

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

PLATE NUMBER	TOTAL MILES SURVEYED	RIPARIAN LAND USE (miles)									BANK (bank height and erosion status - miles of shore)												BANK COVER (miles)			BUFFER CONDITION (miles)			
		agriculture	bare	commercial	forest	grass	industrial	paved	residential	scrub-shrub	0-5 ft			5-10 ft			10-30 ft			>30 ft			BANK COVER			BEACH PRESENT		MARSH PRESENT	
											low	high	undercut	low	high	undercut	low	high	undercut	low	high	undercut	bare	partial	total	eroding	stable	eroding	stable
1	9.71	0.00	0.00	0.00	1.90	1.25	0.00	0.12	5.45	0.99	9.70	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	9.70	0.00	0.38	0.39	3.44
2	16.38	0.00	0.12	0.41	0.00	1.04	0.00	0.98	13.82	0.00	16.38	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	16.38	0.00	0.08	0.26	2.19
3	17.26	0.00	0.13	4.26	0.00	0.14	0.16	0.67	10.75	1.16	16.95	0.00	0.00	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.26	0.00	0.88	1.58	4.85
4	9.60	0.00	0.03	2.52	0.00	0.20	0.00	0.80	5.34	0.72	9.55	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.60	0.03	0.68	0.63	0.90
5	17.67	0.00	0.40	2.81	0.09	1.43	0.05	1.05	8.39	3.44	15.58	0.00	0.00	1.72	0.00	0.00	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.67	0.00	0.50	0.00	5.78
6	22.49	0.00	0.02	0.21	6.01	0.99	0.00	0.33	8.42	6.51	21.67	0.28	0.00	0.42	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.03	0.00	22.45	0.00	0.35	0.00	12.51
7	14.98	0.00	0.00	0.25	5.62	0.77	0.00	0.04	4.16	4.14	14.95	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.98	0.00	0.11	0.00	10.74
8	17.87	0.00	0.00	0.03	1.52	2.36	0.00	0.00	11.07	2.89	17.87	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	17.87	0.00	0.36	0.00	6.57
9	14.84	0.00	0.00	0.16	2.72	1.51	0.00	0.04	8.13	2.28	14.84	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	14.84	0.00	0.93	0.15	4.91
10	20.35	0.00	0.00	0.03	2.27	1.91	0.00	0.05	15.28	0.82	20.01	0.06	0.00	0.16	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.06	0.00	20.29	0.03	0.49	0.00	3.90
11	8.79	0.00	0.00	0.08	2.76	1.03	0.00	0.08	3.65	1.19	7.30	0.08	0.00	0.90	0.11	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.17	0.17	8.44	0.09	0.25	0.04	5.35
12	7.00	0.00	0.01	0.99	1.05	0.62	0.00	0.20	1.96	2.17	4.96	0.00	0.00	1.98	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.04	0.00	6.97	0.00	0.26	0.00	3.89	
13	8.51	0.00	0.00	0.00	1.14	0.46	0.00	0.00	2.72	4.20	8.38	0.08	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.01	8.31	0.00	0.17	0.00	6.68	
14	3.87	0.00	0.00	0.00	0.56	1.61	0.00	0.07	1.00	0.63	3.71	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	3.71	0.00	0.06	0.00	1.08	
15	6.13	0.00	0.00	0.00	0.38	0.54	0.00	0.02	2.45	2.73	6.04	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.13	0.00	0.00	0.00	4.64	
16	8.21	0.00	0.10	0.00	0.09	2.60	0.00	0.27	2.68	2.47	8.11	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	8.11	0.00	0.08	0.00	5.58	
17	4.06	0.00	0.08	0.00	0.00	0.48	0.00	0.09	0.42	3.00	4.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.06	0.00	0.45	0.00	3.14	
18	4.99	0.00	0.00	0.19	0.35	1.05	0.00	0.00	0.89	2.51	4.90	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	4.90	0.00	0.65	0.00	2.41	
19	3.23	0.00	0.00	0.00	0.12	0.42	0.00	0.04	0.47	2.17	3.19	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.23	0.00	0.00	0.00	2.95	
20	4.34	0.00	0.00	0.00	0.61	1.06	0.00	0.00	0.00	2.67	4.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.34	0.00	0.00	0.00	4.34	
21	3.91	0.00	0.00	0.00	2.90	0.24	0.19	0.00	0.04	0.54	3.87	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	3.89	0.00	0.00	0.00	1.46	
22	3.63	0.00	0.05	0.01	1.95	0.51	0.24	0.27	0.39	0.21	3.19	0.00	0.00	0.42	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.01	0.00	3.62	0.00	0.00	0.00	1.07	
23	3.71	0.09	0.00	0.00	3.41	0.00	0.00	0.03	0.19	0.00	3.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.71	0.00	0.00	0.00	0.00	
24	5.20	0.77	0.00	0.00	4.14	0.00	0.00	0.00	0.29	0.00	4.89	0.00	0.00	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	5.08	0.00	0.00	0.00	0.00	
25	6.03	0.00	0.00	0.34	5.61	0.00	0.00	0.03	0.06	0.00	6.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	5.98	0.00	0.00	0.00	0.00	
26	7.31	0.55	0.00	0.44	6.06	0.00	0.00	0.00	0.25	0.00	7.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	7.21	0.00	0.00	0.00	0.00	
27	7.77	0.10	0.00	0.23	6.72	0.18	0.08	0.19	0.19	0.08	7.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.77	0.00	0.00	0.00	0.18	
Total*	230.17	1.50	0.93	11.30	51.59	20.73	0.72	5.02	97.16	41.21	223.53	0.85	0.00	4.67	0.11	0.00	1.02	0.00	0.00	0.00	0.00	0.74	0.59	228.84	0.12	6.02	2.51	84.41	

\* Total Shoreline Miles: 759.17 (Maryland DNR, 1994)

Table 5. Worcester 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	Miles of debris	Miles of unconventional	Miles of bulkhead	Miles of dilapidated bulkhead	Miles of riprap	Miles of wharf
1	9.71	79	2	1	25	0	6	0	0	0	0	0.00	0.00	1.41	0.10	3.01	0.00
2	16.38	0*	0	0	4	0	87	0	0	0	1	0.00	0.00	13.22	0.01	1.12	0.00
3	17.26	0*	0	0	1	0	61	0	0	0	0	0.00	0.00	9.74	0.02	0.44	0.00
4	9.60	0*	0	0	5	0	28	1	0	0	0	0.00	0.00	6.54	0.00	1.46	0.00
5	17.67	65*	1	0	8	0	28	0	8	5	2	0.00	0.00	7.07	0.04	2.88	0.12
6	22.49	225	3	4	31	0	18	0	0	1	0	0.06	0.10	4.99	0.14	2.85	0.00
7	14.98	73	4	12	6	1	0	0	1	0	0	0.03	0.09	1.53	0.06	1.67	0.00
8	17.87	470	0	1	0	0	15	0	0	1	0	0.00	0.00	9.27	0.00	0.65	0.00
9	14.84	475	1	0	1	0	43	0	0	2	0	0.02	0.00	7.47	0.00	0.47	0.00
10	20.35	849	2	0	1	2	99	0	1	0	0	0.03	0.02	14.74	0.00	1.18	0.00
11	8.79	76	1	2	3	1	0	0	1	0	0	0.02	0.13	0.55	0.00	1.82	0.00
12	7.00	45	0	0	3	1	2	0	5	1	0	0.00	0.00	0.79	0.02	1.12	0.12
13	8.51	33	0	2	10	0	1	0	0	0	0	0.00	0.00	1.41	0.00	0.38	0.00
14	3.87	11	1	1	1	2	0	0	0	0	0	0.00	0.00	0.05	0.04	1.13	0.00
15	6.13	25	0	0	1	1	0	1	1	0	0	0.09	0.00	0.18	0.00	0.65	0.00
16	8.21	35	1	0	0	1	0	1	0	0	0	0.08	0.00	0.32	0.00	0.35	0.00
17	4.06	20	2	1	0	2	4	0	0	0	0	0.00	0.00	0.60	0.01	0.47	0.00
18	4.99	31	0	0	2	0	2	1	0	0	0	0.00	0.00	0.46	0.00	0.38	0.00
19	3.23	4	1	0	0	2	1	0	0	0	0	0.00	0.00	0.13	0.00	0.00	0.02
20	4.34	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
21	3.91	2	0	0	0	0	0	0	0	0	0	0.04	0.07	0.00	0.00	0.00	0.00
22	3.63	9	2	0	0	2	1	0	0	0	0	0.23	0.00	0.13	0.00	0.15	0.38
23	3.71	4	1	1	3	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.05	0.00
24	5.20	3	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
25	6.03	2	0	0	0	1	0	0	0	0	0	0.00	0.00	0.02	0.00	0.00	0.00
26	7.31	3	0	0	1	1	0	0	1	0	0	0.00	0.00	0.00	0.00	0.00	0.00
27	7.77	2	1	0	0	2	0	0	0	0	0	0.00	0.20	0.27	0.00	0.07	0.00
Total**	230.17	2100	22	22	101	19	351	3	15	7	3	0.54	0.59	72.82	0.42	19.64	0.52

\* Docks/piers not counted along Fenwick Island

\*\* Total Shoreline Miles: 759.17 (Maryland DNR, 1994)

Table 6. Worcester County, Maryland Shoreline Attributes - *Phragmites australis*, Remotely Assessed, and Survey Dates.

PLATE NUMBER	TOTAL MILES SURVEYED	FIELD SURVEY DATES	Miles Remotely Assessed	PHRAGMITES (miles)	PLATE NUMBER	TOTAL MILES SURVEYED	FIELD SURVEY DATES	Miles Remotely Assessed	PHRAGMITES (miles)	PLATE NUMBER	TOTAL MILES SURVEYED	FIELD SURVEY DATES	Miles Remotely Assessed	PHRAGMITES (miles)
1	9.71	6/9/2004	0.00	4.00	10	20.35	4/29/2004, 5/11/2004	0.00	1.80	19	3.23	5/15/2006	0.00	0.52
2	16.38	6/8-9/2004	0.00	1.83	11	8.79	4/29/2004, 5/11/2004	0.00	1.75	20	4.34	5/15/2006	0.00	0.16
3	17.26	6/8/2004	0.00	0.22	12	7.00	4/30/2004, 5/10/2004	0.00	1.66	21	3.91	5/15/2006	0.00	0.00
4	9.60	6/7-8/2004	0.00	0.84	13	8.51	4/30/2004, 5/16/2006	0.00	1.79	22	3.63	8/25/2003, 5/15/2006	0.00	0.02
5	17.67	5/10/2004, 6/7/2004	0.00	3.03	14	3.87	5/16/2006	0.00	0.46	23	3.71	8/25/2003	0.00	0.00
6	22.49	4/27/2004, 5/10/2004	0.00	5.23	15	6.13	5/16/2006	0.00	0.78	24	5.20	8/25/2003	0.00	0.00
7	14.98	4/27/2004	0.00	2.32	16	8.21	5/16/2006	2.92	0.98	25	6.03	8/25/2003	0.00	0.00
8	17.87	4/27/2004, 5/10/2004	0.00	0.93	17	4.06	5/13/2004	0.00	0.55	26	7.31	8/25/2003	0.00	0.00
9	14.84	4/27, 29, 5/11/2004	0.00	2.14	18	4.99	5/13/2004	0.00	2.03	27	7.77	8/25/2003	0.00	0.00

Total miles *Phragmites australis*: 28.80

Total miles remotely assessed: 2.92

Total miles surveyed: 230.17

Total Shoreline Miles: 759.17 (Maryland DNR, 1994)