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Summary Tables: 2017 Henrico County, Virginia Shoreline Inventory

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

| RIVER SYSTEM | TOTAL* MILES SURVEYED | AGRICULTURE | | | BARE | | | COMMERCIAL | | | FOREST | GOVERNMENT | | | GRASS | | | INDUSTRIAL | | | 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 | | | |
| Fourmile Creek | 6 | 0 | <1 | <1 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| James River | 61 | 1 | 10 | 11 | <1 | <1 | <1 | 1 | <1 | 1 | 40 | 0 | 0 | 0 | 2 | 2 | 4 | <1 | <1 | <1 | <1 | 0 | <1 | 2 | 2 | 4 | 0 | 0 | 0 | | | |
| Turkey Island Creek | 3 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Total | 70 | 1 | 11 | 12 | <1 | <1 | <1 | 1 | <1 | 1 | 48 | 0 | 0 | 0 | 2 | 2 | 4 | <1 | <1 | <1 | <1 | 0 | <1 | 2 | 3 | 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. Henrico 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 |
| Fourmile Creek | 6 | 0 | 0 | 6 | 6 | 0 | 0 |
| James River | 61 | <1 | 4 | 56 | 52 | 8 | <1 |
| Turkey Island Creek | 3 | 0 | <1 | 3 | 3 | 0 | 0 |
| Total | 70 | <1 | 4 | 65 | 62 | 8 | <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. Henrico 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 ^{**} |
| Fourmile Creek | 0 | 19 | 10 | 31 | <1 | 2 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 23 | 0 | 8 | 0 | June 4, 2012 |
| James River | 2 | 151 | 129 | 78 | 1 | 1 | 0 | 0 | 78 | 0 | 0 | 0 | 0 | 0 | 3 | <1 | 0 | 0 | 0 | 37 | 0 | 40 | 6 | June 4, 2012 |
| Turkey Island Creek | 0 | 7 | 5 | 33 | <1 | 2 | 0 | 0 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | <1 | 0 | 0 | 0 | 31 | 0 | 5 | 0 | June 4, 2012 |
| Total | 2 | 177 | 144 | 142 | 1 | 6 | 0 | 0 | 143 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 91 | 0 | 53 | | |

**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. Henrico 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 | >50 slips | wharfs | jetties | bulkhead | dilapidated bulkhead | debris | marsh toe revetment | riprap | unconventional | breakwater | groinfields | |
| Fourmile Creek | 6 | 2 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| James River | 61 | 34 | 0 | 7 | 7 | 5 | 3 | 0 | 0 | 0 | <1 | <1 | 0 | 0 | 1 | <1 | 0 | 0 | |
| Turkey Island Creek | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Total | 70 | 36 | 1 | 7 | 9 | 5 | 3 | 0 | 0 | 0 | <1 | <1 | 0 | 0 | 1 | <1 | 0 | 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.