

Table 174AX Sea Girt

run #	Date	Cored Interval (ft)	Recovery (ft)	% rec.	Primary lithology	Formation
1	24-Sep-03	1.-5.5	3.15	70	Coarse to very coarse sand	Cape May
2	24-Sep-03	5.5-10.5	2.2	44	Medium sand	Cape May
3	24-Sep-03	10.5-14	1.55	44	Coarse sand	Cape May
4	24-Sep-03	14-20	1.5	25	Medium sand	?Cape May
5	24-Sep-03	20-30	4.2	42	Medium sand	Kirkwood
6	24-Sep-03	30-35	1.0	20	Laminated silt and clay	Kirkwood
7	24-Sep-03	35-40	1.4	28	Clay	Kirkwood
8	24-Sep-03	40-45	3.1	62	Clay	Kirkwood
9	24-Sep-03	45-50	4.6	92	Sand	Kirkwood
10	24-Sep-03	50-60	9.2	24	Sand	Kirkwood
11	24-Sep-03	60-70	10.0	100	Sand	Kirkwood
12	24-Sep-03	70-80	6.7	67	Sand	Kirkwood
13	24-Sep-03	80-90	9.9	99	Sand	Kirkwood
14	25-Sep-03	90-100	6.5	65	Interlaminated sand, silt and clay	Kirkwood
15	25-Sep-03	100-110	7.4	74	Interlaminated sand, silt and clay	Kirkwood
16	25-Sep-03	110-120	1.7	17	Interlaminated sand, silt and clay	Kirkwood
17	25-Sep-03	120-130	5.9	59	Interlaminated sand, silt and clay	Kirkwood
18	25-Sep-03	130-140	6.3	63	Interbedded silt and clay, muddy sand	Kirkwood
19	25-Sep-03	140-150	6.85	69	Interbedded silt and clay, muddy sand	up. Shark River
20	25-Sep-03	150-155	2.5	50	Interbedded silt and clay, muddy sand	up. Shark River
21	25-Sep-03	155-160	5.2	104	Interbedded silt and clay, muddy sand	up. Shark River
22	25-Sep-03	160-170	9.2	92	Muddy sand	up. Shark River
23	26-Sep-03	170-180	10.0	24	Slightly glauconitic shelly clayey silt	up. Shark River
24	26-Sep-03	180-190	10.0	100	Shelly glauconitic sandy clay silt	up. Shark River
25	26-Sep-03	190-200	10.3	103	Shelly glauconitic sandy clay silt	up. Shark River
26	26-Sep-03	200-210	10.15	102	Slightly glauconitic clay	up. Shark River
27	29-Sep-03	210-215	2.4	48	Fossiliferous glauconitic slightly silty clay	up. Shark River
28	29-Sep-03	215-220	4.2	84	Fossiliferous glauconitic slightly silty clay	up. Shark River
29	29-Sep-03	220-230	10.7	107	Glauconitic clay and clayey glauconite sand; contact 228.1 ft	up. Shark River
30	29-Sep-03	230-240	6.5	65	Glauconitic clay and clayey glauconite sand; contact at 236.1 ft	up. Shark River/ lo. Shark River
31	29-Sep-03	240-250	7.4	74	Slightly silty, slightly glauconitic clay	lo. Shark River
32	29-Sep-03	250-260	9.45	95	Indurated slightly glauconitic clay	lo. Shark River
33	29-Sep-03	260-270	9.4	94	Glauconitic clay and clayey glauconite sand	lo. Shark River
34	29-Sep-03	270-280	10.0	100	Glauconitic sandy clay; contact at 271.75 ft	lo. Shark River/ Manasquan
35	29-Sep-03	280-290	10.0	100	Silty clay	Manasquan

Table 174AX Sea Girt

run #	Date	Cored Interval (ft)	Recovery (ft)	% rec.	Primary lithology	Formation
36	29-Sep-03	290-300	2.0	20	Clay and porcellanite	Manasquan
37	30-Sep-03	300-310	7.7	77	Foram rich clay/porcellanite	Manasquan
38	30-Sep-03	310-320	7.8	78	Foram rich clay	Manasquan
39	30-Sep-03	320-330	7.6	76	Foram rich clay	Manasquan
40	30-Sep-03	330-340	9.6	96	Clay, laminated silt, glauc. silty vf sand	Manasquan
41	30-Sep-03	340-350	7.5	75	Silty clay/sl. glauc. sandy (vf) silt	Manasquan
42	30-Sep-03	350-360	10.2	102	Clay over glauconite sand	Manasquan
43	30-Sep-03	360-370	6.65	67	Glauconitic clay/clay; contact at 365.2 ft	Manasquan/ Unnamed clay
44	30-Sep-03	370-380	7.15	72	Clay	Unnamed clay
45	30-Sep-03	380-390	7.0	70	Clay/glauconite silty clay; contact at 384.7 ft	Unnamed clay/ Vincentown
46	30-Sep-03	390-400	9.6	96	clay/glauconite silty clay	Vincentown
47	1-Oct-03	400-410	9.9	99	Clayey silt	Vincentown
48	1-Oct-03	410-420	10.4	104	Clayey silt	Vincentown
49	1-Oct-03	420-430	7.3	73	silty clay	Vincentown
50	1-Oct-03	430-440	10.4	104	clayey silt to glauconitic clayey silt	Vincentown
51	1-Oct-03	440-450	9.9	99	Slightly glauconitic silty clay to glauconitic silty clay	Vincentown
52	2-Oct-03	450-460	7.2	72	Glauconitic clay silt/silty glauconite sand	Vincentown
53	2-Oct-03	460-465	4.35	87	Gglauconite sand/silt	Vincentown
54	2-Oct-03	465-470	5	100	Glauconite sand and shell hash	Hornerstown
55	2-Oct-03	470-475	4.3	86	Silty glauconitic quartz sand w/shells	Hornerstown
56	2-Oct-03	475-485	10.2	102	Silty glauconite sand; contacts 478.1 and 484.4	Hornerstown
57	2-Oct-03	485-490	3.5	70	Interbedded glauconitic silty clay and sandy silt	Hornerstown
58	2-Oct-03	490-500	5.2	52	Interbedded glauconitic silty clay and sandy silt; contact at 499.6 ft	Hornerstown/ Navesink
59	2-Oct-03	500-505	4.4	88	Interbedded glauconitic silty clay and sandy silt	Navesink
60	3-Oct-03	505-510	5	100	Glauconitic silt	Navesink
61	3-Oct-03	510-520	9.9	99	Glauconitic silt	Navesink
62	3-Oct-03	520-530	10.1	101	Glauconitic silt	Navesink
63	3-Oct-03	530-540	7.6	76	Glauconite silt/silty glauconite sand	Navesink
64	3-Oct-03	540-550	10.3	103	Silty glauconite sand	Navesink
65	3-Oct-03	550-560	10	100	Silty glauconite sand	Navesink
66	3-Oct-03	560-568.5	8.5	100	Clayey glauconite sand and quartz sand; contact 565 ft	Navesink/ Mount Laurel
67	3-Oct-03	568.5-575	2.5	38	Quartz sand	Mount Laurel
68	4-Oct-03	575-580	2.9	58	Bioturbated medium sand	Mount Laurel
69	4-Oct-03	580-590	10.2	102	Sand with some silt interbeds	Mount Laurel

Table 174AX Sea Girt

run #	Date	Cored Interval (ft)	Recovery (ft)	% rec.	Primary lithology	Formation
70	4-Oct-03	590-600	10.35	104	Fine sand and interbedded clayey silt	Mount Laurel
71	4-Oct-03	600-605	2.35	47	Clayey silty vf sand and interbedded m. sand	Mount Laurel
72	4-Oct-03	605-610	5.4	108	Fine sand and interbedded clay	Mount Laurel
73	5-Oct-03	610-620	4.8	48	Fine sand and interbedded clay	Mount Laurel
74	5-Oct-03	620-630	9.15	92	Fine sand and interbedded clay	Mt. Laurel/ Wenonah
75	5-Oct-03	630-640	2.5	25	Interbedded silt and clay	Wenonah
76	5-Oct-03	640-650	3.4	34	Interbedded silt and clay	Wenonah
77	6-Oct-03	650-660	3.3	33	Micaceous silt with sand interbeds	Wenonah
78	6-Oct-03	660-667	6.9	99	Silt with sand laminae/ glauconitic sand contact 666.5	Wenonah
79	6-Oct-03	667-672	4.45	89	Glauconitic silt with sand laminae	Wenonah
80	6-Oct-03	672-677.5	5.5	100	Glauconitic silt with sand laminae/glauconite sand; contact at 675.7 ft	Wenonah/ Marshalltown
81	6-Oct-03	677.5-682	4.05	90	Glauconitic silt to silty glauconitic sand	Marshalltown
82	6-Oct-03	682-690	9.2	115	Glauconitic silt/sandy silt; contact at 687.2 ft	Marshalltown/ Englishtown
83	7-Oct-03	690-700	10	100	Fine to medium sand w/interbedded thin silts and lignite	up. Englishtown
84	7-Oct-03	700-710	10	100	Fine to Medium sand w/ interbedded lignite, dark silts	up. Englishtown
85	8-Oct-03	710-713	1.85	62	Interbedded sands and clays	up. Englishtown
86	8-Oct-03	713-720	6.7	96	Lignitic sand with lignite and clay laminae	up. Englishtown
87	8-Oct-03	720-730	9	90	Lignitic sand with lignite and clay laminae	up. Englishtown
88	8-Oct-03	730-740	9.4	94	Lignitic sand with lithic clast beds and clay laminae	up. Englishtown
89	8-Oct-03	740-750	5.9	59	Lignitic medium-fine sand with clay lamina, clay beds and indurated zones	up. Englishtown
90	9-Oct-03	750-760	0.6	6	Lignite, concretions, clay	up. Englishtown
91	9-Oct-03	760-760.4	0.4	100	Lignite, concretions, clay	up. Englishtown
92	9-Oct-03	760.4-770	6.3	66	Interbedded silt and clay	up. Englishtown
93	9-Oct-03	770-780	4.8	48	Interbedded silt and clay	up. Englishtown
94	9-Oct-03	780-790	7.1	71	Interbedded silt and clay	up. Englishtown
95	9-Oct-03	790-800	10.4	104	Interbedded silt and clay	up. Englishtown
96	10-Oct-03	800-810	7.9	79	Interbedded silt and clay	up. Englishtown
97	10-Oct-03	810-820	9.7	97	Clay	up. Englishtown
98	10-Oct-03	820-830	9.9	99	Clay and glauconitic clay	up. Englishtown
99	11-Oct-03	830-840	9.3	93	Clauconitic clay/clayey glauconite-quartz sand; contact at 837.7 ft; sandstone/micaceous quartz sand	up Englishtown/ lo Englishtown
100	11-Oct-03	840-850	1.5	15	Micaceous, quartz sand w/ some shells	lo. Englishtown
101	11-Oct-03	850-860	4	40	Silty micaceous quartz sand	lo. Englishtown
102	12-Oct-03	860-861	0.9	90	Micaceous quartz sand	lo. Englishtown

Table 174AX Sea Girt

run #	Date	Cored Interval (ft)	Recovery (ft)	% rec.	Primary lithology	Formation
103	12-Oct-03	861-870	9.5	106	Interbedded sand and silt	lo. Englishtown
104	12-Oct-03	870-880	2.9	29	Micaceous sand	lo. Englishtown
105	12-Oct-03	880-890	8.4	84	Micaceous sand	lo. Englishtown
106	12-Oct-03	890-900	8.15	82	Clayey silt	Woodbury
107	12-Oct-03	900-910	10.3	103	Silty clay	Woodbury
108	13-Oct-03	910-920	9.9	99	Micaceous, shelly silty clay	Woodbury
109	13-Oct-03	920-930	10.35	104	Micaceous, shelly silty clay	Woodbury
110	13-Oct-03	930-940	10	100	Slightly glauconitic clay, with some silt	Woodbury
111	16-Oct-03	940-950	7.1	71	Glauconitic clay; contact at 943.5 ft	Woodbury/ Merchantville
112	16-Oct-03	950-960	5.1	51	Glauconitic clay and clayey glauconite sand	Merchantville
113	16-Oct-03	960-960.6	0.6	100	Glauconitic clay and clayey glauconite sand	Merchantville
114	16-Oct-03	960.6-970	3.9	41	Glauconitic clay and clayey glauconite sand	Merchantville
115	17-Oct-03	970-974	0	0	No recovery	Merchantville
116	17-Oct-03	974-980	6	98	Glauconitic silty clay	Merchantville
117	17-Oct-03	980-990	10.2	102	Glauconite sand	Merchantville
118	17-Oct-03	990-993	3.2	107	Glauconitic very fine sand	Merchantville
119	17-Oct-03	993-1000	7	100	Glauconitic very fine sandy silt	Merchantville
120	18-Oct-03	1000-1010	9.2	92	Glauconitic very fine sandy silt	Merchantville
121	18-Oct-03	1010-1020	5.7	57	Glauconitic very fine sand	Merchantville
122	18-Oct-03	1020-1030	10.1	101	Glauconitic very fine sand	Merchantville
123	18-Oct-03	1030-1033	2.6	87	Glauconitic very fine sand	Merchantville
124	18-Oct-03	1033-1037.5	4.3	96	Glauconitic very fine sand	Merchantville
125	18-Oct-03	1037.5-	0.4	4	Clayey glauconite sand	Merchantville
126	18-Oct-03	1047.5-1050	1.7	68	Clayey glauconite sand	Merchantville
127	19-Oct-03	1050-1060	0.6	6	Clayey glauconite sand	Merchantville
128	19-Oct-03	1060-1070	0.5	5	Micaceous silt with some glauc sand	Cheesequake
129	23-Oct-03	1070-1074	4.4	110	Interbedded clay and sand	Magothy
130	2-Nov-03	1074-1080	4.4	73	Interbedded clay and sand	Magothy
131	2-Nov-03	1080-1090	5.7	57	Interbedded clay and sand	Magothy
132	2-Nov-03	1090-1100	3.1	31	Interbedded clay and sand	Magothy
133	2-Nov-03	1100-1110	9.35	94	Interbedded clay and sand	Magothy
134	3-Nov-03	1110-1120	0.65	7	Clay and sand	Magothy
135	3-Nov-03	1120-1130	10.2	102	Sand with clay interbeds	Magothy
136	3-Nov-03	1130-1140	10.2	102	Sand with clay interbeds	Magothy
137	4-Nov-03	1140-1150	9.75	98	Sand with clay interbeds	Magothy
138	4-Nov-03	1150-1160	9.25	93	Clay and interbedded sand	Magothy
139	4-Nov-03	1160-1170	8.7	87	Clay and interbedded sand	Magothy

Table 174AX Sea Girt

run #	Date	Cored Interval (ft)	Recovery (ft)	% rec.	Primary lithology	Formation
140	4-Nov-03	1170-1180	10	100	Laminated sand and lignite	Magothy
141	5-Nov-03	1180-1190	6.25	63	Laminated sand, clay and lignite	Magothy
142	5-Nov-03	1190-1200	9.8	98	Sand with laminated clay and lignite	Magothy
143	5-Nov-03	1200-1210	4.7	47	Sand with laminated clay and lignite	Magothy
144	5-Nov-03	1210-1220	6.8	68	Mmedium to coarse sand	Magothy
145	5-Nov-03	1220-1230	0.4	4	Coarse to very coarse sand	Magothy
146	5-Nov-03	1230-1240	3.5	35	Mmedium to very coarse sand	Magothy
147	6-Nov-03	1240-1250	9.8	98	Interbedded sand and clay; contact at 2.05; mottled red and white clay	Magothy
148	6-Nov-03	1250-1260	4	40	Mottled red and white clay	Magothy
149	6-Nov-03	1260-1270	10	100	Sand with interbedded clay and sand	Magothy
150	6-Nov-03	1270-1280	3	30	Sand, lignitic m-vc withinterbedded clay	Magothy
151	6-Nov-03	1280-1289	6.5	72	Interbedded sand (granuliferous-medium) and sandsilty clays	Magothy
152	7-Nov-03	1289-1300	5.85	53	White/dark gray slightly sandy micaceous silt; contact at 1290.7 ft	Magothy/ Bass River
153	7-Nov-03	1300-1310	4.85	49	Micaceous silt; sandy and clayey interbeds	Bass River
154	7-Nov-03	1310-1320	10.7	107	Micaceous silt to clayey silt	Bass River
155	7-Nov-03	1320-1330	8.1	81	Micaceous clayey silt to silty clay	Bass River
156	7-Nov-03	1330-1340	9.65	97	Clay with interbeds of lighter clay and lignite	Bass River
157	7-Nov-03	1340-1350	9.5	95	Interbedded clay, high shell concentration	Bass River
158	7-Nov-03	1350-1360	10.6	106	Slightly silty clay	Bass River
159	7-Nov-03	1360-1370	7.75	78	Slightly silty clay w/thin sand bed	Bass River
160	8-Nov-03	1370-1380	10	100	Clay with commom shell beds	Bass River
161	8-Nov-03	1380-1390	9.9	99	Clay with shells; 1.5 ft of calcarenite	Bass River
162	8-Nov-03	1390-1400	10.1	101	Clay w/some sand and shell interbeds; 1 ft calcarenite bed	Bass River
163	8-Nov-03	1400-1410	10	100	Clay with sandy interbeds	Bass River
164	8-Nov-03	1410-1420	9.7	97	Interbedded silty sand/sandy clay w/ calcarenite	Bass River
165	8-Nov-03	1420-1430	10.4	104	Interbedded silty sand/sandy clay	Bass River
166	8-Nov-03	1430-1440	8.9	89	Interbedded silty sand/sandy clay	Bass River
167	8-Nov-03	1440-1450	10.45	105	Silt, lignitic, occasionally shelly, occasionally granuliferous, scattered lignite, laminae and bioturbated	Bass River
168	8-Nov-03	1450-1460	7.9	79	Clayey micaeous silt and shell bed; sequence boundary at ?1459 ft	Bass River
169	9-Nov-03	1460-1470	5.1	51	Silghtly silty clay	Bass River
170	9-Nov-03	1470-1480	6.2	62	Silty clay to sandy silty clay; sand bed at base	Bass River

Table 174AX Sea Girt

run #	Date	Cored Interval (ft)	Recovery (ft)	% rec.	Primary lithology	Formation
171	9-Nov-03	1480-1490	9.65	97	Clayey silt with distinct banding, an organic-rich bed in middle	Bass River
172	9-Nov-03	1490-1500	9.7	97	Clayey silt in upper half, changes to sand in lower half	?Bass River
173	9-Nov-03	1500-1510	7.5	75	Sand in upper part to clayey bioturbated silt at bottom	?Bass River
174	9-Nov-03	1510-1520	1.8	18	Clay, claystone layer	?Bass River
175	10-Nov-03	1520-1530	4.8	48	Clay, sequence boundary at 1520.2 ft, fine sand	?Bass River
176	10-Nov-03	1530-1540	4.8	48	Fine sand; contact 1534.2 ft; clay w/ sand lam	?Bass River
177	10-Nov-03	1540-1550	3.8	38	Clay and interbedded sand	?Bass River
178	10-Nov-03	1550-1560	6.4	64	Clay and interbedded sand	?Bass River
179	10-Nov-03	1560-1568.5	5.4	64	Lignitic silty clay/sugar sands/tight clays	Potomac
180	10-Nov-03	1568.5-1570	0.8	53	Gray clay	Potomac
181	10-Nov-03	1570-1580	9.65	97	Mottled gray lignitic clay, slightly clayey silt with sphaerosiderite, and silty clay	Potomac
182	10-Nov-03	1580-1590	10	100	Clayey silts to silty clay with root casts and sphaerosiderite	Potomac
183	11-Nov-03	1590-1600	8.1	81	Sand	Potomac