

CHESAPEAKE BAY  
EARTH SCIENCE ATLAS NO. 4

MAP 4-1

SAMPLING LOCATIONS

BY  
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SULFUR CONTENT

BY  
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STATE OF MARYLAND  
DEPARTMENT OF NATURAL RESOURCES  
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KENNETH N. WEAVER, Director

EXPLANATION

SAMPLE LOCATION ○  
SULFUR VALUE % DRY WEIGHT  
CONTOUR INTERVAL 0.3%

EXPLANATION

The depth and distribution of sulfur content is based on a uniform grid for purposes of interpolation. The grid consists of sampling stations spaced at 1/2 mile intervals. The grid covers the entire sampling system (Cuthbertson, 1978). The grid is based on the National Tides and Currents Chart (NO 1136) and the National Oceanic and Atmospheric Administration's (NOAA) Hydrographic Chart 12226. The grid covers the entire sampling system from a north-south line through the center of the bay to a west-east line through the center of the bay. The grid covers the entire sampling system from a north-south line through the center of the bay to a west-east line through the center of the bay. The grid covers the entire sampling system from a north-south line through the center of the bay to a west-east line through the center of the bay.

SULFUR CONTENT

Chemical reactions according to the Chesapeake Bay estuary depend upon the availability of sulfur. In addition, the concentration of this element can serve as a pollution level indicator within the location of large and small potential for high concentrations of heavy metals and other polluting substances. In the eastern estuary covering about two-thirds of the bay, sediment sulfur is high and sulfur content is high. In the western estuary, sulfur content is low and sulfur content is low. In the western estuary, sulfur content is low and sulfur content is low. In the western estuary, sulfur content is low and sulfur content is low.

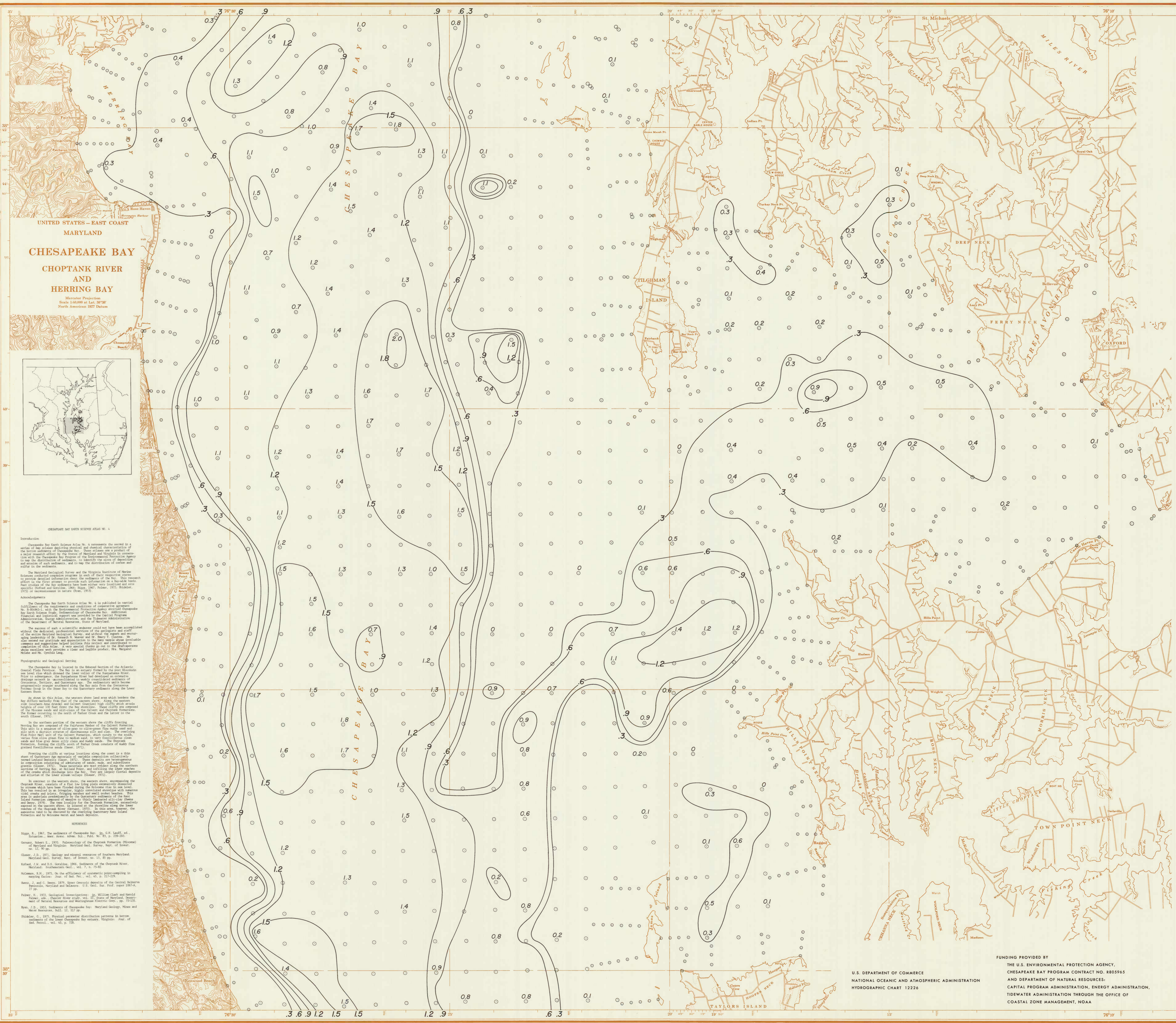
DISTRIBUTION

Areas of high sulfur content occur in the western and eastern parts of the bay. The western and eastern parts of the bay are high sulfur and high sulfur. The western and eastern parts of the bay are high sulfur and high sulfur. The western and eastern parts of the bay are high sulfur and high sulfur. The western and eastern parts of the bay are high sulfur and high sulfur. The western and eastern parts of the bay are high sulfur and high sulfur.

TYPE	SULFUR %	SULFUR %
SAND	0.20-0.30	0.10
SILT	0.10-0.20	0.05
CLAY	0.30-0.40	0.15
SAND-SILT	0.15-0.25	0.08
SILT-CLAY	0.25-0.35	0.12
SAND-SILT-CLAY	0.10-0.20	0.05

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U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
HYDROGRAPHIC CHART 12226



**Introduction**  
Chesapeake Bay Earth Science Atlas No. 4 is a reference work in a series of new atlases providing physical and chemical characteristics of the bay system. It is the fourth in a series of atlases that will provide a comprehensive overview of the bay system. The atlases will provide a comprehensive overview of the bay system. The atlases will provide a comprehensive overview of the bay system.

**Acknowledgements**  
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**Physiographic and Geological Setting**  
The Chesapeake Bay is located in the Eastern Section of the Atlantic Coastal Plain Province. The Bay is an estuary formed by the Potomac River and the Susquehanna River. The Bay is an estuary formed by the Potomac River and the Susquehanna River. The Bay is an estuary formed by the Potomac River and the Susquehanna River.

**References**  
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