

2018

# Summary Tables: 2018 Caroline County, Virginia Shoreline Inventory

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Table 4. Caroline County, Virginia Shoreline Attributes - Riparian Land Use (miles) - River System Summary 2018

RIVER SYSTEM	TOTAL* MILES SURVEYED	AGRICULTURE			BARE			COMMERCIAL			FOREST	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	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		
Peumansend Creek	5	0	1	1	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	<1	0	<1	0	<1	<1	0	0	0	0	0	0
Portobago Creek	1	0	0	0	0	0	0	0	0	0	<1	<1	0	<1	0	0	0	0	0	0	0	0	0	0	0	<1	1	1	0	0	0	0	0	0
Rappahannock River	45	2	9	12	<1	<1	<1	<1	0	<1	27	1	1	2	0	0	0	0	0	0	0	0	<1	0	<1	2	2	3	0	1	1	0	0	0
Total	51	2	11	13	<1	<1	<1	<1	0	<1	31	1	1	2	0	0	0	0	0	0	0	0	<1	0	<1	2	3	5	0	1	1	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. Caroline County, Virginia Shoreline Attributes - Riparian Bank Condition - River System Summary 2018

RIVER SYSTEM	TOTAL* MILES SURVEYED	BANK COVER (miles)			BANK HEIGHT (miles)		
		bare	partial	total	0-5 feet	5-30 feet	>30 feet
Peumansend Creek	5	0	0	5	3	1	0
Portobago Creek	1	0	0	1	0	1	0
Rappahannock River	45	<1	0	44	31	10	4
Total	51	1	1	50	35	12	5

\*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. Caroline County, Virginia Shoreline Attributes - Natural Buffers, *Phragmites australis* and Marsh Survey Dates - River System Summary 2018

RIVER SYSTEM	BEACH (miles)	# Wetland Polygons		Marsh Type (acres)						MARSH Community Type <sup>1</sup> (acres)												PHRAGMITES <sup>3</sup> (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 <sup>2</sup>	IX <sup>4</sup>	X	XI	XII		
Peumansend Creek	0	25	0	73	0	<1	0	0	73	0	0	0	0	0	0	0	33	0	0	0	41	DNS	DNS
Portobago Creek	<1	7	0	25	0	3	0	0	25	0	0	0	0	0	0	0	<1	0	0	0	25	DNS	DNS
Rappahannock River	<1	93	0	352	2	9	0	0	354	0	0	0	0	0	0	0	21	0	0	0	333	DNS	DNS
Total	<1	125	0	450	2	12	0	0	452	0	0	0	0	0	0	0	53	0	0	0	399		

\*\*DNS = Did Not Survey

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

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

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

<sup>4</sup>Type IX (Yellow Pond Lily) was classified by visual inspection of 2017 VBMP imagery, Bing high resolution oblique imagery, & Google Earth imagery.

Table 7. Caroline County, Virginia Shoreline Attributes - Shoreline Features - River System Summary 2018

RIVER SYSTEM	TOTAL* MILES SURVEYED	Number										Miles							
		dilapidated docks		boathouses	ramps		marinas		wharfs	jetties	bulkhead	dilapidated bulkhead	debris	marsh toe revetment	riprap	unconventional	breakwater	groinfields	
Peumansend Creek	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Portobago Creek	1	1	0	2	0	0	0	0	0	0	<1	0	0	0	0	0	0		
Rappahannock River	45	31	1	6	4	4	1	0	0	0	<1	<1	0	0	<1	0	<1		
Total	51	32	1	8	4	4	1	0	0	0	<1	<1	0	0	<1	0	<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.