

Table 150X Island Beach

run #	Date	Cored Interval (ft)	Run length (ft)	Recovery (ft)	% rec.	Primary lithology	Formation
1	25-Mar-93	7-8	1	1	100	m-c sand	Cape May
2		8-11	3	1.5	50	m-c sand	Cape May
3		11-14	3	3	100	m-vc sand	Cape May
4		14-18	4	2.5	63	m-vc sand	Cape May
5		18-23	5	3.13	63	p m-c sand	Cape May
6		23-28	5	4.25	85	p m-c sand	Cape May
7		28-33	5	4.5	90	p m-c sand	Cape May
8		33-38	5	2.9	58	m-c sand	Cape May
9		38-43	5	1.1	22	c-vc sand	Cape May
10		43-48	5	2.5	50	sandy mud	Cape May
11		48-53	5	4.9	98	sandy mud muddy sand	Cape May
12		53-58	5	3.7	74	sticky mud	Cape May
13	26-Mar-93	58-63	5	2.6	52	m-c sand; casing set	Cape May
14		63-68	5	4.3	86	sandy mud	Cape May
15		68-73	5	3.2	64	m-c sand w/ clay layer	Cape May
16		73-78	5	2.7	54	pebbly conglom	Cape May
17		78-83	5	3	60	clay	Kirkwood
18		83-88	5	5	100	clay	Kirkwood
19		88-93	5	5	100	clay-muddy sand	Kirkwood
20		93-98	5	4.2	84	m-c sands, peats, clay	Kirkwood
21		98-103	5	5	100	clay and interbed sand	Kirkwood
22		103-108	5	4.8	96	stiff clay	Kirkwood
23		108-113	5	5.2	104	stiff clay	Kirkwood
24		113-117	4	3.5	88	stiff clay	Kirkwood
25		117-122	5	4.6	92	stiff clay	Kirkwood
26	27-Mar-93	122-127.5	5.5	2.1	38	stiff clay	Kirkwood
27		127.5-133	5	4.5	90	stiff clay	Kirkwood
28		132.5-135	2.5	2.5	100	stiff clay	Kirkwood
29		135-139	4	4	100	stiff clay	Kirkwood
30		139-143	4	4	100	stiff clay	Kirkwood
31		143-148	5	4.8	96	stiff clay	Kirkwood
32		148-153	5	4.2	84	stiff clay	Kirkwood
33		153-158	5	2.9	58	stiff clay	Kirkwood
34		158-163	5	4.1	82	muddy m sand	Kirkwood
35		163-168	5	3.9	78	m-c sand	Kirkwood
36		168-173	5	4.8	96	c sand	Kirkwood
37		173-178	5	4.75	95	sandy silt	Kirkwood
38		178-183	5	5	100	mica silt-vf sand	Kirkwood

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39		183-185	2	2.2	110	m-vc sand	Kirkwood
40	28-Mar-93	185-188	3	2.8	93	m-c sand	Kirkwood
41		188-193	5	4.5	90	p c-vc sand	Kirkwood
42		193-198	5	4.1	82	p c-vc sand	Kirkwood
43		198-203	5	4.8	96	p vc sand	Kirkwood
44		203-208	5	5	100	p m-vc sand w/ muddy sand interbeds	Kirkwood
45		208-213	5	4.8	96	c-vc sand	Kirkwood
46		213-218	5	3.1	62	c sand	Kirkwood
47		218-223	5	5	100	m sand	Kirkwood
48		223-228	5	5	100	m sand	Kirkwood
49		228-233	5	4.8	96	f-c sand	Kirkwood
50	29-Mar-93	233-238	5	3.7	74	m-vc sands	Kirkwood
51		238-243	5	4.2	84	m-c sands	Kirkwood
52		243-248	5	4.9	98	m sands	Kirkwood
53		248-253	5	4.7	94	f-m sands	Kirkwood
54		253-258	5	5.2	104	m sands/stiff clay	Kirkwood
55		258-263	5	4.7	94	stiff clay/c sands	Kirkwood
56		263-267	4	3.9	98	stiff clay w/ sand layers	Kirkwood
57		267-272	5	5.4	108	stiff clay w/ sand beds	Kirkwood
58	30-Mar-93	272-277.33	5.33	5.33	100	stiff clay w/ sand layers	Kirkwood
59		277.33-282.66	5.33	5	94	hard clay/muddy sands	Kirkwood
60		282.66-288	5.34	5.2	97	f-m sands	Kirkwood
61		288-293	5	4.8	96	f-m sands w/lignite lyr	Kirkwood
62		293-298	5	5	100	f-m sands	Kirkwood
63		298-303	5	5	100	m-c sands, lignite, clay	Kirkwood
64		303-308	5	4.6	92	p m-c sands	Kirkwood
65		308-313	5	4.5	90	p c-vc sands	Kirkwood
66		313-318	5	5	100	f-m-vc sands w/ clay lyr	Kirkwood
67		318-323	5	5	100	f-m sands	Kirkwood
68		323-328	5	4.9	98	m-c sands w/ lignite	Kirkwood
69		328-333	5	4.6	92	m-c sands	Kirkwood
70	31-Mar-93	333-338	5	4.8	96	c sands	Kirkwood
71		338-343	5	4.8	96	m-c sands	Kirkwood
72		343-348	5	4.9	98	m-vc sands	Kirkwood
73		348-353	5	5	100	m-vc sands	Kirkwood
74		353-358	5	5	100	f-vc sands	Kirkwood
75		358-363	5	0	0	??c-vc sands	Kirkwood

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76		363-368	5	5	100	f-m sands	Kirkwood
77		368-373	5	4.4	88	m-c sands	Kirkwood
78		373-378	5	4.4	88	f-vc sands	Kirkwood
79		378-383	5	4.4	88	c-vc sands	Kirkwood
80		383-388	5	4.5	90	m-c sands	Kirkwood
81		388-393	5	4.8	96	f-m sands	Kirkwood
82		393-398	5	4.8	96	m sand	Kirkwood
83		398-403	5	4.5	90	f-m sands	Kirkwood
84	01-Apr-93	403-408	5	4.9	98	m sand	Kirkwood
85		408-413	5	4.9	98	m sand	Kirkwood
86		413-418	5	4.7	94	f-m sands	Kirkwood
87		418-423	5	5.2	104	muddy f sand	Kirkwood
88		423-428	5	4.6	92	muddy f sand	Kirkwood
89		428-433	5	5.1	102	f sand	Kirkwood
90		433-438	5	5.1	102	silty vf sand	Kirkwood
91		438-443	5	5.1	102	vf sandy silt	Kirkwood
92		443-448	5	4	80	stiff silty clay	Kirkwood
93		448-453	5	5.4	108	v stiff silty clay; casing set	Kirkwood
94	07-Apr-93	453-457	4	4	100	stiff clay w/ v-vf sand	Kirkwood
95	08-Apr-93	457-467	10	1.8	18	laminated clay	Kirkwood
96		467-472	5	5.2	104	silty vf-c sand	Kirkwood
97		472-477	5	5	100	f to m-c glauconitic sand	Kirkwood
98		477-486	9	9	100	m-c glauconitic sand-lam clay-silt	Kirkwood
99		486-493	7	7	100	sandy silty clay	Kirkwood
100		493-498	5	4.9	98	sandy clayey silt	Kirkwood
101		498-507	9	9.1	101	sandy clay/silt-gr. glauconite sand	Kirkwood
102		507-511.1	4.1	4.1	100	m-c qtz sand- m glauconite sand	Atlantic City
103		511.1-518		7	101	m glauconite sand	Atlantic City
104	09-Apr-93	518-519.5	1.5	1.5	100	m glauconite sand	Atlantic City
105		519.5-522	2.5	1.4	56	m glauconite sand	Atlantic City
106		522-528	6	2.6	43	m glauconite sand	Atlantic City
107		528-533	5	2.6	52	pebbly c glauconite sand	Atlantic City
108		533-538	5	5.7	114	pebbly m-c glauconite sand	Atlantic City
109		538-548	10	5.8	58	m glauconite sands	Atlantic City
110		548-548.5	0.5	0.5	100	m glauconite sands	Atlantic City
111		548.5-553	4.5	1.2	27	m-c glauconite sands	Atlantic City
112		553-558	5	4.25	85	f-c glauconite sands	Atlantic City
113	10-Apr-93	558-563	5	0.9	18	f-m glauconite sands	Atlantic City

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run #	Date	Cored Interval (ft)	Run length (ft)	Recovery (ft)	% rec.	Primary lithology	Formation
114		563-565	2	1.2	60	f-m glauconite sand w/ c sand, pebbles	Atlantic City
115		565-565.3	0.3	0.35	117	silty glauconite claye w/ lignite	Atlantic City
116		565.3-568	2.7	2.5	93	silty glauconite clay w/ lignite	Atlantic City
117	11-Apr-93	568-573	5	3.3	66	glauconite clay w/ lignite	Atlantic City
118		573-575.5	2.5	1.7	68	fine sands, clay w/ glauconite	Atlantic City
119		575.5-578	2.5	0.9	36	fine glauconite sands w/ lignite	Atlantic City
120		578-583	5	2	40	fine-med. glauconite sands	Atlantic City
121	01-Jan-04	583-588	5	0.5	10	v. hard med. glauconite sands	Atlantic City
122		588-598	10	10.4	104	v. stiff med. glauconite sands	Atlantic City
123		598-601	3	3.4	113	med. glauconite sands & clay	Atlantic City
124		601-608	7	0.7	10	hard, lithified glauconite sands	Sewell Point
125	12-Apr-93	608-609.5	1.5	1.5	100	hard glauconite sands & clay	Sewell Point
126		609.5-618	8.5	3.1	36	coarse glauconite sands	Sewell Point
127		618-620	2	1.7	85	coarse glauconite sands	Sewell Point
128		620-628	8	3.4	43	lithified glauconite sands	Sewell Point
129		628-634	6	3.2	53	firm coarse glauconite sands	Sewell Point
130		634-638	4	3.2	80	coarse glauconite sands with lignite & shell	Sewell Point
131		638-648	10	2.7	27	coarse glauconite sands, with shells & benthic forams	Sewell Point
132		648-653	5	0	0	??	Sewell Point
133		653-658	5	3.6	72	coarse glauconite sand, with shells.	Sewell Point
134	13-Apr-93	658-663	5	5.1	102	clayey m glauconite sands	Sewell Point
135		663-668	5	5.1	102	clayey m glauconite sands	Sewell Point
136		668-678	10	10.2	102	clayey m glaucunite sands	Sewell Point
137		678-686.5	8.5	8.6	101	clayey m glauconite sands	Sewell Point
138		686.5-694.1	7.6	7.7	101	clayey m glauconite sands w/ corals	Sewell Point
139		694.1-698	3.9	3.9	100	glauconite sands/firm brwn clay	Sewell Point
140		698-708	10	10.5	105	firm brwn clay/glauconie sands; contact 701.3	up. Shark River
141	14-Apr-93	708-712.8	4.8	4.75	99	glauconite sands w/shell	up. Shark River
142		712.8-719	6.2	6.2	100	firm uniform clay and sandy clay w/shell; contact 717.3'	up. Shark River
143		719-724.5	5.5	5.5	100	firm glauc sandy clay w/ minor shells	up. Shark River
144		724.5-729	4.5	5	111	m-c sandy glauc clay shells, liths, mottled	up. Shark River
145		729-739	10	10.3	103	m-c glauc sands, glauc clay, shell frags	up. Shark River
146		739-749	10	10.1	101	m-c glauc sands, shell frags, qtz grains	up. Shark River
147	15-Apr-93	749-754	5	5.6	112	m-c qtz glauconite sand	up. Shark River
148		754-759	5	4.9	98	m-c qtz glauconite sand w/ pebbles	up. Shark River

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run #	Date	Cored Interval (ft)	Run length (ft)	Recovery (ft)	% rec.	Primary lithology	Formation
149		759-764	5	5	100	c pebbly glauconite sand	up. Shark River
150		764-769	5	5	100	c pebbly glauconite sand	up. Shark River
151		769-779	10	10.7	107	qtz glauconite sand	up. Shark River
152		779-784	5	5.3	106	sandy glauconite clay	up. Shark River
153		784-789	5	5.35	107	sandy glauconite clay	up. Shark River
154		789-794	5	8.3	166	sandy glauconite clay	up. Shark River
155	16-Apr-93	794-799	5	6	120	sandy glauconite clay-clayey sand	up. Shark River
156		799-804	5	5.5	110	contact 799.65 clayey sand/sandy glauc clay	up. Shark River
157		804-809	5	5.1	102	sandy glauc clay	lo. Shark River
158		809-810.5	1.5	1.5	100	sandy clay	lo. Shark River
159		810.5-819	8.5	9.7	114	sandy clay	lo. Shark River
160		819-829	10	8.7	87	slightly sandy clay	lo. Shark River
161	17-Apr-93	829-834	5	5.4	108	green slightly sandy clay	lo. Shark River
162		834-839	5	6	120	green sandy clay w/glauc	lo. Shark River
163		839-849	10	10.25	103	green sandy clay and grn/tan clay	lo. Shark River
164		849-859	10	10	100	greenish tan sandy clay w/glauc	lo. Shark River
165	18-Apr-93	859-864	5	5	100	clayey glauc sand and firm clay	lo. Shark River
166		859-869	5	4	80	clayey glauc sand and firm clay	Shark River/ Manasquan
167		869-879	10	9.6	96	firm clay & v.f. sandy clay, forams	Manasquan
168		879-889	10	10.15	102	v.f. sandy clay	Manasquan
169	19-Apr-93	889-894	5	5.8	116	laminated firm sandy clay change to clayey glauconite fine sands	Manasquan
170		894-895	1	1	100	laminated gr. hard siltstone' ?porcellanite	Manasquan
171		895-899	4	4.3	108	laminated consolidated siltst. & sandy clay; ?porcellanite	Manasquan
172		899-904	5	4.5	90	laminated gr. clay & consolidated siltst. ? porcel.	Manasquan
173		904-909	5	5.8	116	semindurated clay, porcell.	Manasquan
174	20-Apr-93	909-919	10	10	100	semindurated clay, porcell.	Manasquan
175		919-929	10	9.7	97	semindurated clay, porcell.	Manasquan
176		929-939	10	7.8	78	semindurated clay, porcell.	Manasquan
177		939-944	5	5.6	112	semindurated clay	Manasquan
178		944-949	5	5.2	104	semindurated clay	Manasquan
179		949-959	10	10	100	semindurated clay; 956-958 porcellanite	Manasquan
180	21-Apr-93	959-964	5	5	100	semindurated sandy clay	Manasquan
181		964-968	4	5	125	semindurated sandy clay	Manasquan
182		968-978	10	9.1	91	semindurated sandy clay	Manasquan
183	22-Apr-93	978-988	10	10.25	103	sandy clay, occ. porcell.	Manasquan

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184		988-998	10	10.2	102	sandy clay, occ. porcell.	Manasquan
185		998-1005	7	6.8	97	sandy clay, no porcell.	Manasquan
186	23-Apr-93	1005-1008	3	3.4	113	semindurated sandy clay	Manasquan
187		1008-1015	7	6.6	94	semindurated lam.sandy clay	Manasquan
188		1015-1022	7	6.6	94	semindurated sandy clay	Manasquan
189		1022-1028	6	6	100	semindurated sandy clay	Manasquan
190	24-Apr-93	1028-1035	7	7	100	semindurated sandy clay	Manasquan
191		1035-1038	3	2.8	93	semindurated sandy clay	Manasquan
192		1038-1048	10	7.3	73	semindurated sandy clay	Manasquan
193		1048-1053	5	2.2	44	redrilled, disturbed, sl. sandy clay	Manasquan
194		1053-1054	1	0	0	?	Manasquan
195	4/25/1993 4/26/1993	1054-1055	1	0	0	?	Manasquan
196		1055-1055.3	0.3	0	0	?	Manasquan
197		1055.3-1057	1.7	1.8	106	redrilled; slightly silty clay	Manasquan
198		1057-1058	1	1	100	redrilled, slightly silty clay	Manasquan
199		1058-1063	5	5.2	104	solid core; silty clay	Manasquan
200	27-Apr-93	1063-1068	5	5.1	102	silty clay	Manasquan
201		1068-1078	10	10.5	105	contact 1075.5; silty clay/clay	Manasquan/ Vincentown
202		1078-1087.5	9.5	10.4	109	silty and fine sandy clay w/ xlam, mica	Vincentown
203		1087.5-1097	9.5	10.35	109	cyclical silty clay and clay s silt	Vincentown
204		1097-1103	6	5	83	clay/silty clay interbeds	Vincentown
205	28-Apr-93	1103-1108	5	5.2	104	clay/silty clay interbeds	Vincentown
206		1108-1117.5	9.5	10.2	107	clay/silty clay interbeds	Vincentown
207		1117.5- 1127.5	10	10.3	103	silty clay, lamin. bioturb.	Vincentown
208/2 09		1127.5-1138	10.5	5.55	53	fine sandy clay	Vincentown
209- 212		1138-1148	10	5.5	55	fine sandy clay/clayey sand	Vincentown
213	29-Apr-93	1148-1153	5	4.8	96	fine sandy clay/clayey sand	Vincentown
214		1153-1158	5	5.3	106	fine sandy clay/clayey sand	Vincentown

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215		1158-164	6	6.6	110	contacts 1164.45'; clayey glauconitic qtz sandw/ Olenothyris to glauc. sandy clay/coal	Vincentown
216		1164-168	4	3.8	95	m-f glauconitic sands interbed w/ silty clays; contact 1167.1' w/ silts	Hornerstown
217		1168-1173	5	5.4	108	clayey silts	Hornerstown
218		1173-1178	5	5	100	silty clays	Hornerstown
219	30-Apr-93	1178-1188	10	6.25	63	silty clays & porcell	Hornerstown
220		1188-1193	5	2.1	42	sandy glauc. clay	Hornerstown
221		1193-1198	5	4.75	95	clayey sand, sandy clay	Hornerstown
222		1198-1208	10	3.6	36	no recov	??
223		1208-1218	10	0	0	no recov	??
224	01-May-93	1218-1223	5	4	80	glauc. sandy clay; corrected recovery	Navesink