

Table 4. Cecil County, Maryland Shoreline Attributes - Riparian Land Use and Bank and Buffer Conditions - Plate Summary

PLATE NUMBER	TOTAL MILES SURVEYED	RIPARIAN LAND USE								BANK (bank height and erosion status - miles of shore)												BANK COVER (miles)			BUFFER CONDITION									
		agriculture	bare	commercial	forest	grass	paved	residential	scrub-shrub	0-5 ft			5-10 ft			10-30 ft			>30 ft			BEACH PRESENT (miles)		MARSH PRESENT (miles)										
										low	high	undercut	low	high	undercut	low	high	undercut	low	high	undercut	bare	partial	full	eroding	stable	eroding	stable						
1	1.92	0.00	0.49	0.27	0.06	0.35	0.29	0.47	0.00	0.76	0.00	0.00	0.72	0.00	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	3.64	0.00	1.29	0.02	1.89	0.17	0.00	0.00	0.27	2.27	0.00	0.00	0.48	0.00	0.00	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	3.60	0.00	0.31	0.00	0.33	0.00	0.00	
3	5.26	0.00	0.13	0.58	2.05	0.93	0.75	0.58	0.24	3.04	0.00	0.00	1.67	0.00	0.00	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	5.15	0.00	1.36	0.00	0.00	0.00	0.00	0.00	
4	1.79	0.00	0.00	0.00	0.57	0.83	0.06	0.33	0.00	0.40	0.00	0.00	0.18	0.06	0.00	0.59	0.13	0.00	0.19	0.25	0.00	0.18	0.48	1.14	0.00	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5	4.55	0.00	0.00	0.68	1.34	0.15	0.00	2.37	0.00	3.15	0.00	0.00	0.55	0.00	0.00	0.56	0.06	0.00	0.23	0.00	0.00	0.06	0.22	4.28	0.42	1.20	0.00	0.11	0.00	0.00	0.00	0.00	0.00	
6	7.83	0.00	0.04	3.64	0.42	0.29	0.22	3.07	0.16	6.60	0.00	0.00	0.94	0.00	0.00	0.27	0.02	0.00	0.00	0.00	0.00	0.00	0.18	7.65	0.00	1.68	0.00	0.24	0.00	0.00	0.00	0.00	0.00	
7	4.83	0.00	0.55	0.13	0.52	0.55	0.07	2.17	0.84	3.62	0.00	0.00	0.95	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.27	4.57	0.00	0.48	0.00	0.82	0.00	0.00	0.00	0.00	0.00	
8	4.67	0.00	0.00	0.24	1.11	0.06	0.05	3.03	0.18	2.55	0.08	0.00	1.12	0.03	0.00	0.55	0.13	0.00	0.12	0.09	0.00	0.15	0.54	3.97	0.00	0.12	0.00	1.10	0.00	0.00	0.00	0.00	0.00	
9	2.66	0.00	0.10	0.06	1.37	0.05	0.00	0.50	0.58	1.50	0.00	0.00	0.24	0.59	0.00	0.12	0.18	0.00	0.02	0.00	0.00	0.00	0.96	1.70	0.00	1.05	0.00	0.08	0.00	0.00	0.00	0.00	0.00	
10	3.84	0.00	0.00	0.00	3.54	0.21	0.02	0.07	0.00	1.24	0.00	0.00	0.99	0.54	0.00	0.30	0.03	0.00	0.47	0.27	0.00	0.04	1.07	2.73	0.00	1.65	0.00	0.16	0.00	0.00	0.00	0.00	0.00	
11	4.81	0.00	0.00	0.00	2.27	0.48	0.17	1.35	0.54	2.23	0.00	0.00	0.45	0.10	0.00	0.38	0.09	0.00	0.94	0.63	0.00	0.28	0.82	3.72	0.00	1.62	0.00	0.42	0.00	0.00	0.00	0.00	0.00	
12	3.39	0.00	0.00	0.00	1.13	0.55	0.00	1.62	0.09	1.55	0.02	0.00	0.90	0.08	0.00	0.52	0.04	0.00	0.16	0.11	0.00	0.22	0.31	2.85	0.04	1.30	0.00	0.89	0.00	0.00	0.00	0.00	0.00	
13	6.53	0.26	0.00	0.08	1.45	0.62	0.00	3.68	0.43	3.76	0.04	0.00	1.44	0.00	0.00	1.01	0.05	0.00	0.16	0.07	0.00	0.16	0.23	6.14	0.00	3.20	0.03	0.81	0.00	0.00	0.00	0.00	0.00	
14	8.08	0.00	0.00	0.20	2.33	1.53	0.00	2.31	1.71	5.69	0.00	0.00	1.18	0.14	0.00	0.81	0.23	0.00	0.03	0.00	0.00	0.14	0.23	7.71	0.05	3.16	0.00	1.59	0.00	0.00	0.00	0.00	0.00	
15	5.36	0.00	0.00	0.04	0.90	0.53	0.00	2.90	0.98	3.86	0.00	0.00	0.49	0.01	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	5.35	0.00	1.17	0.00	1.82	0.00	0.00	0.00	0.00	0.00	
16	5.98	0.00	0.09	0.44	2.55	0.32	0.00	2.49	0.10	5.32	0.00	0.00	0.41	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.02	5.96	0.00	1.11	0.00	3.24	0.00	0.00	0.00	0.00	0.00	
17	5.52	0.00	0.00	0.65	0.00	0.64	3.91	0.16	0.16	1.34	0.00	0.00	3.69	0.00	0.00	0.49	0.00	0.00	0.00	0.00	0.00	0.02	0.00	5.50	0.00	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	
18	6.06	0.00	0.39	0.30	1.51	1.61	0.64	0.98	0.61	3.05	0.21	0.00	2.14	0.04	0.00	0.54	0.07	0.00	0.00	0.00	0.00	0.23	0.06	5.77	0.19	1.31	0.00	0.63	0.00	0.00	0.00	0.00	0.00	
19	6.83	0.00	0.00	1.67	1.24	1.08	0.00	2.33	0.51	4.22	0.01	0.00	1.56	0.32	0.00	0.68	0.03	0.00	0.00	0.00	0.00	0.27	0.19	6.37	0.23	1.42	0.00	0.85	0.00	0.00	0.00	0.00	0.00	
20	9.37	0.00	0.03	0.93	3.84	1.23	0.04	1.99	1.32	6.64	0.00	0.00	1.22	0.14	0.04	1.12	0.21	0.00	0.00	0.00	0.00	0.31	0.16	8.90	0.22	1.41	0.00	3.26	0.00	0.00	0.00	0.00	0.00	
21	9.54	0.06	0.00	0.00	5.40	2.07	0.00	0.34	1.67	7.38	0.06	0.00	1.05	0.13	0.00	0.56	0.35	0.00	0.00	0.00	0.00	0.06	0.49	9.00	0.24	1.68	0.00	4.86	0.00	0.00	0.00	0.00	0.00	
22	5.20	0.00	0.00	0.00	3.35	1.21	0.00	0.13	0.51	3.45	0.04	0.00	1.22	0.00	0.00	0.33	0.16	0.00	0.00	0.00	0.00	0.11	0.14	4.96	0.00	0.28	0.00	2.51	0.00	0.00	0.00	0.00	0.00	
23	6.33	0.00	0.00	0.00	3.61	1.18	0.00	0.32	1.21	3.28	0.00	0.00	1.29	0.18	0.00	0.90	0.40	0.00	0.28	0.00	0.00	0.38	0.56	5.39	0.37	1.85	0.00	1.71	0.00	0.00	0.00	0.00	0.00	
24	3.67	0.00	0.14	0.32	1.08	0.64	0.06	0.88	0.55	2.59	0.00	0.00	0.13	0.15	0.00	0.66	0.14	0.00	0.00	0.00	0.00	0.18	0.17	3.32	0.19	2.58	0.00	0.35	0.00	0.00	0.00	0.00	0.00	
25	7.42	0.00	0.00	0.00	2.48	1.42	0.03	1.33	2.17	6.37	0.00	0.00	0.24	0.06	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.06	0.00	7.36	0.17	1.33	0.00	4.53	0.00	0.00	0.00	0.00	0.00	
26	3.98	0.00	0.00	0.00	1.29	0.73	0.00	1.15	0.81	1.67	0.00	0.00	0.30	0.12	0.00	0.06	1.12	0.00	0.12	0.59	0.00	1.39	0.38	2.21	1.67	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
27	4.69	0.61	0.00	0.00	2.04	0.35	0.00	0.04	1.65	2.68	0.00	0.00	0.34	0.41	0.00	0.31	0.41	0.00	0.12	0.40	0.00	0.29	0.66	3.73	0.92	1.95	0.00	0.49	0.00	0.00	0.00	0.00	0.00	
28	6.40	1.63	0.00	0.00	2.06	1.26	0.03	0.57	0.85	3.22	0.05	0.00	1.00	0.55	0.00	0.50	0.77	0.00	0.09	0.23	0.00	0.86	0.78	4.76	0.48	2.21	0.00	1.53	0.00	0.00	0.00	0.00	0.00	
29	8.95	2.82	0.00	0.00	3.89	0.31	0.01	1.61	0.30	5.86	0.24	0.02	0.43	0.35	0.15	0.75	0.40	0.00	0.70	0.05	0.00	0.58	1.04	7.32	0.18	1.48	0.10	5.11	0.00	0.00	0.00	0.00	0.00	
30	5.60	0.00	0.00	1.44	2.22	0.88	0.20	0.70	0.18	2.22	0.13	0.00	0.53	0.35	0.10	1.17	0.48	0.04	0.50	0.09	0.00	0.02	1.85	3.73	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00	0.00	
31	4.95	1.58	0.00	0.00	1.62	1.05	0.00	0.59	0.11	0.79	0.14	0.00	0.40	0.56	0.04	1.52	0.38	0.00	0.50	0.63	0.00	0.00	4.17	0.79	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00	0.00	
Total*	155.27	6.12	3.10	11.10	52.92	21.36	6.33	37.43	16.91	93.73	0.98	0.02	25.79	4.30	0.25	17.23	5.53	0.04	4.16	3.24	0.00	5.60	15.20	134.47	5.07	35.60	0.13	37.36	0.00	0.00	0.00	0.00	0.00	

\* Total Shoreline Miles: 228.46 (Maryland DNR, 1994)

Table 5. Cecil County, Maryland Shoreline Attributes - Shoreline Features - Plate Summary

PLATE NUMBER	TOTAL MILES SURVEYED	SHORELINE FEATURES																
		No. docks	No. dilapidated docks	No. boathouses	No. ramps		No. outfalls	No. groinfields	No. marinas		No. jetties	No. breakwater	Miles of debri	Miles of unconventional	Miles of bulkhead	Miles of dilapidated bulkhead	Miles of riprap	Miles of wharf
1	1.92	7	0	0	1	3	5	0	0	1	1	0	0.13	0.52	0.39	0.12	0.64	0.00
2	3.64	2	0	0	0	1	2	0	0	0	0	0	0.08	1.08	0.01	0.05	0.76	0.00
3	5.26	7	0	0	2	2	2	0	1	1	0	0	0.31	0.31	0.33	0.00	1.34	0.00
4	1.79	1	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.08	0.00	0.33	0.00
5	4.55	18	0	1	8	1	1	2	1	2	4	0	0.02	0.04	1.00	0.09	1.30	0.00
6	7.83	41	1	0	8	2	3	2	0	6	1	0	0.02	0.30	1.30	0.27	1.20	0.00
7	4.83	37	0	2	5	0	1	0	1	0	0	0	0.00	0.16	0.81	0.00	0.95	0.00
8	4.67	15	0	0	2	0	5	0	0	1	1	0	0.00	0.00	0.72	0.03	1.10	0.00
9	2.66	1	0	0	0	0	0	0	0	0	0	0	0.00	0.11	0.00	0.00	0.14	0.00
10	3.84	0	0	0	0	0	0	0	0	0	0	0	0.00	0.07	0.01	0.00	1.42	0.00
11	4.81	9	0	0	2	1	0	2	0	0	0	1	0.00	0.00	0.34	0.00	2.40	0.00
12	3.39	14	0	0	2	0	0	3	0	0	0	0	0.01	0.04	0.18	0.00	0.56	0.00
13	6.53	57	1	2	8	0	1	6	0	0	2	0	0.00	0.00	0.57	0.04	1.48	0.00
14	8.08	65	4	5	16	0	5	7	0	1	1	0	0.19	0.00	0.70	0.07	2.58	0.00
15	5.36	89	0	4	30	0	16	5	0	1	0	0	0.09	0.10	1.73	0.13	0.49	0.00
16	5.98	74	5	1	14	0	3	4	0	1	0	0	0.03	0.00	1.27	0.22	0.37	0.00
17	5.52	9	0	0	0	1	51	0	1	1	0	0	0.00	0.00	0.20	0.00	4.75	0.06
18	6.06	37	0	4	9	0	25	2	0	0	0	0	0.00	0.00	0.48	0.02	2.60	0.28
19	6.83	50	0	0	9	0	5	9	0	3	1	1	0.04	0.00	1.34	0.03	1.29	0.00
20	9.37	55	2	0	6	0	2	2	0	7	1	0	0.14	0.09	1.13	0.02	0.69	0.00
21	9.54	9	2	1	0	0	0	0	0	0	0	0	0.00	0.00	0.27	0.02	0.15	0.00
22	5.20	1	0	2	1	0	0	0	0	0	0	0	0.00	0.00	0.01	0.00	0.07	0.00
23	6.33	18	1	1	5	0	1	1	0	0	0	0	0.13	0.00	0.14	0.01	0.63	0.01
24	3.67	7	3	0	7	0	6	3	0	1	3	0	0.10	0.00	0.04	0.05	0.34	0.00
25	7.42	36	0	0	7	1	10	4	0	0	1	0	0.37	0.01	0.76	0.00	0.89	0.00
26	3.98	21	2	0	17	0	14	3	0	0	0	0	0.07	0.00	0.66	0.13	0.24	0.00
27	4.69	0	0	0	0	0	0	0	0	0	0	0	0.29	0.00	0.00	0.00	0.14	0.00
28	6.40	4	1	0	0	0	0	0	0	0	0	0	0.53	0.00	0.05	0.00	0.49	0.07
29	8.95	20	2	0	5	0	0	1	0	0	0	0	0.00	0.02	0.03	0.00	0.16	0.00
30	5.60	12	0	2	0	1	2	0	0	3	0	0	0.03	0.00	0.28	0.05	0.22	0.00
31	4.95	5	1	0	0	0	0	0	1	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
Total*	155.27	670	25	21	148	12	155	52	5	25	15	2	2.23	2.70	13.61	1.27	28.01	0.41

\* Total Shoreline Miles: 228.46 (Maryland DNR, 1994)

Table 6. Cecil County, Maryland Shoreline Attributes - *Phragmites australis*, and Survey Dates.

PLATE NUMBER	TOTAL MILES SURVEYED	FIELD SURVEY DATES	PHRAGMITES (miles)	PLATE NUMBER	TOTAL MILES SURVEYED	FIELD SURVEY DATES	PHRAGMITES (miles)	PLATE NUMBER	TOTAL MILES SURVEYED	FIELD SURVEY DATES	PHRAGMITES (miles)
1	1.92	10/18/04	0.00	12	3.39	10/12/04	0.33	23	6.33	10/6/04	1.03
2	3.64	10/18/04	0.06	13	6.53	10/7/04, 10/12/04	0.96	24	3.67	10/6/04	0.35
3	5.26	10/18/04, 10/19/04	0.00	14	8.08	10/5, 10/7, 10/8, 10/12/04	2.10	25	7.42	10/6/04	1.30
4	1.79	10/13/04, 10/19/04	0.00	15	5.36	10/5/04, 10/8/04	1.58	26	3.98	10/6/04	0.32
5	4.55	10/13/04	0.00	16	5.98	10/8/04	1.88	27	4.69	10/6/04	0.74
6	7.83	10/13/04	0.24	17	5.52	10/5/04	0.45	28	6.40	9/14/04, 10/6/04	0.86
7	4.83	10/13/04	0.13	18	6.06	10/5/04	0.97	29	8.95	9/14/04, 9/20/04, 10/6/04	1.77
8	4.67	10/13/04	0.31	19	6.83	10/6/04, 10/7/04	0.75	30	5.60	9/20/04	0.66
9	2.66	10/13/04	0.13	20	9.37	10/6/04, 10/7/04	1.61	31	4.95	9/20/04	0.08
10	3.84	10/12/04, 10/13/04	0.00	21	9.54	10/7/04	0.71				
11	4.81	10/12/04, 10/13/04	0.00	22	5.20	10/7/04	0.20				

Total miles *Phragmites australis*: 18.05

Total Shoreline Miles 228.46 (Maryland DNR 1994)