

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

PLATE NUMBER	TOTAL MILES SURVEYED	RIPARIAN LAND USE									BANK												BANK COVER*			BUFFER CONDITION			
		(miles)									(bank height and erosion status - miles of shore)												(miles)			BEACH PRESENT		MARSH PRESENT	
		agriculture	bare	commercial	forest	grass	paved	residential	scrub-shrub	timbered	0-5 ft			5-10 ft			10-30 ft			>30 ft			(miles)			(miles)		(miles)	
											low	high	undercut	low	high	undercut	low	high	undercut	low	high	undercut	bare	partial	full	eroding	stable	eroding	stable
1	10.52	0.00	0.00	0.00	10.23	0.00	0.00	0.00	0.29	0.00	0.29	0.00	0.00	0.23	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.03	0.17	0.00	10.38
2	10.61	1.15	0.00	0.00	7.49	0.13	0.00	0.79	0.54	0.51	4.54	0.17	0.00	5.62	0.06	0.00	0.16	0.06	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.00	0.00	0.43	9.97
3	40.90	0.00	0.00	0.02	27.12	0.47	0.00	0.15	13.14	0.00	38.67	0.35	0.00	1.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.00	0.05	2.23	38.41
4	27.84	0.00	0.00	0.00	16.55	0.50	0.00	1.11	9.67	0.00	18.64	0.16	0.00	3.03	0.27	0.00	5.24	0.50	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.34	0.21	1.10	25.64
5	9.24	0.00	0.00	0.24	5.28	0.14	0.65	2.71	0.21	0.00	6.32	0.01	0.00	0.38	0.03	0.00	2.24	0.25	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.33	1.01	0.00	7.13
6	17.00	0.00	0.00	0.00	11.15	0.01	0.00	3.12	2.72	0.00	9.65	0.00	0.00	3.73	0.00	0.00	3.34	0.28	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.24	0.53	0.00	15.21
7	14.16	0.05	0.00	0.13	9.62	0.04	0.00	3.62	0.70	0.00	2.93	0.00	0.00	3.23	0.07	0.00	7.92	0.01	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.29	0.85	0.08	11.91
8	13.66	0.00	0.00	0.00	9.09	0.22	0.00	3.58	0.76	0.00	7.18	0.00	0.00	1.30	0.00	0.00	5.18	0.00	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.00	1.19	0.00	12.63
9	24.59	0.03	0.00	0.00	15.22	0.67	0.08	4.16	4.42	0.00	22.25	0.00	0.00	1.81	0.00	0.00	0.53	0.00	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.00	0.00	0.00	24.33
10	11.15	0.00	0.00	0.00	2.11	1.30	0.46	4.23	3.05	0.00	7.64	1.29	0.00	1.21	0.04	0.00	0.93	0.05	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.00	0.67	1.51	6.82
11	13.96	0.00	0.00	1.92	1.80	0.39	0.13	9.16	0.58	0.00	8.20	0.00	0.00	4.13	0.00	0.00	1.46	0.17	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.00	1.83	0.00	4.32
12	14.95	0.00	0.00	0.82	2.11	1.05	0.00	9.92	1.06	0.00	11.09	0.07	0.00	3.60	0.11	0.00	0.07	0.00	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.18	2.91	0.00	5.71
13	19.20	0.17	0.00	0.92	4.17	1.46	0.00	6.36	6.12	0.00	17.88	1.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.41	0.52	0.37	16.25
14	32.24	0.00	0.00	0.00	3.59	0.82	0.35	1.58	25.91	0.00	32.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.20	0.19	0.91	30.84
15	25.35	0.00	0.00	0.00	0.61	0.04	0.00	0.09	24.61	0.00	25.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.00	0.32	7.45	17.90
16	30.76	0.00	0.00	0.30	3.01	0.57	0.16	0.85	25.88	0.00	30.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.00	0.01	0.00	30.44
17	30.02	0.00	0.00	0.56	10.91	0.89	1.83	6.73	9.08	0.00	30.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.15	0.31	0.08	27.59
18	18.29	0.00	0.00	0.61	8.28	2.40	0.00	3.89	3.11	0.00	18.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.00	0.14	0.00	17.61
19	22.71	1.53	0.00	0.31	10.87	0.51	0.30	3.97	5.21	0.00	22.66	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.00	0.00	0.00	21.63
20	15.64	1.22	0.00	0.00	9.34	0.34	0.00	1.45	3.30	0.00	15.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.00	0.00	0.00	15.27
21	19.32	0.52	0.00	0.00	7.39	0.75	0.33	4.35	5.98	0.00	19.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.46	1.07	1.95	14.82
22	13.87	0.00	0.00	0.00	5.20	0.00	0.00	0.00	8.68	0.00	13.68	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.31	1.62	4.11	7.83
23	11.90	0.48	0.00	0.00	5.01	0.49	0.01	3.93	1.99	0.00	11.74	0.11	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.27	0.20	0.26	11.01
24	13.92	0.34	0.00	0.00	5.68	0.47	0.07	6.69	0.67	0.00	12.67	0.57	0.00	0.41	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.00	0.26	0.81	12.60
25	9.05	0.15	0.00	0.00	2.50	0.38	0.07	4.60	1.35	0.00	8.96	0.07	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.00	0.71	0.04	8.36
26	16.86	0.46	0.00	0.00	13.43	0.47	0.00	2.13	0.37	0.00	10.80	0.26	0.00	1.73	0.17	0.00	3.87	0.04	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.00	0.00	0.00	15.98
27	7.80	0.10	0.00	0.00	2.99	0.25	0.32	3.27	0.85	0.00	7.16	0.34	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.15	1.80	0.34	6.14
28	11.55	0.63	0.00	0.00	4.41	0.97	0.00	4.18	1.36	0.00	11.29	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.00	1.01	0.00	10.62
29	9.54	0.50	0.00	0.00	3.25	0.35	0.00	5.16	0.28	0.00	8.97	0.00	0.00	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.00	0.14	0.00	8.76
30	3.21	0.10	0.00	0.00	1.22	0.59	0.00	0.90	0.40	0.00	3.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.00	0.00	0.00	3.21
31	6.12	0.00	0.00	0.00	2.13	0.22	0.00	3.32	0.46	0.00	3.41	0.15	0.00	1.08	0.12	0.00	1.34	0.03	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.06	0.49	0.00	3.62
32	4.36	0.00	0.00	0.02	1.42	0.12	0.09	2.00	0.72	0.00	2.03	0.16	0.00	0.90	0.10	0.00	0.72	0.46	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.10	1.07	0.19	2.05
33	5.60	0.00	0.00	0.43	3.22	0.03	0.00	1.70	0.21	0.00	2.44	0.04	0.00	1.94	0.13	0.00	1.00	0.04	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.15	0.82	0.00	4.70
34	9.17	0.00	0.00	0.00	8.85	0.00	0.00	0.31	0.00	0.00	6.80	0.08	0.00	1.87	0.05	0.00	0.29	0.09	0.00	0.00	0.00	0.00	n/a	n/a	n/a	0.00	0.00	0.00	8.35
Total	492.46	7.30	0.00	5.27	217.39	15.89	4.42	100.17	141.50	0.51	407.00	5.33	0.00	35.58	1.42	0.00	41.21	1.91	0.00	0.00	0.00	0.00	n/a	n/a	n/a	3.06	17.87	19.54	422.98

* Bank cover was not included in the 1998 inventory.

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

PLATE NUMBER	TOTAL MILES SURVEYED	SHORELINE FEATURES														
		No. 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	10.52	6	2	0	n/a	0	0	0	0	n/a	n/a	0.00	n/a	0.00	n/a	n/a
2	10.61	24	5	0	n/a	0	0	0	0	n/a	n/a	0.05	n/a	0.13	n/a	n/a
3	40.90	3	1	3	n/a	0	0	0	0	n/a	n/a	0.02	n/a	0.03	n/a	n/a
4	27.84	41	6	2	n/a	0	0	0	2	n/a	n/a	0.06	n/a	0.33	n/a	n/a
5	9.24	22	6	3	n/a	1	0	2	2	n/a	n/a	0.42	n/a	0.39	n/a	n/a
6	17.00	30	6	3	n/a	2	0	0	1	n/a	n/a	0.68	n/a	0.29	n/a	n/a
7	14.16	60	9	5	n/a	5	0	0	0	n/a	n/a	0.93	n/a	0.47	n/a	n/a
8	13.66	29	0	3	n/a	0	0	0	2	n/a	n/a	0.06	n/a	0.11	n/a	n/a
9	24.59	48	0	1	n/a	0	0	0	0	n/a	n/a	0.03	n/a	0.12	n/a	n/a
10	11.15	41	5	4	n/a	1	0	0	1	n/a	n/a	0.32	n/a	0.43	n/a	n/a
11	13.96	101	13	4	n/a	7	8	1	3	n/a	n/a	2.52	n/a	1.41	n/a	n/a
12	14.95	116	15	7	n/a	9	6	0	1	n/a	n/a	3.61	n/a	1.20	n/a	n/a
13	19.20	77	6	10	n/a	2	1	0	2	n/a	n/a	0.84	n/a	0.68	n/a	n/a
14	32.24	8	0	3	n/a	0	0	0	0	n/a	n/a	0.32	n/a	0.18	n/a	n/a
15	25.35	2	0	0	n/a	0	0	0	0	n/a	n/a	0.10	n/a	0.00	n/a	n/a
16	30.76	2	0	1	n/a	0	0	0	0	n/a	n/a	0.06	n/a	0.00	n/a	n/a
17	30.02	67	3	9	n/a	0	2	0	1	n/a	n/a	0.64	n/a	0.92	n/a	n/a
18	18.29	42	0	2	n/a	0	2	0	0	n/a	n/a	0.03	n/a	0.28	n/a	n/a
19	22.71	48	3	5	n/a	0	2	0	0	n/a	n/a	0.29	n/a	0.11	n/a	n/a
20	15.64	24	2	1	n/a	0	0	0	0	n/a	n/a	0.16	n/a	0.00	n/a	n/a
21	19.32	35	9	4	n/a	0	0	0	1	n/a	n/a	0.66	n/a	0.46	n/a	n/a
22	13.87	1	0	0	n/a	0	0	0	0	n/a	n/a	0.05	n/a	0.00	n/a	n/a
23	11.90	30	2	2	n/a	0	0	1	4	n/a	n/a	0.35	n/a	0.72	n/a	n/a
24	13.92	49	7	7	n/a	1	0	0	0	n/a	n/a	0.72	n/a	0.77	n/a	n/a
25	9.05	65	4	4	n/a	2	0	0	1	n/a	n/a	0.82	n/a	0.73	n/a	n/a
26	16.86	38	4	3	n/a	0	0	0	0	n/a	n/a	0.20	n/a	0.23	n/a	n/a
27	7.80	26	1	2	n/a	3	0	0	2	n/a	n/a	0.32	n/a	1.52	n/a	n/a
28	11.55	45	5	3	n/a	0	0	0	5	n/a	n/a	0.16	n/a	0.57	n/a	n/a
29	9.54	44	11	5	n/a	0	0	0	2	n/a	n/a	0.10	n/a	0.38	n/a	n/a
30	3.21	7	1	2	n/a	0	0	0	0	n/a	n/a	0.05	n/a	0.00	n/a	n/a
31	6.12	53	10	4	n/a	1	0	0	0	n/a	n/a	0.37	n/a	0.58	n/a	n/a
32	4.36	56	3	3	n/a	2	0	0	0	n/a	n/a	0.47	n/a	0.43	n/a	n/a
33	5.60	67	4	4	n/a	0	0	0	1	n/a	n/a	0.79	n/a	0.12	n/a	n/a
34	9.17	11	1	2	n/a	0	0	0	0	n/a	n/a	0.11	n/a	0.41	n/a	n/a
Total	492.46	1227	133	101	n/a	33	12	4	29	n/a	n/a	15.00	n/a	12.87	n/a	n/a

Note: Columns containing "n/a" indicate that the structure was not included in the 1998 inventory.

Table 6. Gloucester County, Virginia Shoreline Attributes - *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	10.52	3.45	8/17/1998	n/a	13	19.20	2.38	11/10/1998, 11/17/1998	n/a	25	9.05	0.94	10/30/1998, 11/2/1998	n/a
2	10.61	0.40	8/17/1998	n/a	14	32.24	0.00	11/9/1998, 11/17/1998, 11/18/1998	n/a	26	16.86	5.07	10/30/1998, 11/2/1998	n/a
3	40.90	17.61	8/17/1998, 10/27/1998	n/a	15	25.35	0.00	11/17/1998, 11/18/1998	n/a	27	7.80	2.17	10/30/1998	n/a
4	27.84	14.64	10/27/1998	n/a	16	30.76	0.00	11/9/1998	n/a	28	11.55	1.05	10/26/1998	n/a
5	9.24	6.29	9/25/1998, 10/27/1998	n/a	17	30.02	2.45	11/5/1998, 11/9/1998	n/a	29	9.54	0.32	10/26/1998	n/a
6	17.00	8.41	9/25/1998	n/a	18	18.29	1.42	11/5/1998, 11/9/1998	n/a	30	3.21	1.50	10/26/1998	n/a
7	14.16	5.02	9/25/1998, 9/29/1998	n/a	19	22.71	2.23	11/4/1998, 11/5/1998	n/a	31	6.12	0.00	9/12/1998	n/a
8	13.66	1.89	9/18/1998, 9/25/1998, 9/29/1998	n/a	20	15.64	4.54	11/4/1998	n/a	32	4.36	0.00	9/12/1998, 9/24/1998	n/a
9	24.59	1.12	9/18/1998	n/a	21	19.32	2.70	11/2/1998, 11/4/1998	n/a	33	5.60	0.00	9/24/1998	n/a
10	11.15	2.30	9/18/1998	n/a	22	13.87	2.60	11/2/1998	n/a	34	9.17	0.00	9/17/1998	
11	13.96	3.64	8/11/1998, 9/16/1998, 9/18/1998, 10/1/1998	n/a	23	11.90	1.40	10/30/1998, 11/2/1998	n/a					
12	14.95	1.04	8/11/1998, 10/1/1998, 11/10/1998	n/a	24	13.92	4.13	10/30/1998, 11/2/1998	n/a					

Phragmites australis was not included in the 1998 inventory.

Total Miles Remotely Surveyed: 98.31

Total Shoreline Miles: 492.46