

Table 4. Westmoreland County, Virginia Shoreline Attributes - Riparian Land Use and Bank and Buffer Conditions - Plate Summary 2006

PLATE NUMBER	TOTAL MILES SURVEYED										BANK												BANK COVER (miles)			TREE FRINGE (miles)	BUFFER CONDITION			
											FRINGE (miles)	BEACH PRESENT (miles)	MARSH PRESENT (miles)																	
													(bank height and erosion status - miles of shore)																	
											0-5 ft			5-10 ft			10-30 ft			>30 ft			bare partial full							
											low	high	undercut	low	high	undercut	low	high	undercut	low	high	undercut	bare	partial	full					
1	3.42	0.00	0.10	0.13	0.92	0.11	0.00	2.15	0.00	0.00	1.50	0.06	0.03	1.34	0.00	0.00	0.29	0.00	0.00	0.20	0.00	0.00	0.09	0.10	3.22	1.67	0.52	0.00	0.15	1.50
2	3.91	0.00	0.10	0.18	0.09	0.17	0.10	2.58	0.68	0.00	1.91	0.01	0.00	0.98	0.20	0.00	0.81	0.00	0.00	0.00	0.00	0.00	0.21	0.33	3.37	1.25	1.88	0.00	0.05	1.04
3	10.50	0.00	0.00	0.92	1.82	0.63	1.82	4.50	0.81	0.00	7.66	0.00	0.00	1.79	0.14	0.00	0.88	0.02	0.00	0.00	0.00	0.00	0.11	0.09	10.29	1.49	2.02	0.08	0.29	4.08
4	7.95	0.32	0.00	0.56	0.47	0.29	0.69	5.62	0.00	0.00	4.18	0.00	0.00	2.91	0.07	0.00	0.78	0.00	0.00	0.00	0.00	0.00	0.37	0.35	7.23	3.27	2.62	0.08	0.42	1.85
5	8.72	0.26	0.00	0.13	1.44	0.55	0.38	5.77	0.18	0.00	4.46	0.00	0.00	2.43	0.04	0.00	1.78	0.00	0.00	0.00	0.00	0.00	0.09	0.71	7.92	5.52	0.54	0.47	1.04	4.61
6	2.81	1.29	0.00	0.00	0.91	0.00	0.00	0.24	0.37	0.00	0.89	0.00	0.00	1.52	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	0.29	0.89	1.25	1.71	0.26	0.00	0.37
7	3.00	0.24	0.00	0.00	0.86	0.41	0.00	1.37	0.12	0.00	1.32	0.05	0.00	0.93	0.36	0.00	0.04	0.07	0.00	0.00	0.23	0.00	0.67	0.37	1.96	1.37	2.38	0.00	0.00	0.15
8	2.62	0.14	0.00	0.00	2.42	0.06	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.09	0.24	0.00	0.07	0.61	0.00	0.21	0.67	0.00	1.57	0.23	0.83	0.06	1.25	0.13	0.00	0.00
9	2.46	0.00	0.00	0.00	0.97	0.04	0.00	1.46	0.00	0.00	0.08	0.00	0.00	0.20	0.04	0.00	0.52	0.44	0.00	0.43	0.74	0.00	0.65	1.35	0.46	1.46	1.40	0.00	0.00	0.03
10	7.30	1.35	0.00	0.00	2.60	0.05	0.09	2.30	0.90	0.00	3.86	0.00	0.00	1.93	0.42	0.02	0.84	0.19	0.00	0.04	0.00	0.00	0.66	1.16	5.48	2.97	1.86	0.90	0.00	4.19
11	12.34	2.55	0.00	0.00	3.43	0.18	0.00	2.94	3.25	0.00	8.62	0.00	0.00	1.39	1.07	0.00	0.82	0.41	0.00	0.04	0.00	0.00	0.95	0.79	10.60	4.95	2.98	0.26	0.00	7.96
12	11.82	0.79	0.00	0.17	4.01	0.94	0.25	4.81	0.83	0.00	5.47	0.08	0.02	3.49	0.66	0.00	1.93	0.17	0.00	0.00	0.00	0.00	0.55	1.47	9.80	4.45	0.78	0.62	0.29	6.85
13	11.30	1.06	0.00	0.45	4.84	0.45	0.07	3.85	0.60	0.00	6.52	0.00	0.00	2.54	0.09	0.00	1.91	0.06	0.03	0.16	0.00	0.00	0.15	0.79	10.36	4.53	0.00	1.50	0.00	6.35
14	5.53	0.09	0.00	0.00	3.02	0.00	0.01	2.17	0.24	0.00	3.39	0.00	0.00	1.38	0.10	0.00	0.46	0.07	0.00	0.13	0.00	0.00	0.14	0.59	4.80	2.15	0.00	0.50	0.00	3.53
15	11.65	1.57	0.00	0.00	4.09	1.80	0.00	3.02	1.16	0.00	8.99	0.53	0.05	1.21	0.52	0.00	0.27	0.02	0.00	0.07	0.00	0.00	0.73	0.28	10.64	4.73	2.92	0.47	0.06	6.45
16	9.57	0.01	0.13	0.00	0.85	0.04	0.01	7.16	1.37	0.00	7.61	0.14	0.01	1.74	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.50	8.93	6.43	1.86	0.31	1.03	3.79
17	13.41	2.26	0.00	0.03	3.20	0.99	0.00	6.32	0.48	0.13	8.66	0.12	0.07	2.99	0.80	0.33	0.36	0.08	0.00	0.00	0.00	0.00	0.43	2.15	10.83	6.80	0.17	1.23	0.14	7.25
18	9.16	0.19	0.38	0.55	0.66	0.43	0.03	6.37	0.56	0.00	6.39	0.00	0.00	2.67	0.01	0.07	0.03	0.00	0.00	0.00	0.00	0.00	0.01	0.46	8.69	3.20	2.60	0.11	0.25	3.08
19	3.67	0.00	0.00	0.43	0.20	0.29	0.00	2.57	0.19	0.00	2.58	0.00	0.00	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.67	0.59	2.27	0.00	0.00	0.00
20	13.46	0.19	0.01	0.09	2.40	1.58	0.00	7.89	1.29	0.00	11.09	0.54	0.15	1.28	0.09	0.00	0.31	0.00	0.00	0.00	0.00	0.00	0.68	0.24	12.54	2.91	1.61	0.81	0.07	6.95
21	12.74	0.30	0.00	0.07	6.24	2.16	0.00	3.23	0.75	0.00	7.67	1.04	0.44	1.68	1.14	0.26	0.16	0.29	0.06	0.00	0.00	0.00	1.84	1.08	9.83	1.15	2.46	0.58	0.17	5.28
22	2.61	0.35	0.00	0.00	0.80	0.40	0.00	0.88	0.19	0.00	1.76	0.05	0.00	0.18	0.24	0.00	0.00	0.37	0.00	0.00	0.00	0.00	0.50	0.22	1.90	0.33	2.33	0.42	0.04	0.06
23	5.67	0.00	0.00	0.00	0.32	1.14	0.00	2.77	1.45	0.00	4.87	0.16	0.00	0.55	0.06	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	5.48	1.33	1.23	0.10	0.00	1.33
24	15.56	0.19	0.00	1.02	7.19	0.37	0.03	6.54	0.21	0.00	13.54	0.15	0.00	1.80	0.04	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.25	0.40	14.91	2.82	0.76	1.77	0.00	3.54
25	7.47	0.05	0.00	0.24	3.04	0.02	0.04	4.09	0.00	0.00	2.82	0.00	0.00	3.19	0.14	0.08	1.25	0.00	0.00	0.00	0.00	0.00	0.19	1.00	6.28	3.32	0.05	0.83	0.00	2.27
26	2.15	0.00	0.00	0.00	1.56	0.56	0.00	0.03	0.00	0.00	0.35	0.00	0.00	0.37	0.00	0.00	0.51	0.56	0.00	0.08	0.27	0.00	0.29	0.90	0.97	0.51	0.87	0.13	0.00	0.00
27	2.99	0.54	0.00	0.00	0.74	1.00	0.00	0.37	0.34	0.00	2.02	0.00	0.00	0.65	0.00	0.00	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.09	2.90	1.35	0.39	0.00	0.67	1.15
28	15.23	0.42	0.00	0.00	0.03	0.37	0.00	0.24	14.17	0.00	15.10	0.00	0.00	0.04	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.04	15.19	0.70	0.42	0.00	14.27	0.49
29	3.98	0.65	0.00	0.16	1.41	0.37	0.38	0.71	0.30	0.00	3.45	0.00	0.00	0.44	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.04	3.94	1.05	1.78	0.00	1.33	0.76
30	3.22	0.12	0.02	0.00	0.76	1.05	0.00	0.03	1.24	0.00	3.18	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.22	2.46	1.63	0.26	0.28	1.94
Total*	209.82	14.00	0.58	4.94	58.17	14.95	3.67	83.23	30.16	0.13	140.14	2.77	0.71	39.32	6.51	0.73	13.25	3.11	0.09	1.32	1.88	0.00	12.35	15.08	182.39	69.50	39.45	11.30	19.70	78.63

* Total Shoreline Miles: 262.02

Table 5. Westmoreland County, Virginia Shoreline Attributes - Shoreline Features - Plate Summary 2006

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 debris	Miles of unconventional	Miles of bulkhead	Miles of dilapidated bulkhead	Miles of riprap	Miles of marsh toe	Miles of wharf
1	3.42	30	0	1	0	0	1	1	1	0	0	0	0.05	0.01	0.84	0.06	0.16	0.00	0.00
2	3.91	38	14	2	0	0	0	4	0	0	0	0	0.00	0.14	1.02	0.06	1.11	0.00	0.00
3	10.50	154	9	10	8	0	3	3	6	1	0	2	0.09	0.04	2.35	0.13	1.84	0.00	0.07
4	7.95	92	4	15	4	2	1	6	1	1	0	3	0.00	0.25	1.95	0.00	1.55	0.00	0.00
5	8.72	101	4	29	9	0	0	1	0	1	0	0	0.00	0.09	1.67	0.00	0.41	0.00	0.00
6	2.81	2	0	0	0	0	0	0	0	0	0	0	0.00	0.04	0.00	0.11	0.15	0.00	0.00
7	3.00	16	3	4	1	1	2	4	0	0	0	0	0.00	0.06	0.98	0.04	0.64	0.00	0.00
8	2.62	0	0	0	0	0	0	1	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	2.46	0	0	0	0	0	0	0	0	0	0	1	0.00	0.00	0.00	0.00	0.20	0.00	0.00
10	7.30	35	0	9	2	1	0	2	1	0	3	2	0.00	0.00	0.35	0.00	0.36	0.00	0.00
11	12.34	39	1	9	2	0	0	3	0	0	1	0	0.00	0.01	0.13	0.00	1.28	0.03	0.00
12	11.82	71	9	23	5	0	0	1	1	0	0	0	0.00	0.02	0.54	0.00	1.62	0.03	0.06
13	11.30	43	2	16	6	0	0	0	1	0	0	0	0.05	0.04	0.33	0.13	0.44	0.00	0.07
14	5.53	16	0	10	2	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.14	0.00	0.00
15	11.65	46	2	6	28	0	0	5	0	0	0	1	0.00	0.00	0.99	0.00	1.55	0.05	0.00
16	9.57	159	1	10	1	0	1	4	0	0	2	2	0.00	0.10	0.84	0.00	2.89	0.00	0.00
17	13.41	109	2	10	5	0	1	1	2	0	0	0	0.06	0.04	0.69	0.07	1.16	0.00	0.00
18	9.16	149	8	13	6	1	3	11	3	0	1	1	0.06	0.14	2.10	0.06	2.15	0.00	0.00
19	3.67	73	5	0	1	0	1	3	0	1	4	0	0.00	0.00	1.42	0.05	0.79	0.00	0.00
20	13.46	202	2	20	22	0	4	8	0	0	0	3	0.06	0.03	2.59	0.10	2.18	0.04	0.00
21	12.74	54	3	6	3	1	1	2	0	0	2	2	0.00	0.03	0.92	0.02	0.95	0.00	0.03
22	2.61	17	1	0	0	0	0	4	0	0	0	0	0.00	0.00	0.46	0.00	0.26	0.00	0.00
23	5.67	59	3	6	3	0	1	7	0	0	2	3	0.00	0.00	1.57	0.25	1.52	0.00	0.00
24	15.56	93	4	19	8	0	2	5	5	1	0	0	0.02	0.40	1.92	0.13	2.08	0.03	0.06
25	7.47	61	2	2	1	0	0	0	0	1	0	0	0.00	0.01	0.45	0.01	0.47	0.00	0.00
26	2.15	1	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	2.99	5	0	1	1	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.11	0.00	0.00
28	15.23	5	0	0	2	0	0	0	0	0	0	0	0.00	0.04	0.07	0.00	0.04	0.00	0.00
29	3.98	10	2	0	4	0	0	0	0	0	0	0	0.04	0.10	0.22	0.00	0.03	0.00	0.00
30	3.22	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total*	209.82	1498	74	187	115	6	20	64	19	6	15	16	0.40	1.40	21.72	1.07	23.92	0.15	0.30

* Total Shoreline Miles: 262.02

Table 6. Westmoreland County, Virginia Shoreline Attributes 2006 - *Phragmites australis* and Survey Dates.

PLATE NUMBER	TOTAL MILES SURVEYED	MILES REMOTELY SURVEYED	FIELD SURVEY DATES	PHRAGMITES (miles)	PLATE NUMBER	TOTAL MILES SURVEYED	MILES REMOTELY SURVEYED	FIELD SURVEY DATES	PHRAGMITES (miles)	PLATE NUMBER	TOTAL MILES SURVEYED	MILES REMOTELY SURVEYED	FIELD SURVEY DATES	PHRAGMITES (miles)
1	3.42	0.00	10/31/2006	0.00	11	12.34	0.00	7/25-27/06	1.42	21	12.74	0.00	7/11, 12/06	0.61
2	3.91	0.00	8/15/06, 10/31/06	0.21	12	11.82	0.00	7/26, 27/06	0.27	22	2.61	0.00	7/12/2006	0.43
3	10.50	1.60	8/15/06, 10/31/06	0.79	13	11.30	0.00	7/26, 27/06	0.41	23	5.67	0.00	7/12/2006	0.38
4	7.95	0.00	7/31/06, 8/15, 18/06, 10/31/06	0.47	14	5.53	0.00	7/27/2006	0.38	24	15.56	0.00	7/7, 12/06	0.71
5	8.72	0.00	8/18/2006	0.16	15	11.65	0.00	7/25, 26/06	0.77	25	7.47	0.00	7/7/2006	0.20
6	2.81	0.00	7/31/2006	0.08	16	9.57	0.00	7/25/06, 9/15/06	0.26	26	2.15	0.00	7/10/2006	0.00
7	3.00	0.00	7/31/2006	0.29	17	13.41	0.00	7/24, 25/06	0.21	27	2.99	0.00	7/10/2006	0.00
8	2.62	0.00	7/31/2006	0.03	18	9.16	0.00	7/11, 24, 25/06	0.62	28	15.23	0.00	7/10/2006	0.00
9	2.46	0.00	7/31/2006	0.06	19	3.67	0.00	7/11/2006	0.05	29	3.98	0.00	7/10/2006	0.00
10	7.30	0.00	7/27, 31/06	1.24	20	13.46	0.00	7/11, 24/06	0.95	30	3.22	0.00	7/10/2006	0.00

Total miles of *Phragmites australis*: 10.14
Total Miles Remotely Surveyed: 1.60
Total Shoreline Miles: 262.02