HAVRE DE GRACE QUADRANGLE
MARYLAND
7.5 MINUTE SERIES (ORTHOPHOTOQUAD)

North American Datum of 1983 (NAD 83)
Projection and 1000-meter grid ticks:
Maryland State Plane Coordinate System

N

SCALE 1:24000

1 0 1 2 kilometers

1 0 1 mile

1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 feet

HORIZONTAL DATUM NAD 83

HAVRE DE GRACE, MD
MGS-00-042-1
Second Edition
DATE OF PHOTOGRAPHY
March 25, 1995

1	2	3
4		5
6	7	8

1 Conowingo Dam
2 Rising Sun
3 Bay View
4 Aberdeen
5 North East
6 Perryman
7 Spesutie
8 Earleville

INDEX TO ADJOINING 7.5' MAPS

State of Maryland
Parris N. Glendening, Governor

Department of Natural Resources
Sarah J. Taylor-Rogers, Secretary

Resource Assessment Service
Paul Massicot, Director

Maryland Geological Survey
Emery T. Cleaves, Director

Shoreline Changes
Havre de Grace Quadrangle, MD

Compiled by

Maryland Geological Survey
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2000

LEGEND

- 1845 Shoreline
- 1976 Shoreline
- 1995 Shoreline

SOURCES OF DATA

Base Image
Composite of resampled digital orthophoto quarter quads (Havre de Grace - NE, NW, SE, SW) produced by the Maryland Department of Natural Resources (DNR) from aerial photography flown on March 25, 1995

Shorelines
1845 - Historical Shorelines CZM Map 42A (Maryland Geological Survey, 1975); digitized using AutoCAD

1976 - National Oceanic and Atmospheric Administration - National Ocean Service T-sheet listed below; digitized using GSMAP or AutoCAD

T-sheet	Date of Field Edit	Date of Photography
TP-00956	none	1976

1995 - orthophotoquad shoreline extracted from a DNR digital wetlands delineation based on photo interpretation of digital orthophoto quarter quads

ACKNOWLEDGMENTS

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Maryland With Pride