

Reports

8-2007

Summary Tables: Lynnhaven River Virginia Beach, 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

Karina Nunez
Virginia Institute of Marine Science

Tamia Rudnický
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., Rudnický, T., Schatt, D.E., Reay, K. and D. Weiss, 2007. Lynnhaven River, Virginia Shoreline Inventory Report, Comprehensive Coastal Inventory Program, Center for Coastal Resources Management 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.

Authors

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

Table 4. Lynnhaven Bay, Virginia Shoreline Attributes - Riparian Land Use and Bank and Buffer Conditions

PLATE NUMBER	TOTAL MILES SURVEYED	Riparian Land Use									BANK												BANK COVER			BUFFER CONDITION				
											(bank height and erosion status - miles of shore)												(miles)			TREE FRINGE	BEACH PRESENT	MARSH PRESENT		
											0-5 ft			5-10 ft			10-30 ft			>30 ft			bare	partial	full	(miles)	(miles)	(miles)		
low	high	undercut	low	high	undercut	low	high	undercut	low	high	undercut	low	high	undercut	bare	partial	full	(miles)	(miles)	embayed	extensive	fringe								
1	20.81	0.00	0.08	0.36	2.79	2.50	0.21	11.10	3.75	0.00	13.10	0.20	0.00	6.28	0.41	0.00	0.82	0.00	0.00	0.00	0.00	0.00	0.36	0.22	20.24	5.89	0.83	0.21	0.57	13.56
2	27.49	0.00	0.00	0.00	4.97	0.98	0.08	20.30	1.16	0.00	16.25	0.24	0.00	9.12	0.33	0.00	1.52	0.04	0.00	0.00	0.00	0.00	0.27	0.28	26.94	9.13	0.19	0.39	0.00	17.40
3	16.19	0.00	0.00	0.26	1.34	0.43	0.25	13.12	0.79	0.00	10.80	0.15	0.00	4.56	0.14	0.00	0.53	0.00	0.00	0.00	0.00	0.00	0.19	0.03	15.97	5.10	0.00	0.31	1.11	10.57
4	23.86	0.00	0.00	0.00	4.62	1.13	0.18	15.02	2.90	0.00	14.42	0.19	0.01	8.55	0.22	0.06	0.44	0.00	0.00	0.00	0.00	0.00	0.40	0.18	18.62	8.37	0.29	0.17	0.31	18.42
5	24.96	0.00	0.00	0.00	1.28	0.40	0.12	22.12	1.03	0.00	20.86	0.08	0.00	3.98	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.69	17.89	0.05	1.16	0.83	18.62
6	13.88	0.00	0.00	0.36	0.32	0.05	0.12	12.58	0.45	0.00	12.01	0.40	0.00	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.42	11.20	0.00	0.67	0.56	6.19
Total*	112.60	0.00	0.08	0.98	13.86	5.06	0.86	82.83	8.93	0.00	76.59	1.20	0.01	30.71	1.03	0.06	3.06	0.04	0.01	0.00	0.00	0.00	1.20	0.68	92.51	51.29	1.22	2.72	2.94	75.35

* Total Shoreline Miles: 139.42

Table 5. Lynnhaven Bay, Virginia Shoreline Attributes - Shoreline Features

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 debris	Miles of unconventional	Miles of bulkhead	Miles of dilapidated bulkhead	Miles of riprap	Miles of marsh toe	Miles of wharf
1	20.81	153	7	28	16	2	15	0	2	0	1	0	0.07	0.23	4.01	0.19	1.34	0.01	0.20
2	27.49	307	14	26	14	0	21	0	0	0	0	0	0.22	0.20	6.78	0.56	2.10	0.01	0.00
3	16.19	188	10	18	19	0	14	0	0	0	0	0	0.17	0.14	2.20	0.23	1.57	0.03	0.00
4	23.86	211	4	31	8	0	7	1	0	0	2	1	0.18	0.47	2.58	0.24	2.48	0.00	0.00
5	24.96	224	7	24	9	0	11	0	0	0	0	0	0.06	0.34	3.42	0.27	2.53	0.00	0.00
6	13.88	125	2	7	5	0	5	0	0	0	0	0	0	0.29	2.71	0.33	2.19	0.00	0.00
Total*	112.60	1069	42	113	57	2	61	1	2	0	3	1	0.58	1.47	18.70	1.53	10.30	0.05	0.20

* Total Shoreline Miles: 139.42

Table 6. Lynnhaven Bay, Virginia Shoreline Attributes 2006 - *Phragmites australis* and Survey Dates.

PLATE NUMBER	TOTAL MILES SURVEYED	MILES REMOTELY SURVEYED	FIELD SURVEY DATES	PHRAGMITES (miles)
1	20.81	0.79	9/12,21/06, 10/16,30/06, 11/07/06, 5/17/07	0.68
2	27.49	0.68	9/21,22/06, 10/16/06, 11/07/06, 5/17/07	1.88
3	16.19	0.00	9/22/06, 10/16/06, 5/17/07	1.53
4	23.86	0.00	10/30/06, 11/07/05, 5/31/07	0.61
5	24.96	0.00	10/30/06, 11/07,09/06, 5/31/07, 6/01/07	1.40
6	13.88	0.00	11/09/06, 6/01/07	1.19

Total miles of *Phragmites australis*: 6.57
 Total Miles Remotely Surveyed: 1.47
 Total Shoreline Miles: 139.42