

Table 1: Area of Land within 3.3 feet (1 meter) above Spring High Water by Likelihood of Shore Protection: Virginia (square miles)

Locality	Likelihood of Shore Protection				Nontidal Wetlands	Total ¹	Elevation Error ² (inches)	Tidal Wetlands ³
	Almost Certain	Likely	Unlikely	No Protection				
Eastern Shore	5.4	7.3	11.9	7.5	13.2	46.1		365.1
Accomack	4.7	4.8	9.0	3.5	12.4	35.0	16	186.7
Northampton	0.6	2.5	2.9	4.1	0.8	11.1	16	178.4
Northern Virginia	1.2	0.3	0.4	0.2	0.2	2.3		4.0
Arlington	0.1	0.0	0.0	0.0	0.0	0.1	26	0.0
Alexandria	0.2	0.0	0.1	0.0	0.0	0.3	26	0.1
Fairfax	0.6	0.2	0.3	0.0	0.1	1.2	26	1.9
Prince William	0.3	0.1	0.1	0.2	0.1	0.6	26	2.0
Rappahannock Area	0.9	0.9	0.7	0.1	0.6	3.3		10.3
Stafford	0.4	0.2	0.2	0.0	0.3	1.1	26	2.6
Fredericksburg	0.0	0.0	0.0	0.0	0.0	0.0	25	0.0
King George	0.5	0.6	0.3	0.1	0.3	1.8	28	5.2
Spotsylvania	0.0	0.0	0.0	0.0	0.0	0.1	26	0.0
Caroline	0.0	0.0	0.2	0.0	0.0	0.3	26	2.4
Northern Neck	5.6	2.7	3.3	0.4	1.4	13.9		22.1
Westmoreland	0.7	0.5	1.3	0.0	0.3	3.0	28	5.5
Richmond	0.6	0.3	1.5	0.2	0.5	3.1	28	8.4
Northumberland	1.7	1.1	0.3	0.0	0.3	3.6	28	4.4
Lancaster	2.6	0.8	0.3	0.2	0.3	4.3	26	3.8
Middle Peninsula	4.7	8.7	10.4	0.0	7.0	31.3		63.5
Essex	0.2	0.4	1.6	0.0	0.4	2.6	26	10.7
King and Queen	0.0	0.4	1.2	0.0	0.5	2.1	26	8.3
King William	0.1	0.1	0.6	0.0	0.2	1.1	26	13.5
Middlesex	0.6	0.5	0.7	0.0	0.4	2.3	24	3.7
Gloucester	1.6	4.4	2.9	0.0	3.2	12.4	17	16.8
Mathews	2.2	2.8	3.4	0.0	2.2	10.8	16	10.5
Hampton Roads	31.1	8.4	13.7	0.5	31.7	86.3		127.6
James City	1.2	0.2	0.7	0.0	0.4	2.6	26	12.7
York	2.6	0.8	0.1	0.1	0.6	4.2	17	6.6
Newport News	1.4	2.1	0.0	0.0	0.2	3.7	16	5.8
Poquoson	2.5	0.0	0.0	0.0	0.1	2.6	16	9.1
Hampton	2.7	1.3	0.0	0.0	0.1	4.2	16	5.5
Surry	0.1	0.1	0.5	0.2	0.4	1.2	26	4.4
Isle of Wight	1.0	0.4	0.4	0.1	0.7	2.6	26	11.2
Norfolk	4.0	0.0	0.0	0.0	0.2	4.2	16	1.8
Virginia Beach	6.8	1.1	11.0	0.0	7.9	26.9	16	43.4
Suffolk	1.5	0.7	0.3	0.0	1.1	3.6	22	10.2
Portsmouth	2.3	0.1	0.0	0.0	3.4	5.9	16	1.4
Chesapeake	5.1	1.6	0.8	0.0	9.6	17.0	16	15.3
Franklin City	0.0	0.0	0.0	0.0	0.5	0.6	16	0.0
Southampton	0.0	0.0	0.0	0.0	6.5	7.1	16	0.0
Williamsburg	0.0	0.0	0.0	0.0	0.01	0.04	26	0.2
Virginia	48.8	28.3	40.3	8.8	54.1	183.2		592.6

1. Total Land includes the five categories listed plus land for which no data were available.
2. This table is based on the area of map polygons within 3.3 feet (1 meter) above the tides. Although the area of the polygons can be tabulated very precisely, the 3.3 ft (1 m) elevation estimate is subject to the accuracy limits of the underlying elevation data. The elevation error column displays the accuracy limits (root mean square error) of the data used to identify the 1-m elevation contour.
3. Includes mudflats. See Table B-2 in Appendix B for details.

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