micaceous, slightly glauconitic silty clay	Vincentown
129	30-May-02	940-950	9.70	97	Micaceous, slightly glauconitic silty clay	Vincentown
130	30-May-02	950-957.5	7.60	101	Micaceous, slightly glauconitic silty clay	Vincentown
131	30-May-02	957.5-960	2.33	93	Micaceous, slightly glauconitic silty clay; shell concentration at 959.1 ft	Vincentown
132	30-May-02	960-970	10.12	101	Glauconitic silty clay to very glauconitic clay	Vincentown
133	30-May-02	970-980	10.15	102	Glauconite sand, contact at 970.2 ft	Vincentown/ Hornerstown
134	31-May-02	980-985	5.20	104	Glauconite sand; clay with some glauconite sand, contact at 983.3 ft	Hornerstown/ New Egypt
135	31-May-02	985-995	10.40	104	Clayey glauconite sand; clay with glauconite	New Egypt
136	31-May-02	995-1000	4.70	94	Clay with glauconitic sand	New Egypt
137	31-May-02	1000-1010	10.20	102	Silty clay with glauconite sand	New Egypt
138	31-May-02	1010-1020	6.40	64	Cemented foraminiferal rich clay and clayey glauconite sand	Red Bank/ Navesink
138A	1-Jun-02				Note: recovered 1.3 ft lost from bottom of Run 38 yesterday; added to 5.1 ft recovered yesterday	
139	1-Jun-02	1020-1030	9.10	91	Burrowed clayey silt with glauconitic sand	Navesink
140	1-Jun-02	1030-1040	10.20	102	Burrowed clayey silt or silty clay with and glauconite sand and some quartz sand; claystone; 1032.9 ft contact	Navesink/Mount Laurel-Wenonah

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141	1-Jun-02	1040-1050	9.90	99	Clayey silt with increasing glauconite downward, glauconite sand at base; 1049.7 ft contact	Mount Laurel Wenonah/ Marshalltown
142	1-Jun-02	1050-1060	10.10	101	Very silty sand or sandy silt, glauconite-rich, burrowed, contact at 1059.5 ft	Marshalltown/ Englishtown
143	1-Jun-02	1060-1070	9.60	96	Very fine to fine, silty sand	Englishtown
144	2-Jun-02	1070-1080	8.65	87	Very fine to fine, silty sand	Englishtown
145	2-Jun-02	1080-1090	10.30	103	Very fine to fine, silty sand	Englishtown
146	2-Jun-02	1090-1100	10.10	101	Very fine to fine, silty sand	Englishtown
	B-hole					
147	13-Jun-02	1070-1080b	8.50	85	Very fine to fine, silty sand	Englishtown
148	13-Jun-02	1080-1090b	7.40	74	Very fine to fine, silty sand, contact at 1086.85 ft	Englishtown
149	13-Jun-02	1090-1100b	3	27	Very fine to fine, silty sand	Englishtown
150	14-Jun-02	1100-1110b	2.10	21	Micaceous, slightly sandy silty clay	Woodbury
151	14-Jun-02	1110-1120b	10.00	100	Micaceous, slightly sandy, slightly glauconitic silty clay	Woodbury
152	14-Jun-02	1120-1130	9.90	99	Micaceous, slightly sandy, slightly glauconitic silty clay	Woodbury
153	14-Jun-02	1130-1140	10.50	105	Slightly micaceous glauconitic silty clay	Woodbury
154	15-Jun-02	1140-1150	10.20	102	Slightly micaceous silty clay	Woodbury
155	15-Jun-02	1150-1160	10.40	104	Micaceous silty clay	Woodbury
156	15-Jun-02	1160-1170	4.70	47	Micaceous silty clay	Woodbury
157	15-Jun-02	1170-1180	10.25	103	Micaceous clay	Woodbury
158	15-Jun-02	1180-1190	7.60	76	Clayey silt	Woodbury
159	16-Jun-02	1190-1200	10.35	104	Silty clay	Woodbury
160	16-Jun-02	1200-1210	10.60	106	Silty clay	Woodbury
161	16-Jun-02	1210-1220	10.65	107	Clay changing to clayey glauconite sand, contact at 1210.9 ft	Woodbury/ Merchantville
162	16-Jun-02	1220-1230	10.30	103	Clayey glauconite sand	Merchantville
163	16-Jun-02	1230-1240	10.00	100	Clayey glauconite sand	Merchantville
164	17-Jun-02	1240-1245	4.60	92	Clayey glauconite sand	Merchantville
165	17-Jun-02	1245-1250	5.90	118	Clayey glauconite sand; sand and interbedded clay; 1246.25 ft contact	Merchantville/ Cheesequake
166	17-Jun-02	1250-1260	7.90	79	Clayey sand over oxidized sand, silt, and clay, contact at 1254.4 ft	Cheesequake/ Magothy
167	17-Jun-02	1260-1270	3.20	32	Mottled clay	Magothy
168	17-Jun-02	1270-1280	10.40	104	Mottled clay; gray clay at bottom	Magothy

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169	18-Jun-02	1280-1285	4.95	99	Gray silty clay	Magothy
170	18-Jun-02	1285-1292	7.30	104	Gray silty clay	Magothy
171	18-Jun-02	1292-1300	0.20	3	Sandstone	Magothy
172	18-Jun-02	1300-1310	1.70	17	Sandstone; 1300.6 ft contact; gray shelly, silty clay	Magothy/ Bass River
173	18-Jun-02	1310-1318.5	8.50	100	Gray shelly, silty clay	Bass River
174	19-Jun-02	1318.5-1320	1.20	80	Shelly micaceous very slightly silty clay	Bass River
175	19-Jun-02	1320-1330	6.15	62	Shelly micaceous clay	Bass River
176	19-Jun-02	1330-1340	3.25	33	Shelly slightly micaceous very slightly silty clay	Bass River
177	19-Jun-02	1340-1350	8.10	81	Shelly slightly micaceous silty clay	Bass River
178	19-Jun-02	1350-1360	10.55	106	Shelly slightly micaceous silty clay	Bass River
179	20-Jun-02	1360-1370	5.95	60	Shelly slightly micaceous silty clay	Bass River
180	20-Jun-02	1370-1380	9.00	90	Shelly slightly micaceous silty clay	Bass River
181	20-Jun-02	1380-1390	7.75	78	Shelly slightly micaceous silty clay	Bass River
182	20-Jun-02	1390-1400	4.40	44	Shelly slightly micaceous silty clay	Bass River
183	21-Jun-02	1400-1410	0.65	7	Slightly glauconitic shelly sandstone	Bass River
184	21-Jun-02	1410-1420	6.80	68	Silt; glauconite sand; silt; clay	Bass River
185	21-Jun-02	1420-1430	9.20	92	Clay, ?contact at 1422.1 ft	Bass River/ Potomac
186	21-Jun-02	1430-1435	5.00	100	Clay	Potomac
187	22-Jun-02	1425-1440	1.65	33	Clay	Potomac
188	22-Jun-02	1440-1450	2.65	27	Clay	Potomac
189	22-Jun-02	1450-1452	2.15	108	Clay	Potomac
190	22-Jun-02	1452-1460	2.30	29	Clay	Potomac
191	22-Jun-02	1460-1470	2.10	21	Clay	Potomac
192	23-Jun-02	1470-1480	5.35	54	Clay	Potomac
193	23-Jun-02	1480-1490	3.00	30	Clay	Potomac
194	23-Jun-02	1490-1500	5.50	55	Clay	Potomac