

Table 174AX Cape May Zoo

run #	Date	Cored Interval (ft)	Recovery (ft)	% rec.	Primary lithology	Formation
1	29-Sep-04	0-3	1.47	49	Medium-coarse granulariferous sand	Cape May II
2	29-Sep-04	3-7	1.25	31	Medium sand and gravel beds	Cape May II
3	29-Sep-04	7-11	2.25	56	Medium sand and gravel beds	Cape May II
4	29-Sep-04	11-15	3.5	88	Fine-very fine sand	Cape May II
5	29-Sep-04	15-20	2.5	50	Fine-medium sand	Cape May II
6	29-Sep-04	20-21	0.5	50	very fine to fine sand	Cape May II
7	29-Sep-04	21-27	3.3	55	Interbedded gravels, sands, and clays	Cape May II
8	29-Sep-04	27-35	2.05	26	Sand and gravel	Cape May II
9	29-Sep-04	35-40	2	33	Coarse to very fine sand	CM II/CM I
10	29-Sep-04	40-48	4	57	Sand	Cape May I
11	30-Sep-04	48-55	6.2	89	Shelly sand and woody shelly sand	Cape May I
12	30-Sep-04	55-60	1	20	Fine to medium woody sand	Cape May I
13	30-Sep-04	60-70	6.65	67	Sand over clay-silt	Cape May I
14	30-Sep-04	70-75	4.7	94	Silty clay and very fine sandy silt	Cape May I
15	30-Sep-04	75-80	5	100	Shelly clay with interbedded sand	Cape May I
16	30-Sep-04	80-90	5.5	55	Clay	Cape May I
17	30-Sep-04	90-97	3	43	Clay over gravelly sand; recovered interval is 91-94 ft; contact at 93.6 ft	Cape May I/ Stone Harbor Fm.
18	30-Sep-04	97-100	1.1	37	Coarse to very coarse sand	Stone Harbor Fm.
19	30-Sep-04	100-105	1.9	38	Sand and gravel	Stone Harbor Fm.
20	30-Sep-04	105-110	3.5	70	Sand and gravel	Stone Harbor Fm.
21	30-Sep-04	110-117	3.2	46	Sand and gravel	Stone Harbor Fm.
22	30-Sep-04	117-125	0	0	No recovery	Stone Harbor Fm.
23	1-Oct-04	125-130	4.4	88	Coarse and medium sands	Stone Harbor Fm.
24	1-Oct-04	130-138	7.1	89	Very fine silty sand to mud	Stone Harbor Fm.
25	2-Oct-04	138-140	1.55	78	Silty clay	Stone Harbor Fm.
26	2-Oct-04	140-150	3.05	31	Medium to fine sand	Stone Harbor Fm.
27	3-Oct-04	150-155	1.51	30	Fine sandy clay	Stone Harbor Fm.
28	3-Oct-04	155-160	3.25	65	Medium sand with sandy clay	Stone Harbor Fm.
29	3-Oct-04	160-167	6.62	95	Medium to coarse sand	Stone Harbor Fm.
30	3-Oct-04	167-175	4.3	54	Coarse sand over very coarse sand, gravel and lignite beds	Stone Harbor Fm.
31	3-Oct-04	175-180	5	100	Clayey sand over coarse sand fining to fine sand	Stone Harbor Fm.
32	3-Oct-04	180-185	0.4	8	Coarse sand	Stone Harbor Fm.
33	3-Oct-04	185-190	5.4	108	Very clayey sand to clayey sand with pockets of sandy silty clay	Stone Harbor Fm.
34	3-Oct-04	190-200	10.15	102	Silty clay over slightly micaceous clay	Stone Harbor Fm.
35	3-Oct-04	200-210	8.5	85	Coarse sand with clay interbeds	Stone Harbor Fm.

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36	3-Oct-04	210-220	6.8	68	Coarse sand with abundant gravels	Stone Harbor Fm.
37	3-Oct-04	220-230	5.55	56	Medium to coarse sand with clay lenses	Stone Harbor Fm.
38	3-Oct-04	230-240	7.2	72	Medium to coarse sand with clay lenses; contact at 231.4 ft	Stone Harbor Fm./ Cohansey
39	4-Oct-04	240-245	2.2	44	Medium to coarse sand	Cohansey
40	4-Oct-04	245-250	3.65	73	Medium sand	Cohansey
41	4-Oct-04	250-260	8.75	88	Medium sand	Cohansey
42	4-Oct-04	260-270	10	100	Interbedded clay and sand	Cohansey/ Kirkwood
43	4-Oct-04	270-280	4.45	45	Interbedded clay and sand	Kw-Ch2
44	4-Oct-04	280-290	5.65	57	Interbedded clay and sand	Kw-Ch2
45	4-Oct-04	290-300	5.8	58	Interbedded clay and sand; contact at 293.3 ft	Kw-Ch1
46	4-Oct-04	300-310	4.8	48	Interbedded clay and sand	Kw-Ch1
47	4-Oct-04	310-320	4.5	45	Laminated to interbedded clay and silt	Kw-Ch1
48	5-Oct-04	320-325.5	4.6	84	Silty clays over shelly sandy clayey silt	Kw-Ch1
49	5-Oct-04	325.5-327.5	1.3	65	Medium sand	Kirkwood (Kw3)
50	5-Oct-04	327.5-330	1.5	60	Sand and interbedded silty sand	Kirkwood (Kw3)
51	5-Oct-04	330-332	1.8	90	Fine to medium sand	Kirkwood (Kw3)
52	5-Oct-04	332-340	7.6	95	Interbedded sand and silty sand over clay	Kirkwood (Kw3)
53	5-Oct-04	340-350	2.5	25	Silty clay	Kirkwood (Kw3)
54	5-Oct-04	350-355	3.4	68	Silty clay w/shells	Kirkwood (Kw3)
55	5-Oct-04	355-360	4.8	96	Silty sand	Kirkwood (Kw3)
56	5-Oct-04	360-370	10	100	Silty sand	Kirkwood (Kw3)
57	6-Oct-04	370-380	3.8	38	Clay	Kirkwood (Kw3)
58	6-Oct-04	380-390	9.7	97	Clay	Kirkwood (Kw3)
59	6-Oct-04	390-400	9.6	96	Silty clay to clayey silt	Kirkwood (Kw3)
60	6-Oct-04	400-410	10	100	Silt to silty sand	Kirkwood (Kw3)
61	6-Oct-04	410-414.5	4.3	96	Medium sand	Kirkwood (Kw3)
62	6-Oct-04	414.5-420	1.2	22	Sandstone; contact at 415.7 ft	Kirkwood (Kw3/Kw2b)
63	6-Oct-04	420-430	4.3	43	Fine sand	Kirkwood (Kw2b)
64	7-Oct-04	430-438.5	8.5	100	Shelly fine sand	Kirkwood (Kw2b)
65	7-Oct-04	438.5-439.7	1	83	Dolomitic(?) sandstone	Kirkwood (Kw2b)
66	7-Oct-04	439.7-450	5.45	53	Sand and sandy mud with shells	Kirkwood (Kw2b)
67	7-Oct-04	450-460	5.2	52	Muddy sand	Kirkwood (Kw2b)
68	7-Oct-04	460-470	10.1	101	Muddy sand with shells	Kirkwood (Kw2b)
69	7-Oct-04	470-480	10.35	104	Muddy sand with shells	Kirkwood (Kw2b)
70	7-Oct-04	480-490	10.05	101	Interbedded clays and silts, organic rich	Kirkwood (Kw2b)

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71	7-Oct-04	490-500	3.9	39	Laminated clay with interbedded sands	Kirkwood (Kw2b)
72	7-Oct-04	500-510	10.3	103	Slightly clayey silt with very fine sand	Kirkwood (Kw2b)
73	8-Oct-04	510-520	6.2	62	Medium to coarse sand with abundant shell fragments; contact at 515.7 ft	Kirkwood (Kw2b/2a)
74	8-Oct-04	520-530	7.2	72	slightly shelly micaceous silty clays	Kirkwood (Kw2a)
75	8-Oct-04	530-533.5	3.85	110	clayey shelly medium sand	Kirkwood (Kw2a)
76	8-Oct-04	533.5-540	5.9	91	Medium to coarse sand over muddy fine sand	Kirkwood (Kw2a)
77	8-Oct-04	540-550	10.4	104	Shelly clayey medium sand; contact at 549.3	Kirkwood (Kw2a)
78	8-Oct-04	550-558.5	7.1	84	Laminated silty clay	Kirkwood (Kw2a)
79	8-Oct-04	558.5-567	8.9	105	Silty very fine sand over laminated clays and silts with shells	Kirkwood (Kw2a)
80	8-Oct-04	567-575	4.6	58	Laminated clay	Kirkwood (Kw2a)
81	9-Oct-04	575-580	2.95	59	Laminated clay with interbedded very fine sand	Kirkwood (Kw2a)
82	9-Oct-04	580-584	4	100	Laminated clay with interbedded very fine sand	Kirkwood (Kw2a)
83	9-Oct-04	584-590	6.15	103	Silty clay	Kirkwood (Kw2a)
84	9-Oct-04	590-600	10.3	103	Laminated silty clay	Kirkwood (Kw2a)
85	9-Oct-04	600-610	10.5	105	Laminated silty clay	Kirkwood (Kw2a)
86	9-Oct-04	610-620	10.4	104	Laminated silty clay	Kirkwood (Kw2a)
87	9-Oct-04	620-625	4.05	81	Finely laminated silty clay	Kirkwood (Kw2a)
88	10-Oct-04	625-629	3.2	80	Granuliferous sand	Kirkwood (Kw2a)
89	10-Oct-04	629-639.5	4.05	39	Sandstone, dolomite cement(?); contact at 630.7 ft	Kirkwood (Kw2a/1c)
90	10-Oct-04	639.5-650	5.05	48	Poorly sorted sand; contact at 643.5 ft	Kirkwood (Kw1c or 1b)
91	10-Oct-04	650-655	4.15	83	Poorly sorted muddy sand	Kirkwood (Kw1c or 1b)
92	10-Oct-04	655-656.5	1.5	100	Slightly silty, very finely laminated clay	Kirkwood (Kw1c or 1b)
93	10-Oct-04	656.5-663	5.75	88	Medium sand	Kw1b
94	10-Oct-04	663-670	4.2	60	Very shelly medium sand	Kw1b
95	11-Oct-04	670-679	4	44	Shell bed to medium sand	Kw1b
96	11-Oct-04	679-684	1.90	38	Shelly medium sand	Kw1b
97	11-Oct-04	684-690	2.3	38	Shelly medium sand	Kw1b
98	11-Oct-04	690-697	5.5	79	Shelly medium sand	Kw1b
99	11-Oct-04	697-703	5.75	96	Shelly medium sand	Kw1b
100	11-Oct-04	703-710	6.1	87	Shelly medium sand	Kw1b
101	11-Oct-04	710-720	3	30	Shelly medium sand	Kw1b