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The County of Isle of Wight, Virginia Shoreline Inventory Report: Summary Tables

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Table 4. Isle of Wight County, Virginia Shoreline Attributes - Riparian Land Use (miles) - River System Summary 2017

RIVER SYSTEM	TOTAL* MILES SURVEYED	AGRICULTURE			BARE			COMMERCIAL			FOREST total	GRASS			INDUSTRIAL			MILITARY			PAVED			RESIDENTIAL			SCRUB-SHRUB			TIMBERED		
		no tree buffer	tree fringe	total	no tree buffer	tree fringe	total	no tree buffer	tree fringe	total		no tree buffer	tree fringe	total	no tree buffer	tree fringe	total	no tree buffer	tree fringe	total	no tree buffer	tree fringe	total	no tree buffer	tree fringe	total	no tree buffer	tree fringe	total	no tree buffer	tree fringe	total
Chuckatuck Creek	38	<1	11	12	0	0	0	<1	<1	<1	4	<1	1	2	0	0	0	0	0	0	<1	<1	<1	4	13	17	3	1	4	0	0	0
Cypress Creek	21	<1	6	6	0	<1	<1	<1	0	<1	5	1	1	2	0	0	0	0	0	0	<1	1	2	1	4	5	0	<1	<1	0	0	0
James River	42	1	3	4	0	0	0	<1	<1	1	12	1	2	3	0	0	0	0	0	0	3	1	4	8	10	18	1	0	1	0	0	0
Jones Creek	52	0	16	16	0	<1	<1	<1	1	1	11	<1	3	3	0	0	0	0	0	0	1	1	2	4	16	19	<1	<1	<1	0	0	0
Lawnes Creek	10	0	<1	<1	0	0	0	0	0	0	6	0	1	1	0	0	0	0	0	0	<1	1	1	0	1	1	0	0	0	0	0	0
Pagan River	60	<1	10	10	0	0	0	1	1	2	19	1	3	4	0	0	0	0	0	0	1	2	3	5	18	23	<1	<1	<1	0	0	0
Total	222	1	46	47	0	<1	<1	2	2	4	56	3	11	14	0	0	0	0	0	0	6	6	12	21	62	83	4	1	5	0	0	0

*Total = upland shoreline only (upland/marsh and upland/water). Does not include marsh/water shoreline.

**tree fringe: When the dominant riparian land use is not forested but a line of trees is maintained along the bank edge, the land use is noted to include a tree fringe. This tree fringe value includes tree fringe and tree fringe > 100 feet wide.

Note: Numbers have been rounded. Summing numbers across rows or down columns may not necessarily equal the exact total whole number shown.

Table 5. Isle of Wight County, Virginia Shoreline Attributes - Riparian Bank Condition - River System Summary 2017

RIVER SYSTEM	TOTAL* MILES SURVEYED	BANK COVER (miles)			BANK HEIGHT (miles)		
		bare	partial	total	0-5 feet	5-30 feet	>30 feet
Chuckatuck Creek	38	0	0	38	37	1	0
Cypress Creek	21	0	0	21	12	8	0
James River	42	<1	1	41	33	8	<1
Jones Creek	52	0	0	52	50	2	0
Lawnes Creek	10	0	0	10	7	3	0
Pagan River	60	<1	<1	60	42	18	0
Total	222	<1	1	221	181	41	<1

*Total = upland shoreline only (upland/marsh and upland/water). Does not include marsh/water shoreline.

Note: Numbers have been rounded. Summing numbers across rows or down columns may not necessarily equal the exact total whole number shown.

Table 6. Isle of Wight County, Virginia Shoreline Attributes - Natural Buffers, *Phragmites australis* and Marsh Survey Dates - River System Summary 2017

RIVER SYSTEM	BEACH (miles)	# Wetland Polygons		Marsh Type (acres)						MARSH Community Type ¹ (acres)												PHRAGMITES ³ (percent of field checked marshes)	MARSH SURVEY DATES	
		total	field checked	marsh	marsh island	no marsh forested	no marsh sand	no marsh scrub-shrub	total marsh	I	II	III	IV	V	VI	VII	VIII ²	IX	X	XI	XII			DNS ^{**}
Chuckatuck Creek	0	113	38	396	0	0	0	0	396	98	0	1	0	3	0	0	1	0	0	0	15	278	37	June 22, & Sept 8, 2017
Cypress Creek	0	108	48	363	0	7	0	0	363	7	0	0	0	102	0	0	0	0	0	0	66	188	19	June 14, 2017
James River	13	103	20	1776	0	264	4	4	1776	21	0	37	0	0	0	0	10	0	0	0	797	911	70	June 22, & Sept 8, 2017
Jones Creek	0	196	89	698	0	<1	0	<1	698	193	0	17	0	<1	0	0	1	0	0	0	155	331	27	June 12, 14, & Sept 8, 2017
Lawnes Creek	0	29	26	406	0	<1	0	0	406	0	0	0	0	91	1	4	3	0	0	32	271	3	June 7, 2017	
Pagan River	<1	227	79	1542	0	5	0	<1	1542	27	0	16	0	31	<1	0	1	0	0	20	201	1245	33	June 14, 22, & Sept 8, 2017
Total	14	776	300	5181	0	276	4	5	5181	346	0	71	0	228	1	4	16	0	0	53	1506	2956		

**DNS = Did Not Survey

- ¹Community Type:
- I = Saltmarsh Cordgrass / low marsh
 - II = Saltmeadow / high marsh
 - III = Black Needlerush
 - IV = Saltbush
 - V = Big Cordgrass
 - VI = Cattail
 - VII = Arrow Arum – Pickerel Weed
 - VIII = Reed Grass (*Phragmites australis*)
 - IX = Yellow Pond Lily
 - X = Saltwort
 - XI = Freshwater mix
 - XII = Brackish mix

²Type VIII - Field checked marshes where *Phragmites australis* was estimated to cover >50% marsh area.

³Phragmites - percent of field checked marshes where *Phragmites australis* is present in any amount.

Table 7. Isle of Wight County, Virginia Shoreline Attributes - Shoreline Features - River System Summary 2017

RIVER SYSTEM	TOTAL* MILES SURVEYED	Number									Miles							
		docks	dilapidated docks	boathouses	private ramps	public ramps	marinas <50 slips	marinas >50 slips	wharfs	jetties	bulkhead	dilapidated bulkhead	debris	marsh toe revetment	riprap	unconventional	breakwater	groinfields
Chuckatuck Creek	38	50	6	37	2	0	0	0	0	0	<1	0	0	<1	1	0	0	0
Cypress Creek	21	16	3	12	2	0	0	1	0	0	<1	0	0	0	<1	0	0	0
James River	42	37	15	34	3	1	1	0	0	2	<1	0	<1	<1	5	<1	2	1
Jones Creek	52	52	4	22	5	3	1	1	0	0	<1	<1	0	0	<1	0	0	0
Lawnes Creek	10	6	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagan River	60	83	7	39	8	0	0	2	0	0	<1	0	0	<1	1	0	<1	0
Total	222	244	35	146	20	4	2	4	0	2	2	<1	<1	<1	7	<1	2	1

*Total = upland shoreline only (upland/marsh and upland/water). Does not include marsh/water shoreline.

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