

2014

# Williamsburg Summary Tables: James City County and City of Williamsburg, Virginia Shoreline Inventory Report

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Table 4. City of Williamsburg, Virginia Shoreline Attributes - Riparian Land Use (miles) - River System Summary 2014

RIVER SYSTEM	TOTAL* MILES SURVEYED	AGRICULTURE			BARE			COMMERCIAL			FOREST total	GRASS			INDUSTRIAL			PAVED			RESIDENTIAL			SCRUB-SHRUB		
		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
College Creek	4	0	0	0	0	0	0	0	0	0	2	<1	0	<1	0	0	0	<1	0	<1	0	2	2	0	0	0
Queen Creek	1	0	0	0	0	0	0	0	0	0	1	<1	0	<1	0	0	0	<1	0	<1	0	<1	<1	0	0	0
Total	5	0	0	0	0	0	0	0	0	0	3	<1	0	<1	0	0	0	<1	0	<1	0	2	2	0	0	0

\*Total = does not include detached marsh shoreline

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

Table 5. City of Williamsburg, Virginia Shoreline Attributes - Riparian Bank Condition - River System Summary 2014

RIVER SYSTEM	TOTAL* MILES SURVEYED	BANK COVER (miles)			BANK HEIGHT (miles)			BANK STABILITY (miles)		
		bare	partial	total	0-5 feet	5-30 feet	>30 feet	stable	unstable	unknown
College Creek	4	0	0	4	3	1	0	4	0	<1
Queen Creek	1	0	0	1	1	<1	0	1	0	0
Total	5	0	0	5	4	1	0	5	0	<1

\*Total = does not include detached marsh 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. City of Williamsburg, Virginia Shoreline Attributes - Natural Buffers, *Phragmites australis* and Marsh Survey Dates - River System Summary 2014

RIVER SYSTEM	BEACH (miles)	# Wetland Polygons		Marsh Type (acres)					MARSH												PHRAGMITES <sup>3</sup> (percent of field checked marshes)	MARSH SURVEY DATES	
		total	field checked	embayed	extensive	fringe	marsh island	total	Community Type <sup>1</sup> (acres)														
									I	II	III	IV	V	VI	VII	VIII <sup>2</sup>	IX	X	XI	XII	DNS <sup>**</sup>		
College Creek	0	44	29	43	0	0	0	43	0	0	0	0	0	0	8	0	0	0	12	0	24	0	7/11/2014
Queen Creek	0	3	0	26	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	26	DNS	DNS
Total	0	47	29	69	0	0	0	69	0	0	0	0	0	0	8	0	0	0	12	0	50		

\*\*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. City of Williamsburg, Virginia Shoreline Attributes - Shoreline Features - River System Summary 2014

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
College Creek	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Queen Creek	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\*Total = does not include detached marsh shoreline

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