

Table 1 Low and high estimates for the area of dry and wet land close to sea level Chesapeake Bay, Middle Peninsula and Northern Neck Areas, Virginia (square kilometers).

	Tidal	50 cm		1 meter		2 meters		3 meters		5 meters	
		Low	High	Low	High	Low	High	Low	High	Low	High
Locality	Cumulative (total) amount of Dry Land below a given elevation										
Gloucester		4.1	16.0	13.2	32.9	40.5	66.9	66.9	84.2	96.4	110.8
Mathews		4.7	14.8	13.4	33.1	43.9	73.1	78.6	96.8	114.7	120.7
Middlesex		0.2	3.4	2.0	6.8	7.3	14.4	13.1	22.8	28.1	38.9
King William		0.0	1.6	0.9	3.2	3.1	8.4	5.4	17.7	22.7	36.1
King and Queen		0.0	2.9	1.7	5.7	5.5	11.9	9.6	19.0	22.7	32.9
Essex		0.0	3.8	2.0	7.3	7.1	15.5	12.3	27.9	34.2	52.8
Lancaster		0.1	7.0	3.6	13.8	13.8	28.0	24.0	41.5	48.4	67.9
Northumberland		0.0	5.9	2.8	11.5	11.0	24.1	19.2	63.8	84.5	140.9
Richmond		0.0	4.6	2.4	8.9	8.7	18.5	15.0	31.6	38.2	56.5
Caroline		0.0	0.4	0.3	0.9	0.9	1.8	1.5	2.8	3.4	5.2
Spotsylvania		0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.5	0.5	0.8
Fredericksburg		0.0	0.1	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.5
Total		9.2	60.5	42.4	124.2	142.1	263.2	246.0	409.0	494.2	664.0
	Cumulative (total) amount of wetlands below a given elevation										
Gloucester	43.5	1.4	5.5	4.5	11.9	14.7	24.8	24.6	30.8	34.4	38.5
Mathews	27.0	1.2	3.8	3.5	8.6	11.4	19.0	21.6	33.6	48.1	55.1
Middlesex	9.7	0.0	0.7	0.4	1.4	1.4	2.8	2.4	3.5	3.8	4.8
King William	35.6	0.0	0.4	0.2	0.7	0.7	1.4	1.2	2.0	2.3	3.3
King and Queen	21.6	0.0	0.9	0.5	1.7	1.6	3.1	2.8	4.0	4.4	5.8
Essex	27.5	0.0	0.8	0.4	1.5	1.5	2.9	2.5	3.9	4.4	5.9
Lancaster	9.8	0.0	0.5	0.3	1.1	1.1	2.1	1.8	2.8	3.2	4.2
Northumberland	11.4	0.0	0.5	0.3	1.1	1.0	2.2	1.8	5.1	6.6	10.8
Richmond	21.7	0.0	0.9	0.4	1.7	1.6	3.3	2.8	4.5	5.1	6.9
Caroline	6.3	0.0	0.1	0.0	0.1	0.1	0.3	0.2	0.7	0.9	1.5
Spotsylvania	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Fredericksburg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	214.3	2.6	14.1	10.5	29.7	35.1	62.0	61.7	90.9	113.5	136.9
Dry and Nontidal wetland		12	75	53	154	177	325	308	500	608	801
All Land	214	226	289	267	368	392	539	522	714	822	1015
Source: Climate Change Science Program (2008). Coastal Sensitivity to Sea Level Rise. Expert. Review Draft. Washington, D.C. United States Global Change Research Program. The low and high estimates are based on the on the contour interval and/or stated root mean square error (RMSE) of the data used to calculate elevations and an assumed standard error of 30 cm in the estimation of spring high water.											

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