

---

Reports

---

2008

## Summary Tables: New Kent County, Virginia Shoreline Inventory Report

Marcia Berman  
*Virginia Institute of Marine Science*

Harry Berquist  
*Virginia Institute of Marine Science*

Sharon Killeen  
*Virginia Institute of Marine Science*

Tamia Rudnicky  
*Virginia Institute of Marine Science*

Daniel E. Schatt  
*Virginia Institute of Marine Science*

*See next page for additional authors*

Follow this and additional works at: <https://scholarworks.wm.edu/reports>



Part of the [Environmental Indicators and Impact Assessment Commons](#), [Natural Resources Management and Policy Commons](#), and the [Water Resource Management Commons](#)

---

### Recommended Citation

Berman, M.R., Berquist, H., Killeen, S., Nunez, K., Rudnicky, T., Schatt, D.E., Weiss, D., and K. Reay, 2008. New Kent County, Virginia - Shoreline Inventory Report, Comprehensive Coastal Inventory Program, Virginia Institute of Marine Science, College of William and Mary, Gloucester Point, Virginia, 23062.

This Report is brought to you for free and open access by W&M ScholarWorks. It has been accepted for inclusion in Reports by an authorized administrator of W&M ScholarWorks. For more information, please contact [scholarworks@wm.edu](mailto:scholarworks@wm.edu).

---

**Authors**

Marcia Berman, Harry Berquist, Sharon Killeen, Tamia Rudnicki, Daniel E. Schatt, David Weiss, and Karen Reay

Table 4. New Kent County, Virginia Shoreline Attributes - Riparian Land Use and Bank and Buffer Conditions - Plate Summary

PLATE NUMBER	TOTAL MILES SURVEYED	RIPARIAN LAND USE (miles)									BANK (bank height and erosion status - miles of shore)												BANK COVER* (miles)			NATURAL BUFFER (miles)				
		agriculture	bare	commercial	forest	grass	industrial	paved	residential	scrub-shrub	0-5 ft			5-10 ft			10-30 ft			>30 ft			bare	partial	full	beach	marsh			
											low	high	undercut	low	high	undercut	low	high	undercut	low	high	undercut								
1	1.15	0.00	0.00	0.00	0.67	0.00	0.00	0.00	0.00	0.48	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15
2	3.66	0.00	0.00	0.00	3.30	0.00	0.00	0.14	0.03	0.18	3.31	0.00	0.00	0.18	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	3.13	
3	6.56	0.45	0.00	0.00	2.40	0.00	0.00	0.06	1.19	2.46	4.64	0.00	0.00	0.12	0.00	0.00	1.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.34	1.14	5.72		
4	6.29	0.02	0.00	0.00	0.54	0.00	0.00	0.23	0.15	5.35	6.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.26	0.00	6.29		
5	4.43	0.60	0.03	0.00	2.40	0.12	0.00	0.00	0.27	1.00	3.37	0.04	0.00	0.75	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.86	3.27	0.01	3.12			
6	6.41	0.00	0.00	0.00	0.37	0.00	0.00	0.00	0.00	6.03	6.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.41	0.00	6.26			
7	3.20	1.25	0.00	0.00	0.34	0.00	0.00	0.00	0.18	1.43	1.99	0.00	0.00	1.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	2.81	0.00	1.68			
8	2.85	0.08	0.00	0.00	1.27	0.00	0.00	0.00	0.02	1.47	2.73	0.00	0.00	0.09	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.85	0.00	2.64			
9	4.40	0.45	0.00	0.00	3.61	0.03	0.00	0.00	0.30	0.00	1.69	0.00	0.00	1.01	0.00	0.00	0.99	0.10	0.00	0.56	0.04	0.00	0.43	0.99	2.98	0.01	0.65			
10	7.65	0.00	0.00	0.00	7.65	0.00	0.00	0.00	0.00	0.00	7.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.65	0.00	7.65			
11	3.20	0.15	0.00	0.00	2.40	0.00	0.00	0.00	0.23	0.41	2.73	0.00	0.00	0.13	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.20	0.00	2.73			
12	3.33	0.77	0.00	0.00	1.64	0.29	0.00	0.01	0.62	0.00	2.06	0.00	0.00	0.13	0.00	0.00	1.14	0.00	0.00	0.00	0.00	0.00	0.00	0.07	3.26	0.34	0.88			
13	3.81	0.15	0.00	0.00	3.38	0.04	0.00	0.00	0.03	0.20	2.99	0.00	0.54	0.19	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.33	3.48	0.20	2.45			
14	3.63	0.21	0.02	0.00	2.12	0.16	0.00	0.00	0.59	0.53	2.14	0.00	0.89	0.20	0.00	0.00	0.35	0.05	0.00	0.00	0.00	0.00	0.05	1.51	2.07	0.22	1.56			
15	0.91	0.29	0.00	0.00	0.45	0.04	0.00	0.00	0.09	0.05	0.25	0.00	0.11	0.43	0.03	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.03	0.29	0.59	0.19	0.02			
16	13.13	0.00	0.00	0.33	8.19	0.00	0.00	0.00	3.51	1.10	11.38	0.05	0.00	0.72	0.00	0.00	0.38	0.00	0.00	0.57	0.03	0.00	0.00	0.05	13.08	0.04	6.46			
17	12.32	0.00	0.00	0.07	8.99	0.20	0.00	0.00	3.06	0.00	11.57	0.00	0.00	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.32	0.00	9.56			
Total	85.12	4.41	0.06	0.40	48.57	0.84	0.00	0.38	10.00	20.47	71.05	0.09	1.35	5.68	0.45	0.00	4.74	0.56	0.00	1.13	0.07	0.00	0.81	4.28	70.25	2.69	60.89			

\* Bank Cover was not surveyed in 1998 (plates 1-3). Miles of shoreline without bank cover information: 8.94.

Table 5. New Kent County, Virginia Shoreline Attributes - Shoreline Features - Plate Summary

PLATE NUMBER	TOTAL MILES SURVEYED	SHORELINE FEATURES																
		No. docks	No. dilapidated docks	No. boathouses	No. ramps		No. outfalls	No. groinfields	No. marinas		No. jetties	No. breakwater	Miles of unconventional	Miles of bulkhead	Miles of dilapidated bulkhead	Miles of riprap	Miles of wharf	
1	1.15	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
2	3.66	0	0	2	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
3	6.56	7	2	8	1	0	0	1	0	0	0	0	0	0.03	0.03	0.00	0.14	0.00
4	6.29	2	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
5	4.43	5	1	2	2	0	0	0	0	0	0	0	0	0.00	0.03	0.00	0.00	0.04
6	6.41	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
7	3.20	6	0	0	2	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.08	0.00
8	2.85	1	0	0	1	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
9	4.40	5	1	3	3	0	0	0	0	0	0	0	0	0.00	0.04	0.00	0.05	0.00
10	7.65	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
11	3.20	2	3	1	2	0	0	1	0	0	0	0	0	0.01	0.07	0.00	0.07	0.00
12	3.33	7	5	9	5	0	1	0	0	0	0	0	0	0.01	0.17	0.04	0.11	0.00
13	3.81	1	0	2	2	0	0	2	0	0	0	0	0	0.00	0.17	0.00	0.00	0.00
14	3.63	7	5	2	2	2	0	2	0	0	0	0	0	0.00	0.09	0.00	0.00	0.00
15	0.91	1	0	0	1	0	0	0	0	0	0	0	0	0.01	0.01	0.03	0.00	0.00
16	13.13	34	0	54	5	0	2	0	0	1	0	0	0	0.00	1.39	0.00	0.52	0.00
17	12.32	39	0	18	3	0	0	0	1	0	0	0	0	0.02	0.33	0.00	0.13	0.00
Total	85.12	104	16	86	25	2	3	4	1	1	0	0	0	0.07	2.26	0.07	1.02	0.04

Table 6. New Kent County, Virginia Shoreline Attributes - *Phragmites australis* and Survey Dates.

PLATE NUMBER	TOTAL MILES SURVEYED	MILES REMOTELY SURVEYED	FIELD SURVEY DATES	PHRAGMITES* (miles)	PLATE NUMBER	TOTAL MILES SURVEYED	MILES REMOTELY SURVEYED	FIELD SURVEY DATES	PHRAGMITES (miles)	PLATE NUMBER	TOTAL MILES SURVEYED	MILES REMOTELY SURVEYED	FIELD SURVEY DATES	PHRAGMITES (miles)
1	1.15	0.00	11/13/1998	0.00	7	3.20	0.00	6/16/2005	0.04	13	3.81	0.00	6/23/2005	0.00
2	3.66	0.00	11/13/1998	0.00	8	2.85	0.00	6/16/2005	0.22	14	3.63	0.00	6/23/2005	0.00
3	6.56	1.80	11/13/1998, 6/16/2005	0.23	9	4.40	0.00	6/16/2005	0.00	15	0.91	0.00	6/23/2005	0.00
4	6.29	0.00	6/16/2005	0.69	10	7.65	0.00	6/16/2005	0.00	16	13.13	3.02	10/27/2008	0.00
5	4.43	0.00	6/16/2005	0.76	11	3.20	0.00	6/16/2005	0.00	17	12.32	0.00	10/27/2008	0.00
6	6.41	0.00	6/16/2005	1.22	12	3.33	0.00	6/16/2005, 6/23/2005	0.00					

\* *Phragmites australis* was not surveyed in 1998 (plates 1, 2, and part of 3).

Total miles *Phragmites australis*: 3.00

Total Miles Remotely Surveyed: 4.82

Total Shoreline Miles Surveyed: 85.12