

Reports

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Summary Tables: King George County, Virginia Shoreline Inventory Report

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Table 4. King George 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						
Chotank Creek	8	0	1	1	0	0	0	0	0	0	4	<1	<1	1	0	0	0	0	0	0	0	0	0	0	0	0	<1	2	2	1	0	1	0	0	0
Gambo Creek	12	0	0	0	0	0	0	0	0	0	2	<1	1	1	0	0	0	2	6	8	<1	0	<1	0	0	0	0	0	0	0	0	0	0	0	0
Potomac River	47	1	2	3	0	0	0	1	<1	1	15	3	2	4	0	0	0	2	<1	3	<1	0	<1	11	8	19	1	1	2	0	<1	<1	0	<1	<1
Rappahannock River	67	5	23	29	<1	0	<1	0	0	0	20	<1	1	2	0	1	1	0	0	0	<1	0	<1	2	7	9	5	2	7	0	0	0	0	0	0
Rosier Creek	4	0	<1	<1	0	0	0	0	<1	<1	<1	<1	<1	<1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	0	0	0	0	0	0
Upper Machodoc Creek	56	3	12	15	0	1	1	<1	2	2	15	<1	2	2	0	0	0	<1	0	<1	1	1	1	7	12	19	<1	<1	1	0	0	0	0	0	0
Total	193	9	39	48	<1	1	1	1	3	4	56	4	6	10	0	1	1	5	6	11	1	1	2	20	30	51	7	3	10	0	<1	<1	0	<1	<1

*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. King George 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
Chotank Creek	8	<1	0	7	8	0	0
Gambo Creek	12	0	0	12	12	0	0
Potomac River	47	1	2	45	41	6	0
Rappahannock River	67	<1	<1	66	64	2	0
Rosier Creek	4	<1	<1	4	4	<1	0
Upper Machodoc Creek	56	0	0	56	56	<1	0
Total	193	1	3	189	185	9	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. King George 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 ^{**}
Chotank Creek	<1	25	3	207	0	20	0	0	207	0	0	0	0	0	0	0	3	0	0	0	0	204	100	June 20, 2017
Gambo Creek	<1	48	0	124	0	0	0	0	124	0	0	0	0	0	0	0	0	0	0	0	0	124	DNS	DNS
Potomac River	10	59	28	299	0	0	0	0	299	<1	0	0	1	0	<1	0	3	0	0	8	<1	287	14	June 20, 2017
Rappahannock River	0	173	0	475	0	86	0	4	475	0	0	0	0	0	0	0	0	0	0	0	0	475	DNS	DNS
Rosier Creek	<1	33	24	63	0	0	0	0	63	<1	0	0	0	<1	0	0	1	0	0	0	4	58	33	June 20, 2017
Upper Machodoc Creek	1	269	201	342	0	<1	0	0	342	34	0	0	14	106	3	0	3	0	0	1	52	128	15	June 19, 20, & Aug 24, 2017
Total	12	607	256	1511	0	107	0	4	1511	35	0	0	14	106	3	0	11	0	0	9	56	1276		

**DNS = Did Not Survey

¹Community 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

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. King George 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	<50 slips marinas	>50 slips marinas	wharfs	jetties	bulkhead	dilapidated bulkhead	debris	marsh toe revetment	riprap	unconventional	breakwater	groinfields
Chotank Creek	8	3	0	0	0	0	0	0	0	0	0	0	0	<1	0	0	0	
Gambo Creek	12	0	0	0	0	0	0	0	0	0	<1	0	<1	0	<1	0	<1	
Potomac River	47	85	2	18	33	0	2	0	0	12	3	<1	1	<1	6	<1	1	4
Rappahannock River	67	28	0	2	5	2	0	0	0	0	<1	0	0	0	<1	0	0	
Rosier Creek	4	9	1	3	1	0	1	0	0	0	0	0	0	<1	0	0	0	
Upper Machodoc Creek	56	78	0	25	19	1	1	2	0	5	1	<1	0	<1	<1	<1	0	
Total	193	203	3	48	58	3	4	2	0	17	4	<1	1	<1	7	<1	1	4

*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.