

Reports

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2017

## Summary Tables: Surry County, Virginia Shoreline Inventory Report

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

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			
Chippokes Creek	13	0	3	3	0	0	0	0	0	0	7	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Grays Creek	21	<1	1	1	<1	0	<1	<1	0	<1	14	<1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
James River	42	3	3	7	0	0	0	1	<1	1	17	4	1	4	1	0	1	0	0	0	1	1	2	4	3	7	4	0	4			
Lawnes Creek	11	0	0	0	0	0	0	0	0	0	6	1	3	3	0	0	0	0	0	0	<1	<1	<1	<1	1	1	<1	<1	<1			
Timber Neck Creek	7	0	<1	<1	0	0	0	0	0	0	6	<1	<1	<1	0	0	0	0	0	0	<1	0	<1	<1	<1	1	0	0	0			
Upper Chippokes Creek	15	0	2	2	0	0	0	0	0	0	11	<1	<1	<1	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Total	109	3	10	13	<1	0	<1	1	<1	1	60	5	6	12	1	0	1	0	0	0	1	1	2	4	10	14	4	1	5			

\*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. Surry 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
Chippokes Creek	13	0	1	12	13	0	0
Grays Creek	21	<1	1	20	18	2	0
James River	42	3	4	35	31	11	0
Lawnes Creek	11	0	0	11	10	1	0
Timber Neck Creek	7	<1	<1	7	7	0	0
Upper Chippokes Creek	15	<1	<1	15	14	2	0
Total	109	4	6	99	93	16	0

\*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. Surry 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 <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	X	XI	XII			DNS**
Chippokes Creek	0	51	30	199	0	<1	0	0	199	0	0	0	0	19	0	3	57	0	0	98	0	22	40	June 9, 2017
Grays Creek	1	67	51	512	0	2	0	0	512	0	0	0	0	3	<1	150	<1	0	0	319	0	40	22	June 6, 2017
James River	17	98	49	404	0	2	0	<1	404	<1	0	0	<1	122	0	0	56	0	0	26	10	190	53	June 6, 9, & August 2, 2017
Lawnes Creek	0	49	32	150	0	0	0	0	150	0	0	0	<1	6	3	10	54	0	0	48	0	28	50	June 7, 2017
Timber Neck Creek	<1	32	0	108	0	1	0	0	108	0	0	0	0	0	0	0	0	0	0	0	0	108	DNS	DNS
Upper Chippokes Creek	0	41	21	255	0	2	0	0	255	0	0	0	0	0	<1	144	0	0	0	48	0	63	0	June 6, 2017
<b>Total</b>	<b>18</b>	<b>338</b>	<b>183</b>	<b>1628</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>&lt;1</b>	<b>1628</b>	<b>&lt;1</b>	<b>0</b>	<b>0</b>	<b>&lt;1</b>	<b>151</b>	<b>4</b>	<b>307</b>	<b>166</b>	<b>0</b>	<b>0</b>	<b>540</b>	<b>10</b>	<b>450</b>		

\*\*DNS = Did Not Survey

<sup>1</sup>Community 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

<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.

Table 7. Surry County, Virginia Shoreline Attributes - Shoreline Features - River System Summary 2017

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	
Chippokes Creek	13	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grays Creek	21	12	2	6	5	0	0	0	0	0	<1	0	0	0	0	0	0	0	0
James River	42	25	12	18	14	0	0	0	1	4	2	<1	0	<1	3	<1	1	1	1
Lawnes Creek	11	4	0	4	0	1	0	0	0	1	<1	0	0	0	0	0	0	0	0
Timber Neck Creek	7	6	0	2	2	1	0	0	0	0	<1	0	0	0	<1	0	<1	0	0
Upper Chippokes Creek	15	11	0	0	2	0	0	0	0	0	<1	0	0	0	0	0	0	0	0
<b>Total</b>	<b>109</b>	<b>60</b>	<b>14</b>	<b>30</b>	<b>24</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>5</b>	<b>2</b>	<b>&lt;1</b>	<b>0</b>	<b>&lt;1</b>	<b>3</b>	<b>&lt;1</b>	<b>2</b>	<b>1</b>	<b>1</b>

\*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.