

CHAMP CBP Updates

May 18, 2017

Site	Background RSL rate (mm/yr)	Background 1995-2025 RSL Estimate (mm)	1995-2025 GMSL rate (mm/yr)	1995-2025 SLR Estimate (cm)
BALTIMORE	1.4	42.0	3.0	13.2
LEWES	1.7	51.9	3.0	14.2
ANNAPOLIS	1.7	49.8	3.0	14.0
WASHINGTON DC	1.4	40.5	3.0	13.1
PORTSMOUTH	2.3	68.4	3.0	15.8
SOLOMON'S ISLAND	1.9	57.0	3.0	14.7
GLOUCESTER POINT	2.0	61.2	3.0	15.1
KIPTOPEKE BEACH	1.8	53.1	3.0	14.3
CAMBRIDGE II	1.7	52.2	3.0	14.2
CHESAPEAKE BAY BR. TUN.	2.2	67.2	3.0	15.7
SEWELLS POINT	2.5	74.4	3.0	16.4

Sweet, William V., et al. "Global and regional sea level rise scenarios for the United States." (2017).

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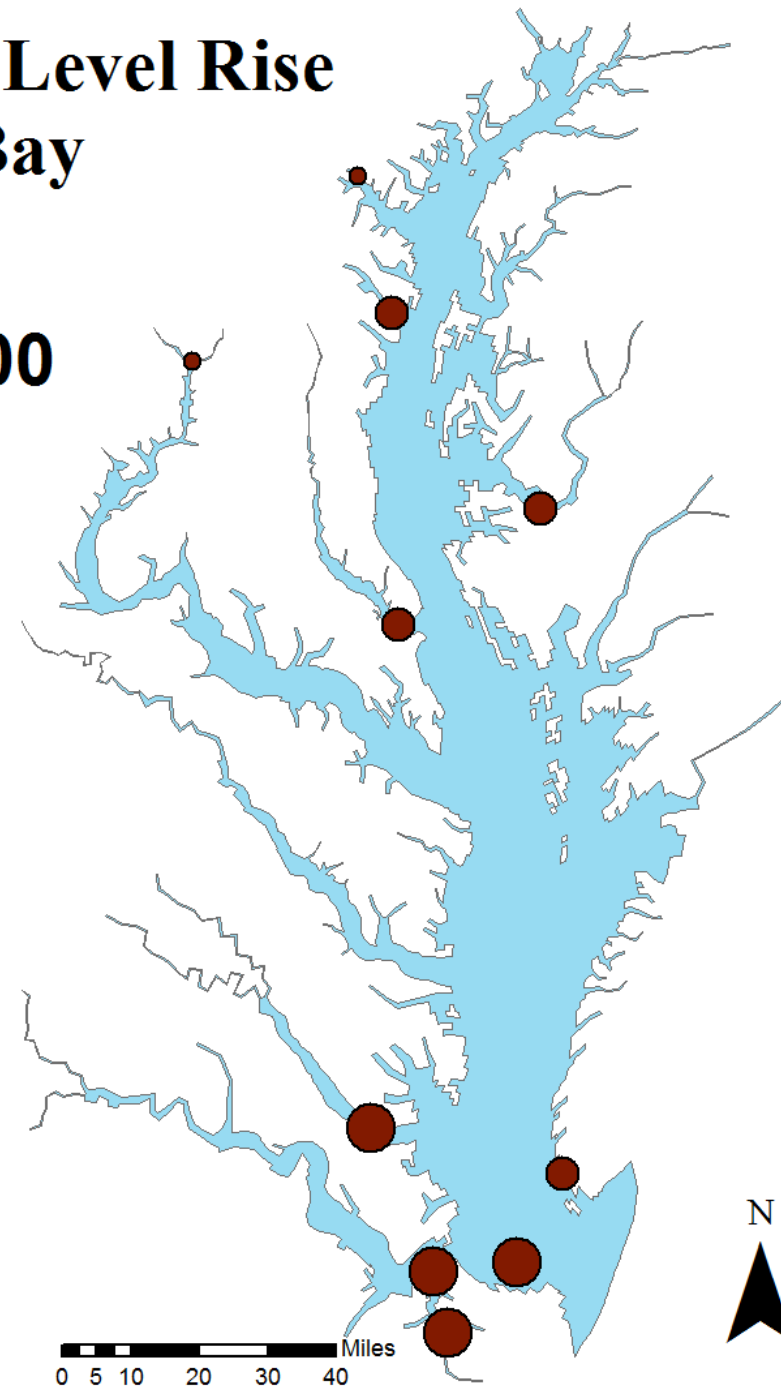
2025 Estimates of Total Sea Level Rise in the Chesapeake Bay

GMSL Scenario: 1 m in 2100

Median Estimate (cm)

- 27
- 28
- 29 - 30

Coordinate System: NAD 1983 UTM Zone 18N
Projection: Transverse Mercator
Datum: North American 1983
False Easting: 500,000.0000
False Northing: 0.0000
Central Meridian: -75.0000
Scale Factor: 0.9996
Latitude Of Origin: 0.0000
Units: Meter



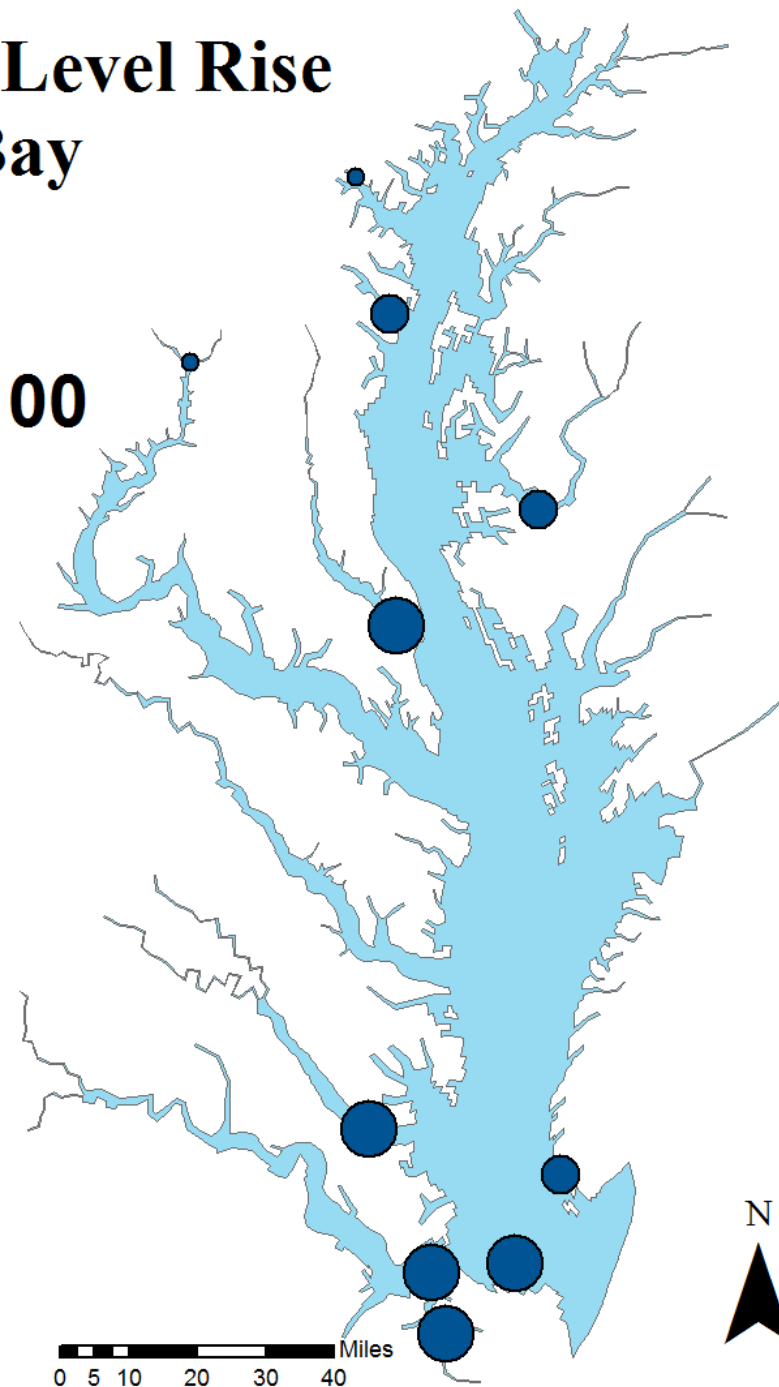
2025 Estimates of Total Sea Level Rise in the Chesapeake Bay

GMSL Scenario: 0.3 m in 2100

Median Estimate (cm)

- 15
- 16
- 17 - 18

Coordinate System: NAD 1983 UTM Zone 18N
Projection: Transverse Mercator
Datum: North American 1983
False Easting: 500,000.0000
False Northing: 0.0000
Central Meridian: -75.0000
Scale Factor: 0.9996
Latitude Of Origin: 0.0000
Units: Meter



2025 Estimates of Total Sea Level Rise in the Chesapeake Bay

GMSL Scenario: Low

Median Estimates (cm)

1995 - 2025

- 13 - 14
- 14 - 15
- 15 - 16.5

Average SLR Estimate:
14.7 cm

Coordinate System: NAD 1983 UTM Zone 18N
Projection: Transverse Mercator
Datum: North American 1983
False Easting: 500,000.0000
False Northing: 0.0000
Central Meridian: -75.0000
Scale Factor: 0.9996
Latitude Of Origin: 0.0000
Units: Meter

