2016

Summary Tables: Accomack County, Virginia Shoreline Inventory Report Methods and Guidelines

Marcia Berman
Virginia Institute of Marine Science

Karinna Nunez
Virginia Institute of Marine Science

Sharon Killeen
Virginia Institute of Marine Science

Tamia Rudnicky
Virginia Institute of Marine Science

Julie Bradshaw
Virginia Institute of Marine Science

See next page for additional authors

Recommended Citation

Berman, M., Nunez, K., Killeen, S., Rudnicky, T., Bradshaw, J., Angstadt, K., Tombleson, C., Duhring, K., Brown, K., Hendricks, J., Weiss, D., Hershner, C., & Comprehensive Coastal Inventory Program. (2016) Accomack County, Virginia Shoreline Inventory Report Methods and Guidelines. Special Report in Applied Marine Science and Ocean Engineering (SRAMSOE) No. 450. Virginia Institute of Marine Science, College of William and Mary. http://doi.org/10.21220/V58C79

Authors

Marcia Berman, Karinna Nunez, Sharon Killeen, Tamia Rudnicky, Julie Bradshaw, Kory Angstadt, Christine Tombleson, Karen Duhring, Kallie Brown, Jessica Hendricks, David Weiss, and Carl Hershner

Table 4. Accomack County, Virginia Shoreline Attributes - Riparian Land Use (miles) - River System Summary 2016

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	no tree buffer	tree fringe	total
Assawoman Inlet	24	3	8	11	0	0	0	<1	<1	<1	1	5	0	5	1	<1	1	0	0	0	2	<1	2	2	3	4	0	0	0	0	0	0
Burtons Bay	35	8	15	24	<1	0	<1	1	1	1	1	0	0	0	1	1	1	0	0	0	1	<1	1	5	2	6	1	0	1	0	0	0
Chesapeake Bay	27	3	3	6	0	0	0	0	0	0	8	0	0	0	<1	0	<1	0	0	0	1	0	1	4	<1	4	7	0	7	1	0	1
Chesconessex Creek	25	2	1	4	0	0	0	0	0	0	8	0	0	0	1	0	1	0	0	0	2	1	3	8	1	9	<1	0	<1	0	0	0
Chincoteague Bay	125	3	9	12	1	<1	2	6	3	9	12	13	1	13	7	4	11	0	0	0	11	<1	11	38	12	50	4	0	4	0	0	0
Craddock Creek	23	6	6	13	0	0	0	<1	0	<1	3	0	0	0	0	0	0	0	0	0	0	0	0	2	2	4	3	0	3	0	0	0
Deep Creek	21	2	7	9	0	0	0	<1	0	<1	4	0	0	0	<1	0	<1	0	0	0	<1	<1	<1	4	2	5	0	2	2	0	0	0
Gargathy Bay-Kegotank Bay	22	4	11	14	0	0	0	0	<1	<1	<1	0	0	0	1	<1	1	0	0	0	<1	0	<1	3	3	6	<1	<1	1	0	0	0
Machipongo River	52	6	12	19	0	0	0	0	<1	<1	17	0	0	0	<1	2	3	0	0	0	3	1	4	3	2	4	4	<1	4	0	<1	<1
Metompkin Inlet	53	7	22	28	0	0	0	0	0	0	2	0	0	0	3	1	4	0	0	0	<1	<1	1	8	8	16	2	0	2	0	0	0
Nandua Creek	40	7	10	17	0	0	0	<1	0	<1	6	0	0	0	1	<1	1	0	0	0	<1	<1	1	12	3	14	1	0	1	0	0	0
Occohannock Creek	23	1	5	6	0	0	0	<1	0	<1	3	0	0	0	<1	0	<1	0	0	0	<1	<1	<1	7	3	11	2	0	2	0	0	0
Onancock Creek	39	5	5	10	0	0	0	1	0	1	3	0	0	0	<1	<1	1	<1	0	<1	1	<1	1	17	5	22	<1	0	<1	0	0	0
Pocomoke River	51	15	21	36	<1	0	<1	<1	1	1	7	0	0	0	<1	<1	1	0	0	0	1	2	3	3	1	4	<1	0	<1	0	0	0
Pocomoke Sound	93	3	8	11	0	0	0	1	0	1	36	0	0	0	1	1	2	0	0	0	20	6	26	10	4	14	2	<1	3	0	0	0
Pungoteague Creek	38	5	9	14	0	0	0	<1	0	<1	4	0	0	0	2	<1	3	0	0	0	1	<1	1	12	4	16	1	<1	1	0	0	0
Tangier Sound	9	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	<1	0	<1	5	0	5	1	0	1	0	0	0
Upshur Bay	11	<1	5	5	0	0	0	1	<1	1	1	0	0	0	1	<1	1	0	0	0	0	0	0	2	<1	3	1	0	1	0	0	0
Total	709	81	156	237	2	<1	2	14	4	18	117	18	1	19	19	11	30	<1	0	<1	43	11	54	145	53	198	31	2	33	1	<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

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

Table 5. Accomack County, Virginia Shoreline Attributes - Riparian Bank Condition - River System Summary 2016

RIVER SYSTEM	TOTAL* MILES SURVEYED	BANK COVER (miles)			BANK HEIGHT (miles)		
		bare	partial	total	0-5 feet	5-30 feet	>30 feet
Assawoman Inlet	24	0	0	24	24	0	0
Burtons Bay	35	0	0	35	35	0	0
Chesapeake Bay	27	0	<1	27	27	0	0
Chesconessex Creek	25	0	0	25	25	0	0
Chincoteague Bay	126	0	<1	125	125	0	0
Craddock Creek	23	<1	1	22	23	0	0
Deep Creek	21	0	0	21	21	0	0
Gargathy Bay-Kegotank Bay	22	0	0	22	22	0	0
Machipongo River	52	0	0	52	52	0	0
Metompkin Inlet	53	0	0	53	53	0	0
Nandua Creek	40	<1	1	39	40	<1	0
Occohannock Creek	23	<1	1	22	22	1	0
Onancock Creek	39	0	1	37	38	<1	0
Pocomoke River	51	0	0	51	51	0	0
Pocomoke Sound	93	<1	2	91	93	0	0
Pungoteague Creek	38	<1	1	37	38	0	0
Tangier Sound	9	0	0	9	9	0	0
Upshur Bay	11	0	0	11	11	0	0
Total	709	1	7	701	708	1	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

Table 6. Accomack County, Virginia Shoreline Attributes - Natural Buffers, *Phragmites australis* and Marsh Survey Dates - River System Summary 2016

RIVER SYSTEM	BEACH (miles)	# Wetland Polygons		MARSH																			PHRAGMITES[3] (percent of field checked marshes)	MARSH SURVEY DATES
				Marsh Type (acres)						Community Type[1] (acres)														
		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**		
Assawoman Inlet	3	96	0	2749	0	4	0	0	2749	0	0	0	0	0	0	0	0	0	0	0	0	2749	DNS	DNS
Burtons Bay	10	308	5	5167	4042	53	2	4	9209	367	0	0	0	0	0	0	0	0	0	0	0	8842	0	June 6-7, 2016
Chesapeake Bay	6	113	17	1681	0	33	7	0	1681	8	0	194	0	0	0	0	0	0	0	0	7	1471	29	June 7, 2016
Chesconessex Creek	2	148	51	1749	0	37	1	0	1749	22	0	157	0	0	0	0	<1	0	0	0	9	1560	20	June 9, 2016
Chincoteague Bay	28	774	237	10934	25	117	19	11	10960	1308	0	0	0	0	0	0	43	0	0	0	29	9580	37	May 31, & June 1-2, 2016
Craddock Creek	1	147	0	71	0	6	<1	0	71	0	0	0	0	0	0	0	0	0	0	0	0	71	DNS	DNS
Deep Creek	<1	77	28	1495	0	14	0	0	1495	62	0	20	0	0	0	0	0	0	0	0	77	1336	75	June 9, 2016
Gargathy Bay-Kegotank Bay	4	106	27	2409	0	<1	1	0	2409	1152	0	0	0	0	0	0	0	0	0	0	0	1257	26	June 9, 2016
Machipongo River	0	366	0	2358	86	44	3	1	2444	0	0	0	0	0	0	0	0	0	0	0	0	2444	DNS	DNS
Metompkin Inlet	8	395	31	4677	163	4	1	0	4841	1039	0	0	0	0	0	0	0	0	0	0	0	3802	32	June 8, 2016
Nandua Creek	1	278	186	441	<1	7	0	0	441	29	1	112	0	0	0	0	1	0	0	0	28	271	10	June 7, 2016
Occohannock Creek	1	176	132	116	0	<1	0	0	116	45	<1	6	0	0	0	0	2	0	0	0	18	45	14	June 6, 2016
Onancock Creek	1	294	217	483	0	8	2	0	483	17	0	47	0	0	0	0	6	0	0	0	35	378	22	June 8, 2016
Pocomoke River	0	120	37	2103	2	58	0	0	2105	0	0	0	0	180	1	0	17	0	0	122	4	1781	70	June 2, 2016
Pocomoke Sound	6	285	55	12633	0	225	3	0	12633	640	0	389	0	0	0	0	17	0	0	0	2293	9293	65	June 2 & 9, 2016
Pungoteague Creek	1	195	146	234	<1	1	<1	0	234	26	<1	6	0	0	0	0	0	0	0	0	56	146	20	June 6-7, 2016
Tangier Sound	8	174	0	81	1269	<1	12	3	1350	0	0	0	0	0	0	0	0	0	0	0	0	1350	DNS	DNS
Upshur Bay	4	255	0	3737	4434	32	3	3	8171	0	0	0	0	0	0	0	0	0	0	0	0	8171	DNS	DNS
Total	84	4307	1169	53118	10022	642	52	23	63140	4716	1	931	0	180	1	0	86	0	0	122	2556	54547		

**DNS = Did Not Survey

[1]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

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

[3]Phragmites - percent of field checked marshes where *Phragmites australis* is present in any amount.

Table 7. Accomack County, Virginia Shoreline Attributes - Shoreline Features - River System Summary 2016

RIVER SYSTEM	TOTAL* MILES SURVEYED	Number									Miles							
		docks	dilapidated docks	boathouses	ramps private	ramps public	marinas <50 slips	marinas >50 slips	wharfs	jetties	bulkhead	dilapidated bulkhead	debris	marsh toe revetment	riprap	unconventional	breakwater	groinfields
Assawoman Inlet	24	21	2	1	3	0	0	0	0	0	<1	<1	0	<1	1	1	0	0
Burtons Bay	35	15	8	1	8	0	2	1	0	1	<1	<1	<1	0	0	<1	0	0
Chesapeake Bay	27	15	1	0	1	0	0	0	0	0	<1	<1	0	0	0	0	0	0
Chesconessex Creek	25	110	12	0	2	1	0	0	0	0	2	0	0	<1	<1	0	<1	0
Chincoteague Bay	125	558	22	4	31	4	8	8	8	19	16	<1	<1	<1	4	<1	1	<1
Craddock Creek	23	22	2	0	1	0	0	0	0	0	<1	<1	<1	0	<1	0	0	0
Deep Creek	21	23	0	0	4	0	1	0	0	0	<1	0	0	<1	<1	<1	0	0
Gargathy Bay-Kegotank Bay	22	41	0	1	3	0	1	0	0	3	<1	0	0	0	0	<1	0	0
Machipongo River	52	17	6	1	2	1	0	0	0	2	<1	0	0	0	1	<1	0	<1
Metompkin Inlet	53	97	2	2	6	2	0	0	0	5	<1	0	0	0	0	<1	0	0
Nandua Creek	40	122	9	2	15	0	0	0	0	5	1	<1	<1	<1	1	<1	<1	<1
Occohannock Creek	23	82	9	3	2	0	1	0	0	0	<1	<1	<1	<1	1	0	0	<1
Onancock Creek	39	207	6	8	14	1	5	0	1	3	3	<1	<1	<1	2	<1	0	<1
Pocomoke River	51	12	0	0	4	1	0	0	0	1	<1	0	0	0	<1	0	0	0
Pocomoke Sound	93	48	3	3	7	6	0	1	0	3	1	<1	<1	<1	1	0	<1	<1
Pungoteague Creek	38	142	9	1	7	1	2	0	0	0	1	0	<1	<1	<1	<1	<1	0
Tangier Sound	9	126	3	0	3	0	1	1	1	3	<1	<1	0	1	<1	0	<1	0
Upshur Bay	11	4	1	0	1	0	0	1	0	0	<1	0	0	0	<1	<1	0	0
Total	709	1662	95	27	114	17	21	12	10	45	27	1	1	2	11	2	2	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.