Table 5. Northampton County, Virginia Shoreline Attributes - Riparian Land Use - River System Summary

NORTHAMPTON COUNTY RIVER SYSTEM	TOTAL* MILES SURVEYED	RIPARIAN LAND USE (miles)																															
		AGRICULTURE				BARE	COMMERCIAL				FOREST			GRASS				INDUSTRIAL				PAVED				RESIDENTIAL				SCRUB-SHRUB			
		no tree buffer	tree fringe only	fringe with canopy over-hang	total	no tree buffer	no tree buffer	tree fringe only	fringe with canopy over-hang	total	no canopy over-hang	canopy over-hang	total	no tree buffer	tree fringe only	fringe with canopy over-hang	total	no tree buffer	tree fringe only	fringe with canopy over-hang	total	no tree buffer	tree fringe only	fringe with canopy over-hang	total	no tree buffer	tree fringe only	fringe with canopy over-hang	total	no tree buffer	tree fringe only	fringe with canopy over-hang	total
Cherrystone Inlet	23.45	1.50	5.61	0.07	7.18	0.13	0.12	0.00	0.00	0.12	9.39	0.18	9.57	0.58	0.96	0.05	1.59	0.00	0.00	0.00	0.00	0.23	0.21	0.00	0.44	0.76	2.11	0.02	2.89	1.53	0.00	0.00	1.53
Chesapeake Bay	43.94	1.41	2.42	0.03	3.86	0.58	0.96	0.08	0.00	1.04	16.35	0.00	16.35	2.10	0.87	0.00	2.97	0.89	0.00	0.00	0.89	1.24	0.31	0.00	1.55	4.83	5.99	0.00	10.82	5.46	0.29	0.00	5.75
Fishermans Island	32.91	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	0.00	0.00	4.95	0.00	0.00	4.95	0.00	0.00	0.00	0.00	27.96	0.00	0.00	27.96
Hungars Creek	27.05	0.23	2.88	0.56	3.67	0.00	0.03	0.00	0.00	0.03	11.09	0.79	11.88	0.09	0.82	0.00	0.91	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.06	1.21	6.74	0.09	8.04	1.75	0.18	0.32	2.25
Kings Creek	9.51	0.34	0.35	0.00	0.69	0.00	0.37	0.04	0.00	0.41	4.79	0.12	4.91	0.41	0.69	0.00	1.10	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.17	0.31	1.22	0.00	1.53	0.71	0.00	0.00	0.71
Machipongo River	44.05	1.68	6.11	0.00	7.79	0.00	0.99	0.00	0.00	0.99	29.65	0.00	29.65	0.09	0.03	0.00	0.12	0.00	0.00	0.00	0.00	0.75	0.10	0.00	0.85	0.54	0.45	0.00	0.99	2.24	0.95	0.00	3.19
Mattawoman Creek	14.6	0.05	1.67	0.52	2.24	0.00	0.00	0.00	0.00	0.00	6.53	1.48	8.01	0.38	0.89	0.04	1.31	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.03	0.29	2.50	0.06	2.85	0.16	0.00	0.00	0.16
Nassawadox Creek	52.99	0.27	3.19	0.12	3.58	0.00	0.03	0.18	0.00	0.21	27.45	3.18	30.63	0.64	1.65	0.21	2.50	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.03	2.60	10.46	1.06	14.12	1.50	0.00	0.00	1.50
Occohannock Creek	20.06	0.23	2.35	1.24	3.82	0.00	0.00	0.00	0.00	0.00	7.27	0.82	8.09	0.46	0.57	0.13	1.16	0.00	0.00	0.00	0.00	0.67	0.14	0.00	0.81	2.57	2.57	0.06	5.20	0.73	0.26	0.00	0.99
Oceanside Islands	297.72	0.00	0.00	0.00	0.00	0.42	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	0.00	0.75	0.00	0.00	0.75	296.55	0.00	0.00	296.55
Oceanside Mainland	93.99	1.45	10.07	0.00	11.52	0.13	0.56	0.03	0.00	0.59	62.74	0.09	62.83	0.63	0.59	0.00	1.22	0.00	0.00	0.00	0.00	1.79	0.28	0.00	2.07	1.03	1.31	0.00	2.34	13.17	0.12	0.00	13.29
Old Plantation Creek	18.39	0.00	1.50	0.00	1.50	0.00	0.00	0.00	0.00	0.00	11.22	0.46	11.68	0.14	1.62	0.11	1.87	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.07	0.13	1.58	0.08	1.79	1.19	0.27	0.00	1.46
The Gulf	8.97	0.00	0.94	1.09	2.03	0.00	0.00	0.00	0.00	0.00	3.78	1.59	5.37	0.00	0.50	0.07	0.57	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.04	0.26	0.57	0.12	0.95	0.00	0.00	0.00	0.00
Total	687.63	7.16	37.09	3.63	47.88	1.26	3.06	0.33	0.00	3.39	190.26	8.71	198.97	5.52	9.19	0.61	15.32	0.89	0.00	0.00	0.89	9.89	1.18	0.00	11.07	15.28	35.50	1.49	52.27	352.95	2.07	0.32	355.34

*Total = field + remote surveys (does not include marsh island shoreline)

Table 6. Northampton County, Virginia Shoreline Attributes - Riparian Bank Condition - River System Summary

	TOTAL* MILES SURVEYED	BANK COVER (miles)			BANK (bank height and erosion status - miles of shore)															
					0-5 FEET				5-10 FEET				10-30 FEET				>30 FEET			
		bare	partial	full	unstable	stable	transitional	undercut	unstable	stable	transitional	undercut	unstable	stable	transitional	undercut	unstable	stable	transitional	undercut
Cherrystone Inlet	23.45	0.02	0.81	22.62	0.57	18.44	0.04	0.00	0.00	4.21	0.09	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00
Chesapeake Bay	43.94	4.33	8.46	31.18	4.65	14.81	0.67	0.18	3.06	15.14	0.20	0.17	1.77	3.29	0.03	0.00	0.00	0.00	0.00	0.00
Fishermans Island	32.91	0.00	0.00	32.91	9.71	17.06	0.00	0.00	5.48	0.21	0.00	0.00	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00
Hungars Creek	27.05	0.25	0.09	26.70	0.19	13.06	0.10	0.12	0.45	8.97	0.12	0.22	0.17	3.58	0.05	0.00	0.00	0.00	0.00	0.00
Kings Creek	9.51	0.08	0.08	9.35	0.00	5.59	0.00	0.00	0.02	2.99	0.01	0.00	0.00	0.87	0.02	0.00	0.00	0.00	0.00	0.00
Machipongo River	44.05	0.00	0.08	43.97	0.00	44.05	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
Mattawoman Creek	14.60	0.00	0.61	13.99	0.12	7.97	0.05	0.09	0.06	2.69	0.05	0.14	0.03	2.60	0.05	0.77	0.00	0.00	0.00	0.00
Nassawadox Creek	52.99	1.76	1.73	49.49	0.29	22.22	0.08	0.02	0.83	16.07	0.59	0.33	1.40	10.15	0.53	0.46	0.00	0.00	0.00	0.00
Occohannock Creek	20.06	0.11	0.34	19.61	0.28	12.63	0.00	0.00	0.09	5.47	0.00	0.03	0.20	1.36	0.00	0.00	0.00	0.00	0.00	0.00
Oceanside Islands	297.72	0.42	0.00	297.29	291.17	6.17	0.00	0.00	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oceanside Mainland	93.99	0.00	0.33	93.66	0.11	87.43	0.25	0.00	0.00	5.85	0.04	0.00	0.00	0.32	0.00	0.00	0.00	0.00	0.00	0.00
Old Plantation Creek	18.39	0.00	0.22	18.17	0.20	13.38	0.00	0.00	0.02	3.76	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00	0.00	0.00
The Gulf	8.97	0.00	0.42	8.55	0.00	3.46	0.00	0.16	0.00	1.60	0.01	0.18	0.01	2.46	0.22	0.87	0.00	0.00	0.00	0.00
Total	687.63	6.97	13.17	667.49	307.29	266.27	1.19	0.57	10.38	66.96	1.11	1.07	3.58	26.19	0.90	2.10	0.00	0.00	0.00	0.00

*Total = field + remote surveys (does not include marsh island shoreline)

Table 7. Northampton County, Virginia Shoreline Attributes - Natural Buffers, *Phragmites australis* and Survey Dates - River System Summary

NORTHAMPTON COUNTY RIVER SYSTEM	TOTAL* MILES SURVEYED	BEACH (miles)	NATURAL BUFFER MARSH (acres)							PHRAGMITES (miles)	FIELD SURVEY DATES
			embayed	extensive	fringe <5	fringe 5-10	fringe 10-15	fringe >15	marsh island		
Cherrystone Inlet	23.45	1.26	166.58	0.10	5.34	15.95	8.22	88.15	0.88	0.77	June 15, 2011 & July 20, 2011
Chesapeake Bay	43.94	25.53	76.84	9.35	1.84	3.35	1.54	45.90	8.87	0.78	May 31, June 1 & 15, July 5, 15, 18-20, & 28, & Aug 15, 2011
Fishermans Island	32.91	7.42	0.00	961.07	0.00	0.00	0.00	0.00	118.90	unknown	n/a
Hungars Creek	27.05	0.13	155.76	0.00	4.37	3.46	7.01	46.53	0.05	2.13	June 1, 2011 & July 15, 2011
Kings Creek	9.51	0.25	10.17	0.00	6.75	6.22	1.72	6.57	0.40	0.04	June 14 & 15, 2011
Machipongo River	44.05	0.06	0.00	1154.57	0.20	0.30	0.11	132.37	21.68	unknown	n/a
Mattawoman Creek	14.6	0.11	35.20	0.00	1.42	2.68	2.33	25.93	0.05	0.83	July 19 & 20, 2011
Nassawadox Creek	52.99	1.76	147.66	0.00	10.75	4.97	7.93	76.74	27.86	0.86	June 1-3 & 13-14, & July 5, 2011
Occohannock Creek	20.06	1.09	27.77	0.00	1.19	2.02	2.39	41.10	0.92	0.98	May 31, 2011
Oceanside Islands	297.72	26.53	0.00	22.74	0.00	0.00	0.00	0.09	23358.29	unknown	n/a
Oceanside Mainland	93.99	0.44	4.98	9671.57	0.41	0.13	1.50	37.35	27.67	0.21	July 14, 2011
Old Plantation Creek	18.39	0.08	44.33	10.72	7.06	9.80	5.07	68.98	41.01	0.35	June 15, 2011 & August 15, 2011
The Gulf	8.97	0.18	18.57	0.00	1.52	1.04	0.72	7.89	0.45	0.16	July 20, 2011
Total	687.63	64.84	687.86	11830.12	40.85	49.92	38.54	577.6	23607.03	7.11	

*Total = field + remote surveys (not including marsh island shoreline)

Table 8. Northampton County, Virginia Shoreline Attributes - Shoreline Features - River System Summary

NORTHAMPTON COUNTY RIVER SYSTEM	TOTAL MILES SURVEYED*	SHORELINE FEATURES																	
		No. docks	No. dilapidated docks	No. boathouses	No. ramps private	No. ramps public	No. outfalls	No. groinfields	No. marinas <50 slips	No. marinas >50 slips	No. jetties	No. breakwater	Miles of debris	Miles of unconventional	Miles of bulkhead	Miles of dilapidated bulkhead	Miles of marsh toe revetment	Miles of riprap	Miles of wharf
Cherrystone Inlet	23.45	19	1	2	7	0	1	0	1	0	0	0	0.42	0.24	0.15	0.05	0.00	0.07	0.00
Chesapeake Bay	43.94	43	3	0	2	4	2	16	1	0	1	14	0.74	0.23	3.87	0.06	0.06	3.33	0.31
Fishermans Island	32.91	0	0	0	0	0	0	0	0	0	0	0	0.00	0.05	0.00	0.00	0.00	0.48	0.00
Hungars Creek	27.05	137	1	3	13	0	0	0	0	0	0	0	0.00	0.05	0.67	0.00	0.00	0.11	0.03
Kings Creek	9.51	27	0	3	1	0	0	0	0	2	0	0	0.02	0.00	0.00	0.00	0.00	0.12	0.03
Machipongo River	44.05	12	1	0	3	0	0	0	1	0	0	0	0.00	0.05	0.25	0.00	0.00	0.09	0.06
Mattawoman Creek	14.6	39	1	1	3	0	0	0	0	0	0	0	0.02	0.00	0.11	0.00	0.00	0.17	0.00
Nassawadox Creek	52.99	189	12	16	15	0	0	1	0	0	0	0	0.14	0.03	1.11	0.03	0.00	0.28	0.02
Occohannock Creek	20.06	66	6	0	2	2	0	1	0	0	0	0	0.03	0.00	0.53	0.01	0.00	0.55	0.00
Oceanside Islands	297.72	1	1	0	0	0	0	1	0	0	0	1	0.00	0.00	0.22	0.00	0.00	0.00	0.00
Oceanside Mainland	93.99	25	7	0	7	8	4	0	2	0	0	0	0.15	0.13	0.20	0.06	0.00	0.28	0.00
Old Plantation Creek	18.39	25	2	0	5	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
The Gulf	8.97	28	1	3	3	0	1	0	0	0	0	0	0.18	0.00	0.06	0.00	0.00	0.00	0.00
Total	687.63	611	36	28	61	14	8	19	5	2	1	15	1.70	0.78	7.17	0.21	0.06	5.48	0.45

*Total = field + remote surveys (does not include marsh island shoreline)