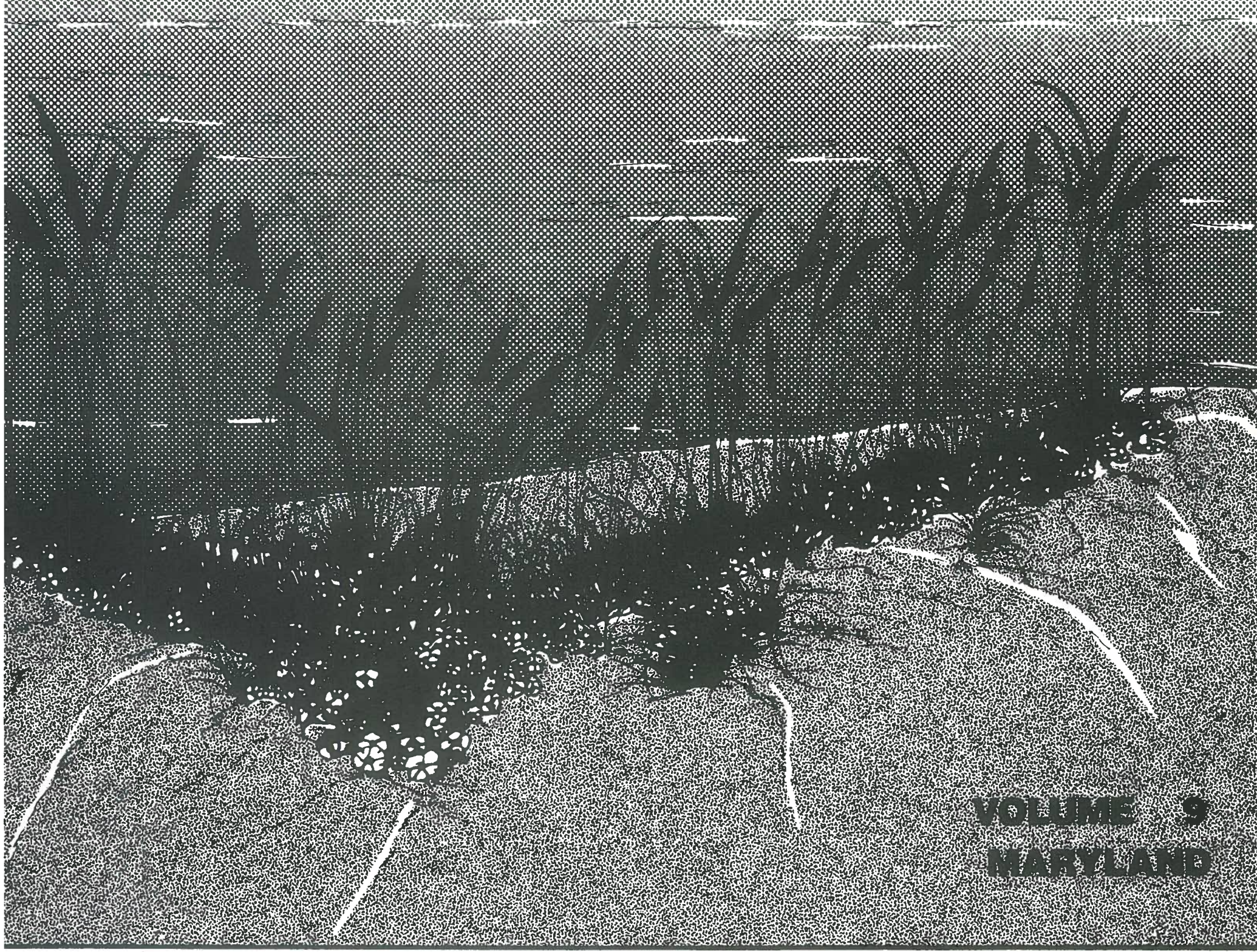


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REPORT TO CONGRESS: COASTAL BARRIER RESOURCES SYSTEM

**Proposed Recommendations for Additions to or Deletions
from the Coastal Barrier Resources System**



**VOLUME 9
MARYLAND**

U.S. Department of the Interior

February 1987



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VOLUME 9

**Proposed Recommendations for Additions to or Deletions from
the Coastal Barrier Resources System**

MARYLAND

Mapped, edited, and published by the Coastal Barriers Study Group

**United States Department of the Interior
William P. Horn, Assistant Secretary for Fish and Wildlife and Parks**

February 1987

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MARYLAND

INTRODUCTION

The Coastal Barrier Resources Act (CBRA) of 1982 (Public Law 97-348) established the Coastal Barrier Resources System (CBRS), a system of undeveloped coastal barriers along the Atlantic and Gulf of Mexico coasts. This atlas of coastal barriers in Maryland has been prepared in accordance with Section 10 of CBRA (16 U.S.C. 3509), which states:

Sec. 10. Reports to Congress.

(a) In General.--Before the close of the 3-year period beginning on the date of the enactment of this Act, the Secretary shall prepare and submit to the Committees a report regarding the System.

(b) Consultation in Preparing Report.--The Secretary shall prepare the report required under subsection (a) in consultation with the Governors of the States in which System units are located and with the coastal zone management agencies of the States in which System units are located and after providing opportunity for, and considering, public comment.

(c) Report Content.--The report required under subsection (a) shall contain--

(1) recommendations for the conservation of fish, wildlife, and other natural resources of the System based on an evaluation and comparison of all management alternatives, and combinations thereof, such as State and local actions (including management plans approved under the Coastal Zone Management Act of 1972 (16 U.S.C. 1451 et seq.)), Federal actions (including acquisition for administration as part of the National Wildlife Refuge System), and initiatives by private organizations and individuals;

(2) recommendations for additions to, or deletions from, the Coastal Barrier Resources System, and for modifications to the boundaries of System units;

(3) a summary of the comments received from the Governors of the States, State coastal zone management agencies, other government officials, and the public regarding the System; and

(4) an analysis of the effects, if any, that general revenue sharing grants made under section 102 of the State and Local Fiscal Assistance Amendments of 1972 (31 U.S.C. 1221) have had on undeveloped coastal barriers.

This atlas of Maryland includes delineations of proposed recommendations for additions to the CBRS that will be provided to Congress by the Department of Interior following public review and comment. No units were designated in Maryland when CBRA was enacted in 1982.

Under the direction of the Assistant Secretary for Fish and Wildlife and Parks, this report has been prepared by the Coastal Barriers Study Group, a task force of professionals representing the National Park Service, U.S. Fish and Wildlife Service, U.S. Geological Survey, and other Departmental offices.

BACKGROUND

Maryland has a total land area of approximately 12,303 square miles. Two principal areas--the Chesapeake Bay with 4,000 miles of shoreline and the Atlantic coast with 31 miles of shoreline--provide the State with an extensive coastal system. The Chesapeake Bay is divided into two distinct regions: the eastern and western shores. The eastern shore is primarily rural with farming and seafood harvesting the principal industries. Most of this region is covered by wetlands, wooded swamps, and farmland. The western shore, in addition to its rural southern area, contains two large metropolitan areas, Washington, D.C., and Baltimore, one of the Nation's leading harbors.

Along the wave-dominated Atlantic shoreline are two barrier islands, the southern one-half of Fenwick Island and the northern two-thirds of Assateague Island. These narrow islands form an almost continuous chain of wide sandy beaches with extensive dune and washover systems that protect Assawoman and Chincoteague Bays.

The economy of the State is supported by manufacturing, agriculture, mineral extraction, seafood production, and the activities of the port of Baltimore. Maryland leads the Nation in oyster production and ranks second in production of blue crabs. The port of Baltimore handles 23.4 percent of

the export commerce of U.S. North Atlantic ports. Coal, petroleum products, and mineral ores are the chief commodities that pass through Chesapeake Bay ports.

Natural resources are abundant, and the Chesapeake Bay is considered very productive. In the bay, oysters, crabs, bluefish, summer flounder, Atlantic croaker, and white perch are found in large numbers. Other wildlife found in this region include waterfowl, egrets, herons, terns, gulls, sandpipers, plovers, skimmers, wetland raptors, and upland migratory game birds. Endangered species in Maryland, as defined by the Federal Government, include the bald eagle, peregrine falcon, Atlantic green turtle, and loggerhead turtle. The striped bass has been declared endangered by the State and is now totally protected.

COASTAL RESOURCE MANAGEMENT

Maryland Coastal Resource Management

Following passage of the Federal Coastal Zone Management Act in 1972, Maryland initiated development of a State Coastal Zone Management Program (CZMP). After approval by the U.S. Department of Commerce, the Maryland CZMP was implemented in 1978. The program contains specific goals, objectives, and policies for management of uses and activities that have a direct effect on coastal waters. The Coastal Resources Division (CRD), a part of the Tidewater Administration of the Department of Natural Resources, provides staff support for coordinating the CZMP. Other units in the Department of Natural Resources have authority for various legal areas in the CZMP.

The following State statutes pertain most directly to coastal resource management.

Maryland Natural Resource Code Ann. 8-1105.1 (Supp. 1981). It is State policy to prohibit the construction or placement of permanent structures east of the dune line along Maryland's Atlantic coast with the exception of those needed for beach erosion control, sediment control, storm control, and maintenance projects approved by both the Department of Natural Resources and the Worcester Soil Conservation District.

Maryland Natural Resource Code Ann. 1-302, 5-201, 8-1105.1 (1974 and Supp. 1981). Activities that will adversely affect the integrity and natural character of Assateague Island are inconsistent with the State's Coastal Zone Management Program and are prohibited.

Maryland Natural Resource Code Ann. 9-102, 9-202 (1974 and Supp. 1981). Dredging, filling, and other activities which adversely affect the integrity of beaches, as on Chesapeake Bay and its tributaries, are inconsistent with the State's Coastal Zone Management Program and prohibited.

The Beach Erosion Control District Act, Maryland Natural Resource Code Ann. 8-1105.1 (Supp. 1981). Land clearing and construction activities are prohibited within the Beach Erosion Control District.

The Wetlands Act of 1970, Maryland Natural Resource Code Ann. 9-101 to -501 (1974 and Supp. 1981). This Act establishes policies and procedures for the restriction and regulation of activities affecting wetlands. State wetlands may not be dredged or filled without a license.

The Maryland Environmental Trust provides conservation easements through a voluntary program. Any donations of ecologically valuable land provide the landowner with tax incentives and deductions. This is the only State program that appears to support conservation by landowners through incentives.

Local Actions

An innovative feature of the Maryland CZMP is the availability of pass-through funds to local governments for the creation of positions for planners. All coastal counties now have coastal zone planners who work closely with the Coastal Resources Division on county land-use policies to ensure that the perspective of the CZMP is considered in the evaluation of new projects and plans.

Private Sector Initiatives

Public participation opportunities exist for Maryland citizens regarding decisions affecting the use of coastal resources. The Coastal Resources Advisory Committee (CRAC) is composed of nonvoting and voting members. Nonvoting members are from State and Federal agencies or academic institutions. Voting members include citizens and representatives of special interest groups and local governments. CRAC serves as the sounding board for citizens who wish to discuss their ideas about coastal resources management.

EXISTING CBRS UNITS

No units were designated in Maryland when CBRA was enacted in 1982.

PROPOSED ADDITIONS

This section identifies proposed recommendations for additions to the Coastal Barrier Resources System in Maryland. The Secretary of the Interior, as directed by Section 10 of the Coastal Barrier Resources Act, will make his final recommendations to the Congress after a 90-day public comment period. The following proposed recommendations have been developed in response to public, State and Federal agency, and Congressional comments on the Coastal Barrier Draft Inventory developed by the Study Group. The inventory maps were available for public comment between March 4, 1985, and September 30, 1985. The process and criteria used in the inventory were described on March 4, 1985, in the Federal Register (Vol. 50, No. 42).

The State of Maryland reviewed these documents and agrees to the addition of all units in the draft inventory with the exception of certain developed areas. Maryland also requested that the Lewis Creek (MD-40A) area be added to CBRS.

The Department received 14 other comments concerning Maryland. The major portion of these letters expressed opinions on individual proposed CBRS units. Thirteen of these letters were in favor of the CBRS expansion.

The Department of the Interior proposes to recommend that all undeveloped, unprotected coastal barriers and associated aquatic habitat identified in the draft inventory in Chesapeake Bay, including Lewis Creek, be added to the Coastal Barrier Resources System. A table presenting the Department's

current position on each unit identified in the inventory follows this discussion.

Public comment on the proposed recommendations is solicited.

Comments should be directed to:

The Coastal Barriers Study Group
Department of the Interior
National Park Service
P.O. Box 37127
Washington, DC 20013-7127.

SUMMARY OF PROPOSED RECOMMENDATIONS FOR COASTAL BARRIERS IN MARYLAND

Unit ID Code ^a	Unit Name ^b	County	Congress. Dist. ^c	Shoreline Length (miles)	Area (acres)	Proposed Recommendation ^d
MD-01	Assateague	Worcester	1	—	—	State/Federally (NPS, FWS) protected; no further consideration
MD-02	Fair Island	Somerset	1	0.75	173	Add to CBRS; no change from inventory
MD-03	Sound Shore	Somerset	1	2.17	1,043	Add to CBRS; no change from inventory
MD-04	Cedar Island	Somerset	1	—	—	State protected; no further consideration
MD-05	Janes Island	Somerset	1	—	—	State protected; no further consideration
MD-06	Joes Cove	Somerset	1	0.96	92	Add to CBRS; no change from inventory
MD-07	Scott Point	Somerset	1	—	—	State protected; no further consideration
MD-08	Hazard Cove	Somerset	1	—	—	State protected; no further consideration
MD-09	Teague Creek	Somerset	1	—	—	Developed; no further consideration
MD-10	St. Pierre Marsh	Somerset	1	—	—	State protected; no further consideration
MD-11	Little Deal Island	Somerset	1	1.31	653	Add to CBRS; no change from inventory
MD-12	Deal Island	Somerset	1	0.90	254	Delete developed segment; add balance to CBRS
MD-13	Haines Point	Somerset	1	—	—	Developed; no further consideration

(continued)

SUMMARY OF PROPOSED RECOMMENDATIONS FOR COASTAL BARRIERS IN MARYLAND (CONTINUED)

Unit ID Code ^a	Unit Name ^b	County	Congress. Dist. ^c	Shoreline Length (miles)	Area (acres)	Proposed Recommendation ^d
MD-14	Franks Island	Somerset	1	0.32	351	Delete State-protected segment; add balance to CBRS
MD-15	Long Point	Somerset	1	0.44	19	Add to CBRS; no change from inventory
MD-16	Stump Point	Wicomico	1	1.84	925	Add to CBRS; no change from inventory
MD-17	Smith Island	Somerset	1	—	—	Federally protected (FWS); no further consideration
MD-18	Pry Cove	Somerset	1	—	—	State protected; no further consideration
MD-19	Holland Island	Dorchester	1	1.62	527	Add to CBRS; no change from inventory
MD-20	Jenny Island	Dorchester	1	0.75	107	Add to CBRS; no change from inventory
MD-21	Barren Island	Dorchester	1	—	—	State protected; no further consideration
MD-22	Hooper Neck	Dorchester	1	0.55	68	Add to CBRS; no change from inventory
MD-23	Hills Point	Dorchester	1	—	—	Not a barrier; no further consideration
MD-24	Covey Creek	Dorchester	1	0.38	16	Add to CBRS; no change from inventory
MD-25	Castle Haven Point	Dorchester	1	0.49	32	Add to CBRS; no change from inventory
MD-26	Boone Creek	Talbot	1	0.36	147	Delete developed segment; add balance to CBRS
MD-27	Benon Point	Talbot	1	0.69	45	Add to CBRS; no change from inventory
MD-28	Lowes Point	Talbot	1	0.94	106	Add to CBRS; no change from inventory
MD-29	Rich Neck	Talbot	1	—	—	Developed; no further consideration
MD-30	Kent Point	Queen Annes	1	0.40	40	Add to CBRS; no change from inventory

(continued)

SUMMARY OF PROPOSED RECOMMENDATIONS FOR COASTAL BARRIERS IN MARYLAND (CONTINUED)

Unit ID Code ^a	Unit Name ^b	County	Congress. Dist. ^c	Shoreline Length (miles)	Area (acres)	Proposed Recommendation ^d
MD-31	Mattapex	Queen Annes	1	—	—	Less than minimum shoreline; no further consideration
MD-32	Stevensville	Queen Annes	1	0.70	67	Add to CBRS; no change from inventory
MD-33	Wesley Church	Queen Annes	1	0.28	21	Add to CBRS; no change from inventory
MD-34	Macum Creek	Queen Annes	1	—	—	Less than minimum shoreline; no further consideration
MD-35	Wilson Pond	Kent	1	0.25	51	Add to CBRS; no change from inventory
MD-36	Huntingfield Point	Kent	1	—	—	Developed; no further consideration
MD-37	Flag Ponds	Calvert	1	—	—	Locally protected; no further consideration
MD-38	Cove Point Marsh	Calvert	1	1.26	173	Add to CBRS; no change from inventory
MD-39	Drum Point	Calvert	1	0.60	47	Add to CBRS; no change from inventory
MD-40	Point Patience	Calvert	1	—	—	Military (Navy); no further consideration
MD-40A	Lewis Creek	Calvert	1	0.15	61	State-recommended addition to CBRS
MD-41	Green Holly Pond	St. Marys	1	0.40	79	Delete military segment; add balance to CBRS
MD-42	Fishing Point	St. Marys	1	—	—	Military (Navy); no further consideration
MD-43	Fresh Pond	St. Marys	1	—	—	Military (Navy); no further consideration
MD-44	St. Clarence Creek	St. Marys	1	0.90	175	Add to CBRS; no change from inventory
MD-45	Deep Point	St. Marys	1	0.49	62	Add to CBRS; no change from inventory
MD-46	Point Look-in	St. Marys	1	0.25	21	Add to CBRS; no change from inventory

(continued)

SUMMARY OF PROPOSED RECOMMENDATIONS FOR COASTAL BARRIERS IN MARYLAND (CONCLUDED)

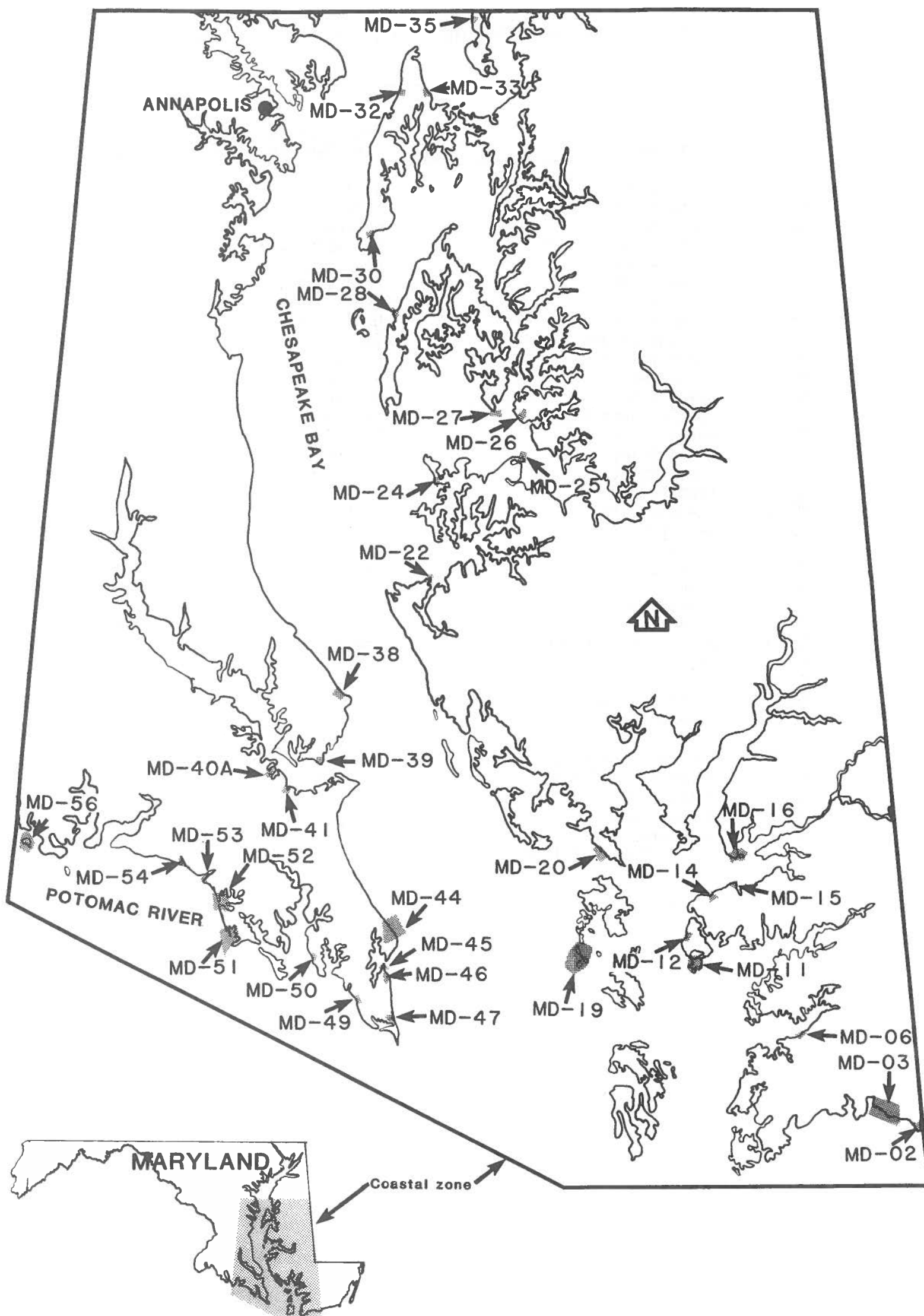
Unit ID Code ^a	Unit Name ^b	County	Congress. Dist. ^c	Shoreline Length (miles)	Area (acres)	Proposed Recommendation ^d
MD-47	Cornfield Harbor	St. Marys	1	0.28	79	Delete State-protected area; add balance to CBRS
MD-48	Point Lookout	St. Marys	1	—	—	State protected; no further consideration
MD-49	Biscoe Creek	St. Marys	1	0.25	40	Add to CBRS; no change from inventory
MD-50	Chicken Cock Creek	St. Marys	1	0.41	43	Add to CBRS; no change from inventory
MD-51	Piney Point Creek	St. Marys	1	0.81	275	Add to CBRS; no change from inventory
MD-52	McKay Cove	St. Marys	1	0.54	258	Add to CBRS; no change from inventory
MD-53	Blake Creek	St. Marys	1	0.39	41	Add to CBRS; no change from inventory
MD-54	Belvedere Creek	St. Marys	1	0.51	132	Add to CBRS; no change from inventory
MD-55	St. Clements Island	St. Marys	1	—	—	State protected; no further consideration
MD-56	St. Catherine Island	St. Marys	1	0.61	64	Add to CBRS; no change from inventory
Total - CBRS as Recommended				23.95	6,287	

^aUNIT ID CODE - State initials (MD) plus a number identify each separate proposed unit.

^bUNIT NAME - A provisional name based on a prominent local feature.

^cCONGRESSIONAL DISTRICT - U.S. Congressional District in which unit is located.

^dPROPOSED RECOMMENDATION - A brief explanation of the differences between the 1985 inventory and the recommendations proposed in this revised inventory. For more detailed explanations, please contact the Study Group. Abbreviations: FWS = Fish and Wildlife Service, NPS = National Park Service, CBRS = Coastal Barrier Resources System. Barriers no longer under consideration are not mapped in this atlas.



USER NOTE: To locate the map(s) of each proposed CBRS unit in this volume, consult the table on the following page.

INDEX TO PROPOSED CBRS UNITS IN MARYLAND

PROPOSED CBRS UNITS AND THEIR LOCATION IN THIS VOLUME

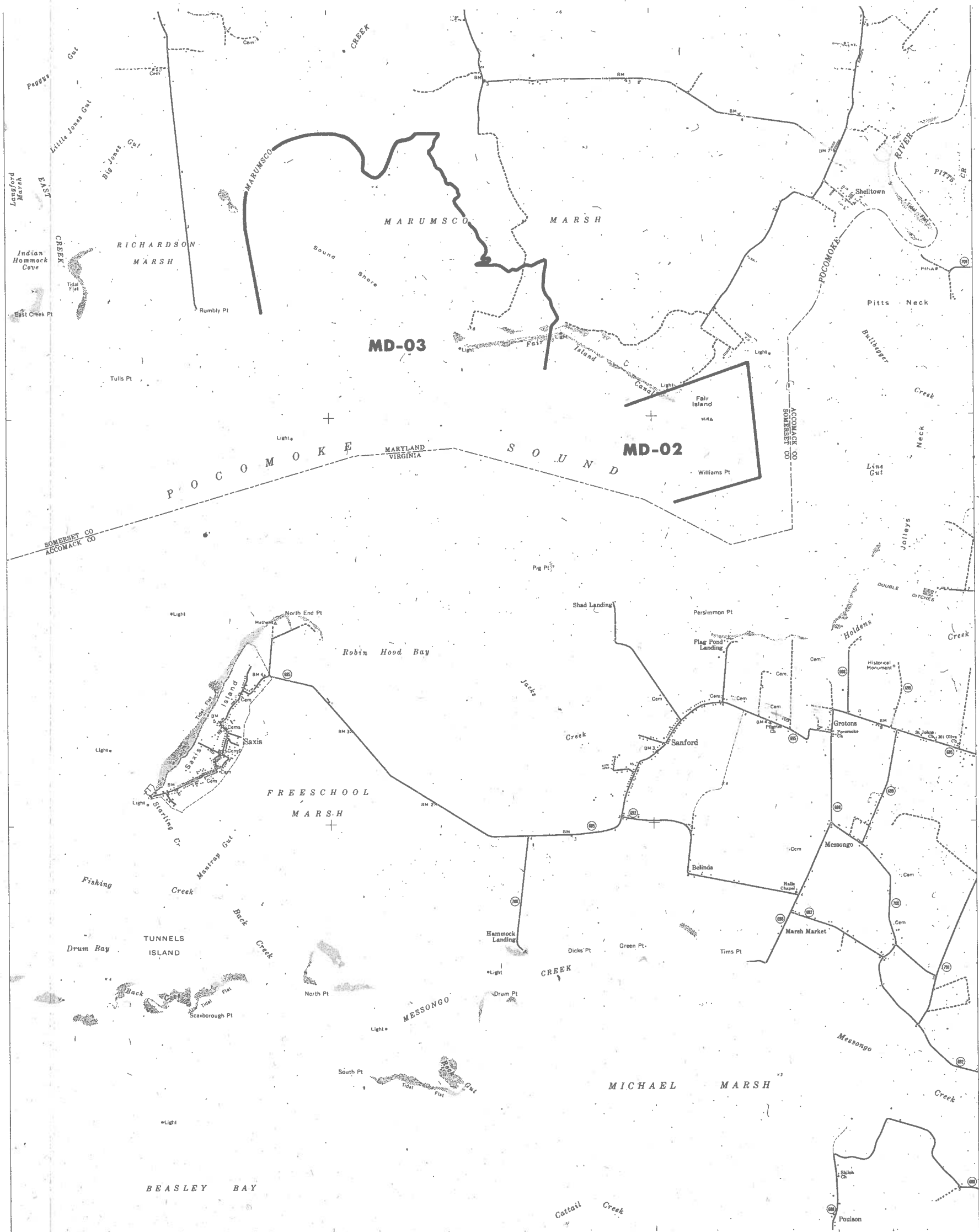
Unit ID Code	Unit Name	USGS Topographic Map or Map Composite	Page
MD-02	Fair Island	Saxis	10
MD-03	Sound Shore	Saxis	10
MD-06	Joes Cove	Marion	11
MD-11	Little Deal Island	Terrapin Sand Point	12
MD-12	Deal Island	Deal Island	13
MD-14	Franks Island	Deal Island	13
MD-15	Long Point	Deal Island	13
MD-16	Stump Point	Deal Island	13
MD-19	Holland Island	Bloodsworth Island	14
MD-20	Jenny Island	Bloodsworth Island	14
MD-22	Hooper Neck	Hudson	15
MD-24	Covey Creek	Hudson	15
MD-25	Castle Haven Point	Oxford	16
MD-26	Boone Creek	Oxford	16
MD-27	Benon Point	Oxford	16
MD-28	Lowes Point	Claiborne	17
MD-30	Kent Point	Claiborne	17
MD-32	Stevensville	Kent Island	18
MD-33	Wesley Church	Kent Island	18
MD-35	Wilson Pond	Langford Creek	19
MD-38	Cove Point Marsh	Cove Point	20
MD-39	Drum Point	Solomons Island	21
MD-40A	Lewis Creek	Solomons Island	21
MD-41	Green Holly Pond	Solomons Island	21
MD-44	St. Clarence Creek	Point No Point	22
MD-45	Deep Point	Point Lookout	23
MD-46	Point Look-in	Point Lookout	23
MD-47	Cornfield Harbor	Point Lookout	23
MD-49	Biscoe Creek	Point Lookout	23
		St. George Island	24
MD-50	Chicken Cock Creek	St. George Island	24
MD-51	Piney Point Creek	Piney Point	25
MD-52	McKay Cove	Piney Point	25
MD-53	Blake Creek	Piney Point	25
MD-54	Belvedere Creek	Piney Point	25
MD-56	St. Catherine Island	Stratford Hall	26

MAP KEY

EXCLUDED

Proposed unit boundary

Area excluded from a proposed
CBRS unit because it is
developed or it is otherwise
protected

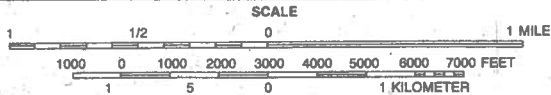


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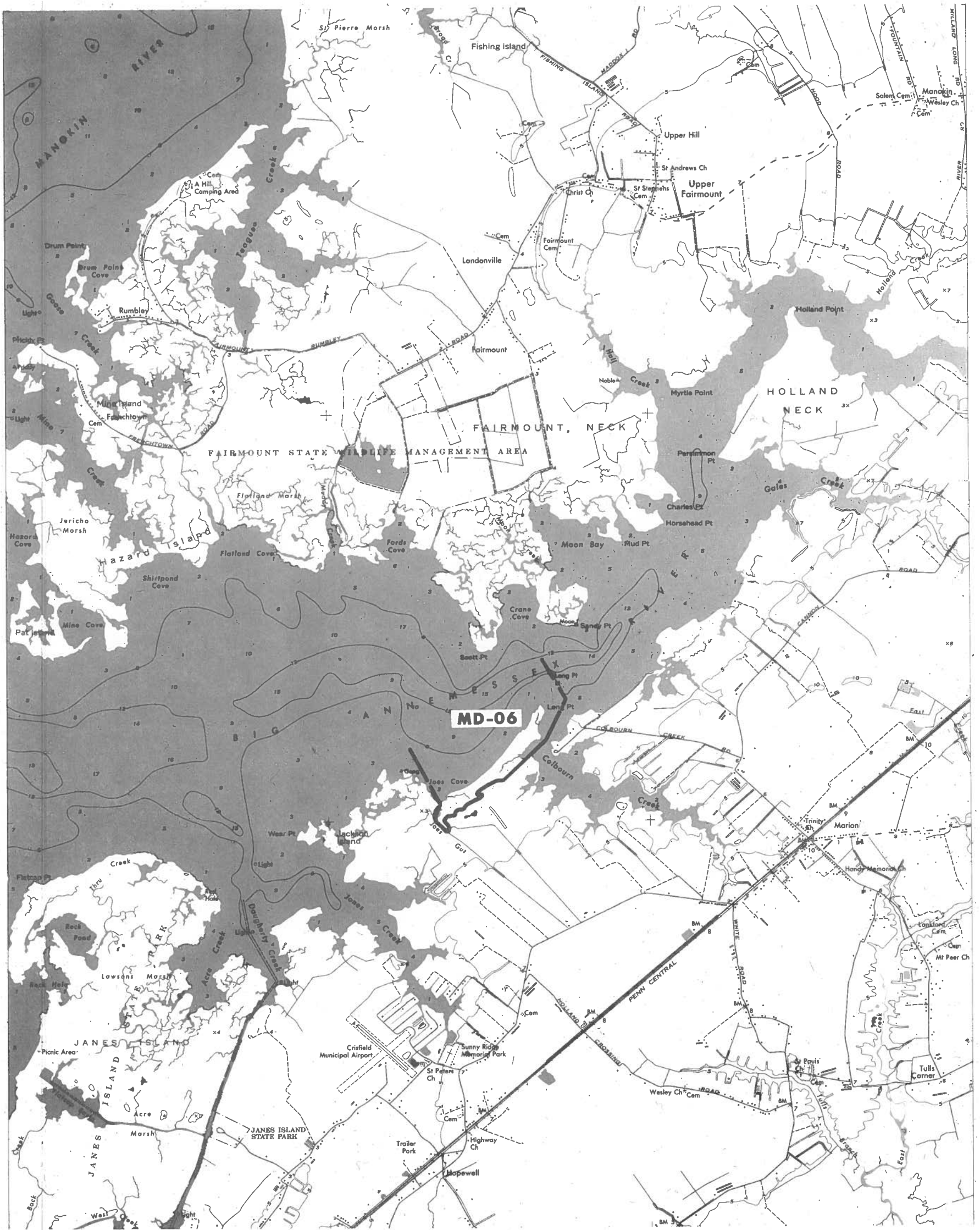
QUADRANGLE
SAXIS
MARYLAND



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Base Map is the U.S. Geological Survey 1:24,000 scale quadrangle.



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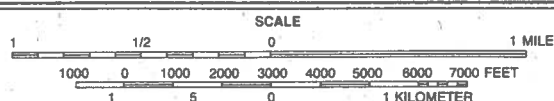
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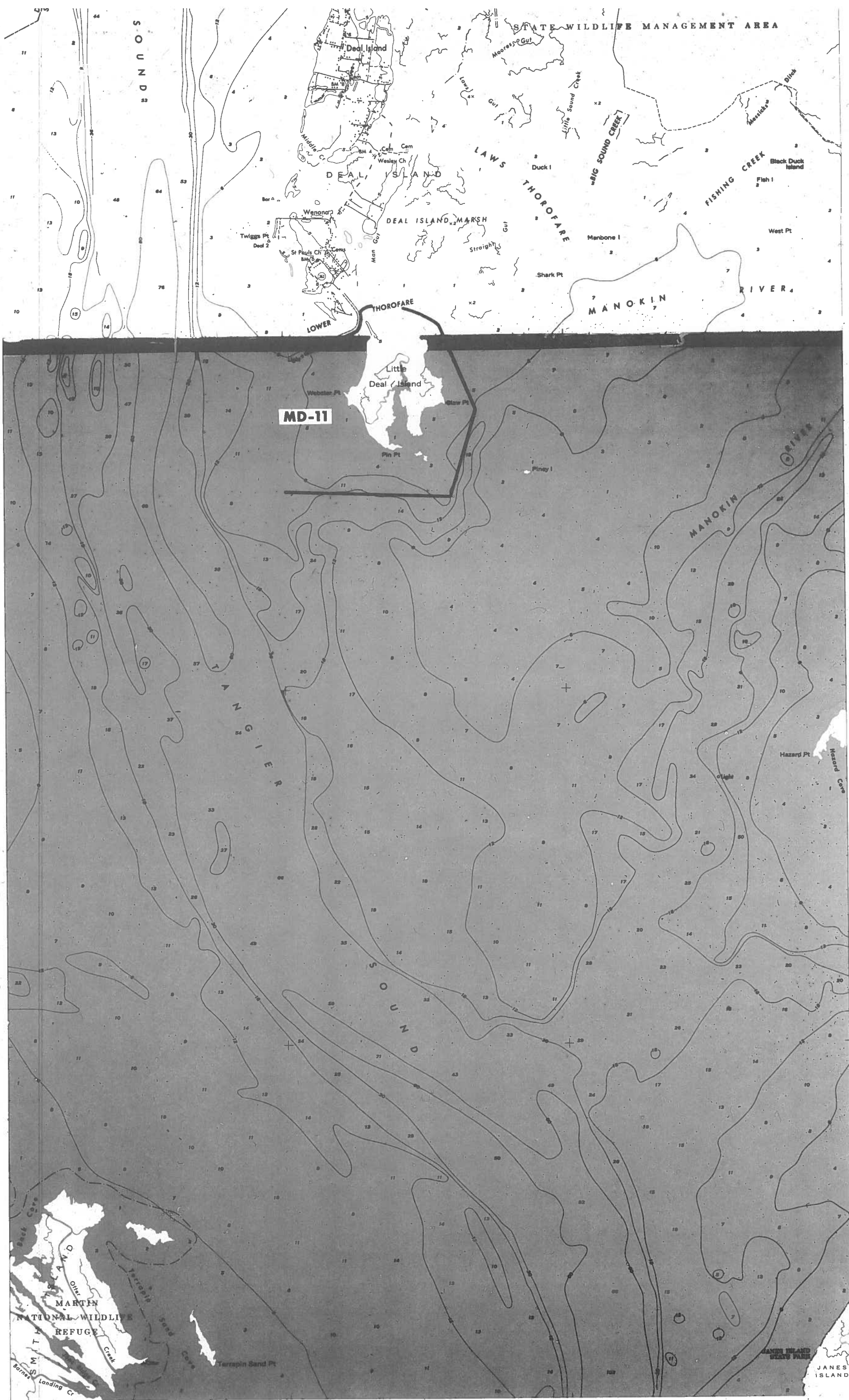
QUADRANGLE
MARION
MARYLAND



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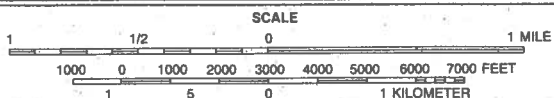
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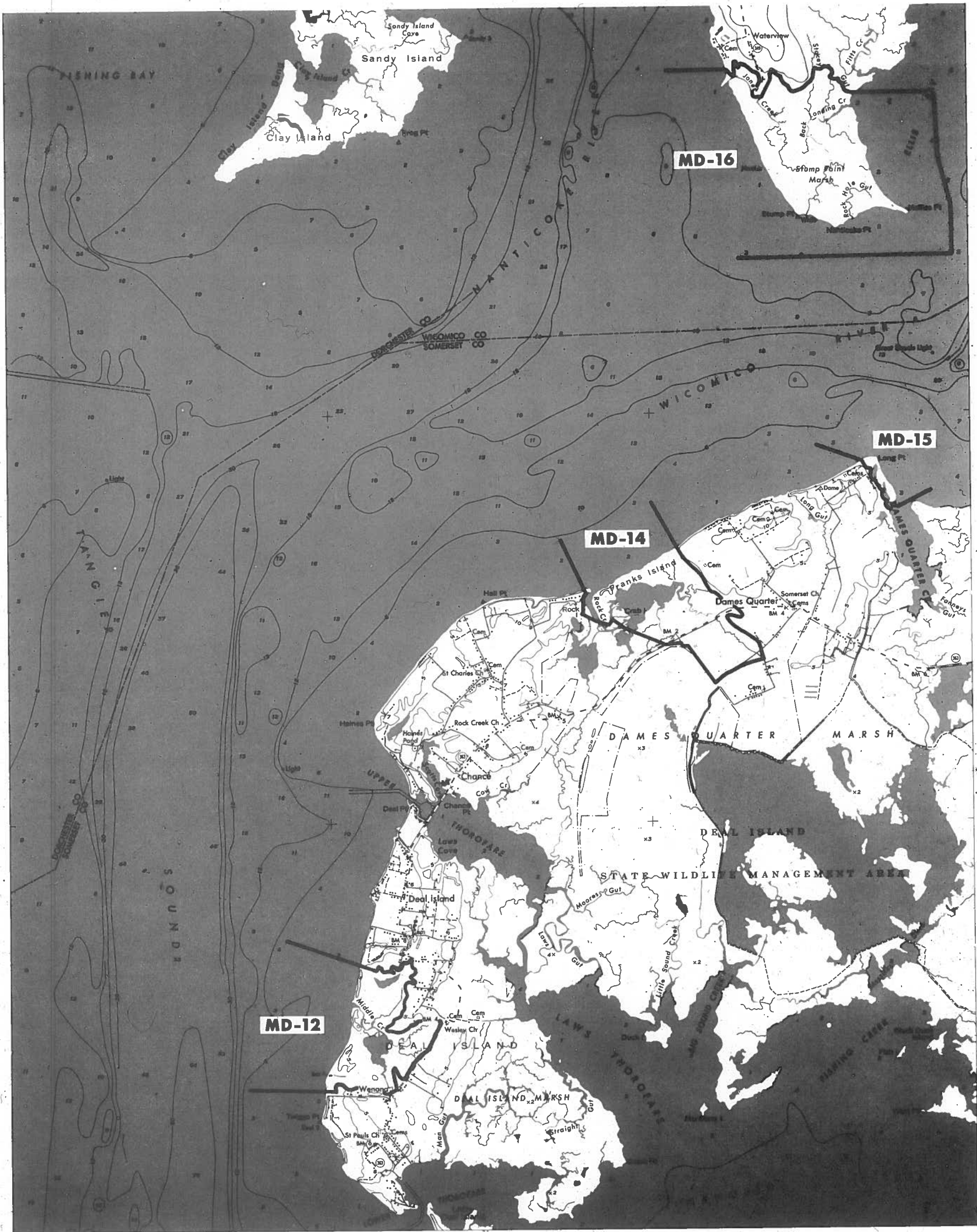
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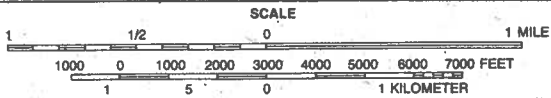


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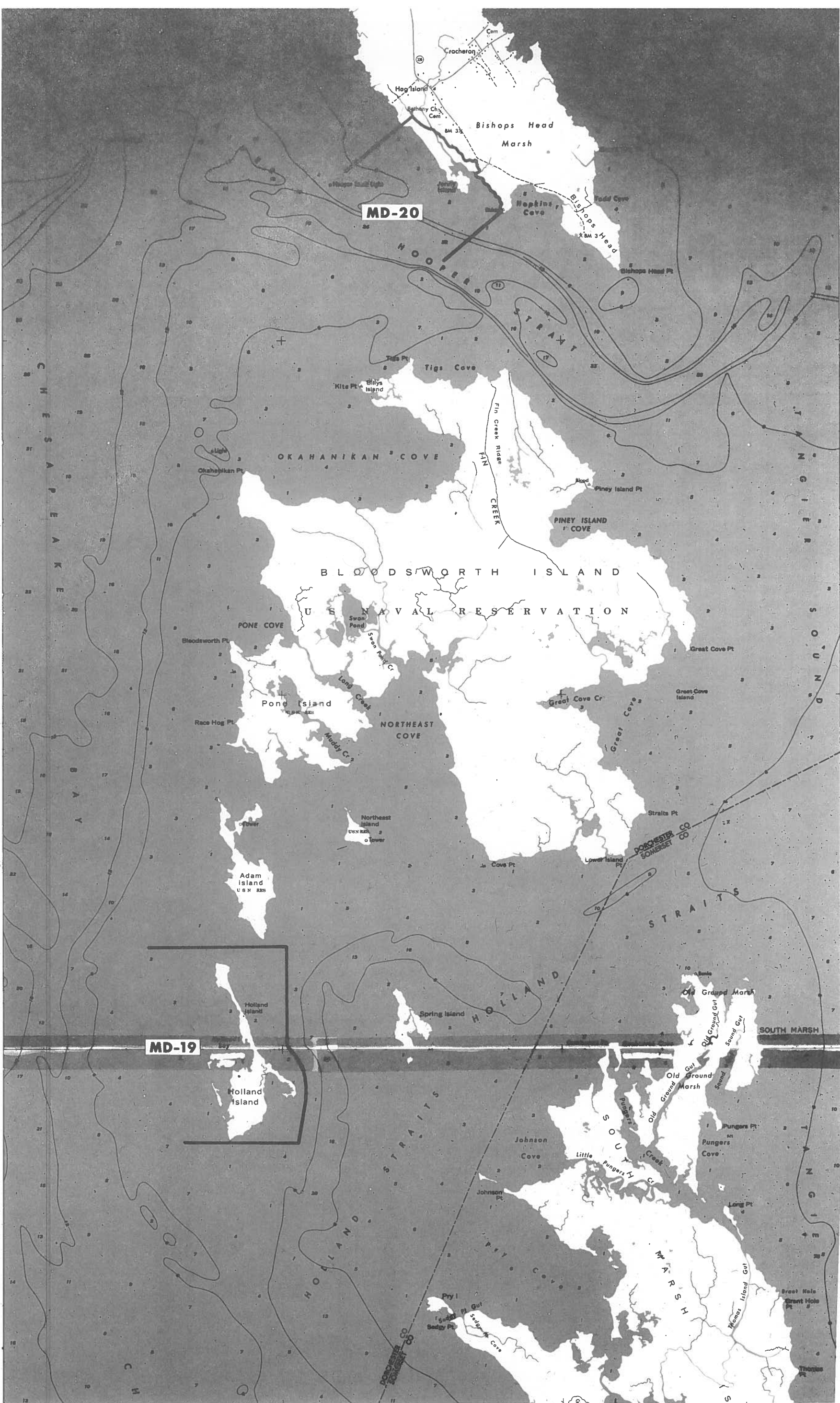
QUADRANGLE
DEAL ISLAND
MARYLAND



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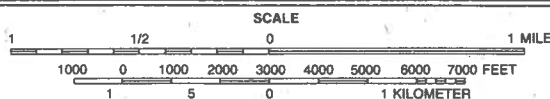


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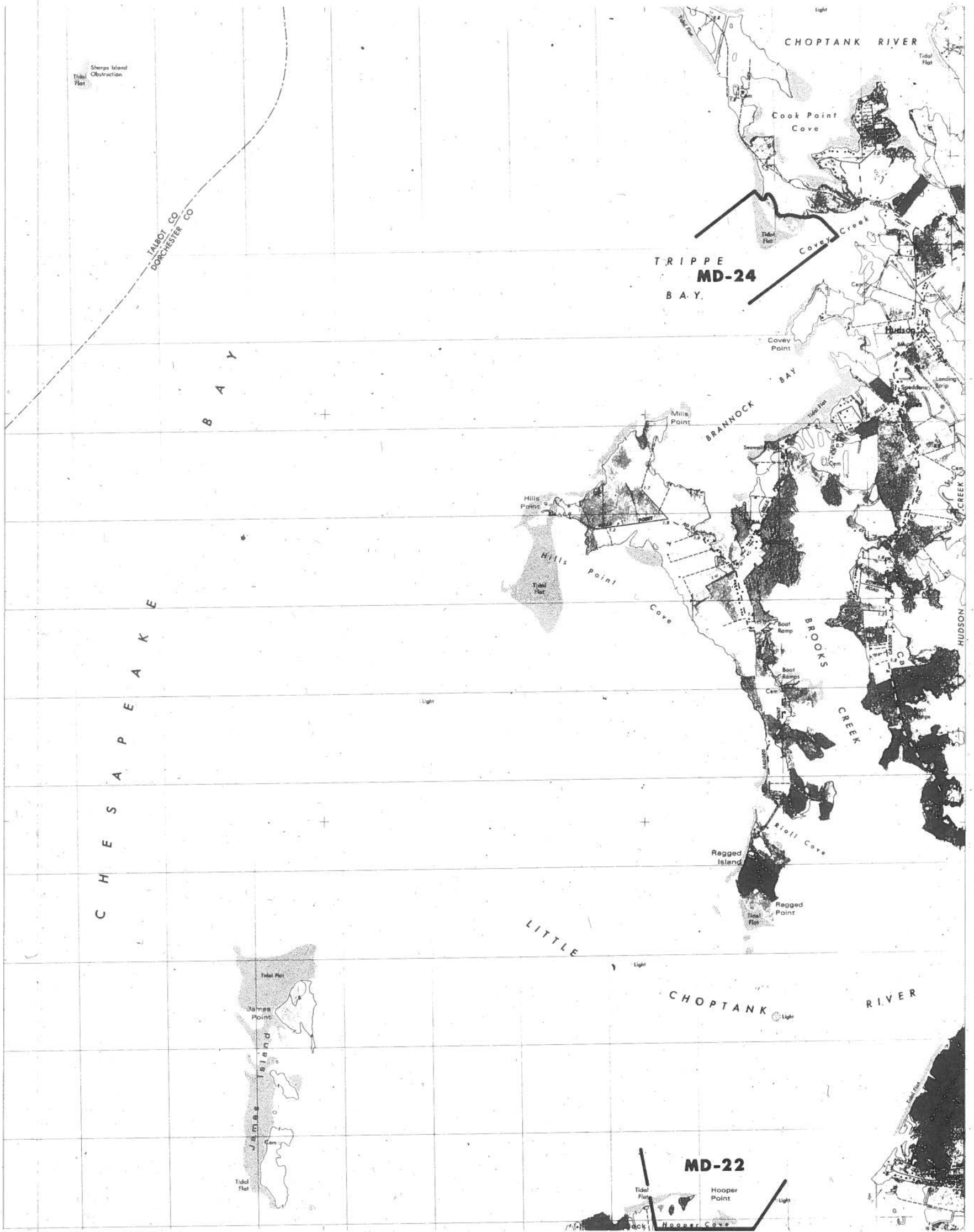
QUADRANGLE
BLOODSWORTH ISLAND
MARYLAND



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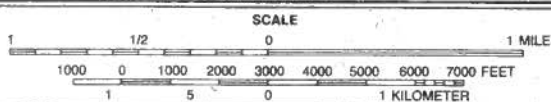
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QUADRANGLE
HUDSON
MARYLAND



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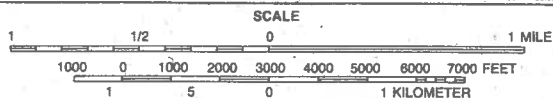
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Report to Congress on the Coastal Barrier Resources System

QUADRANGLE
OXFORD
MARYLAND



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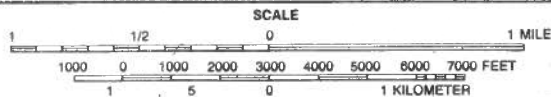


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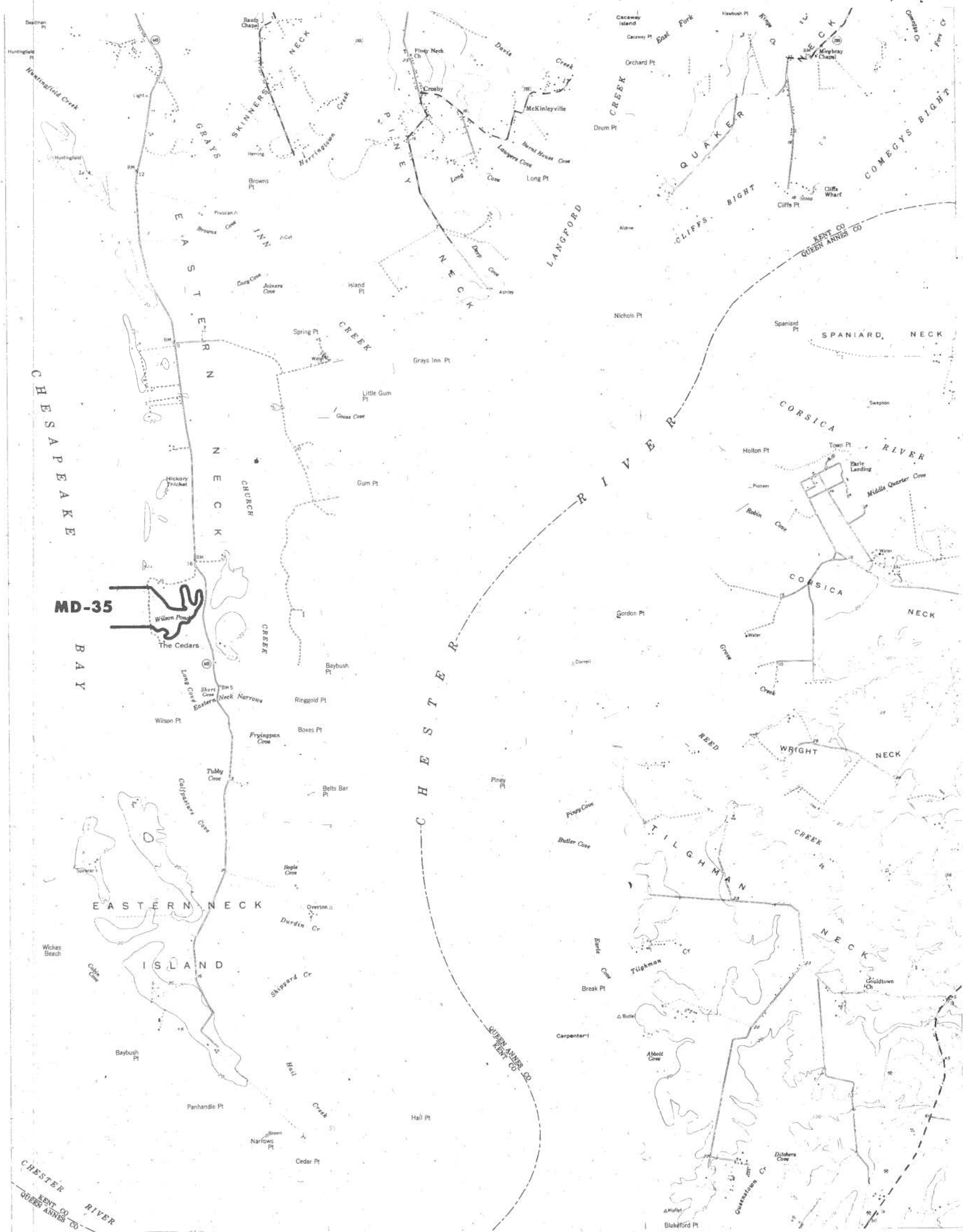
QUADRANGLE
KENT ISLAND
MARYLAND



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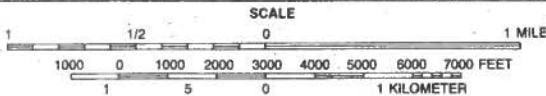
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Report to Congress on the Coastal Barrier Resources System

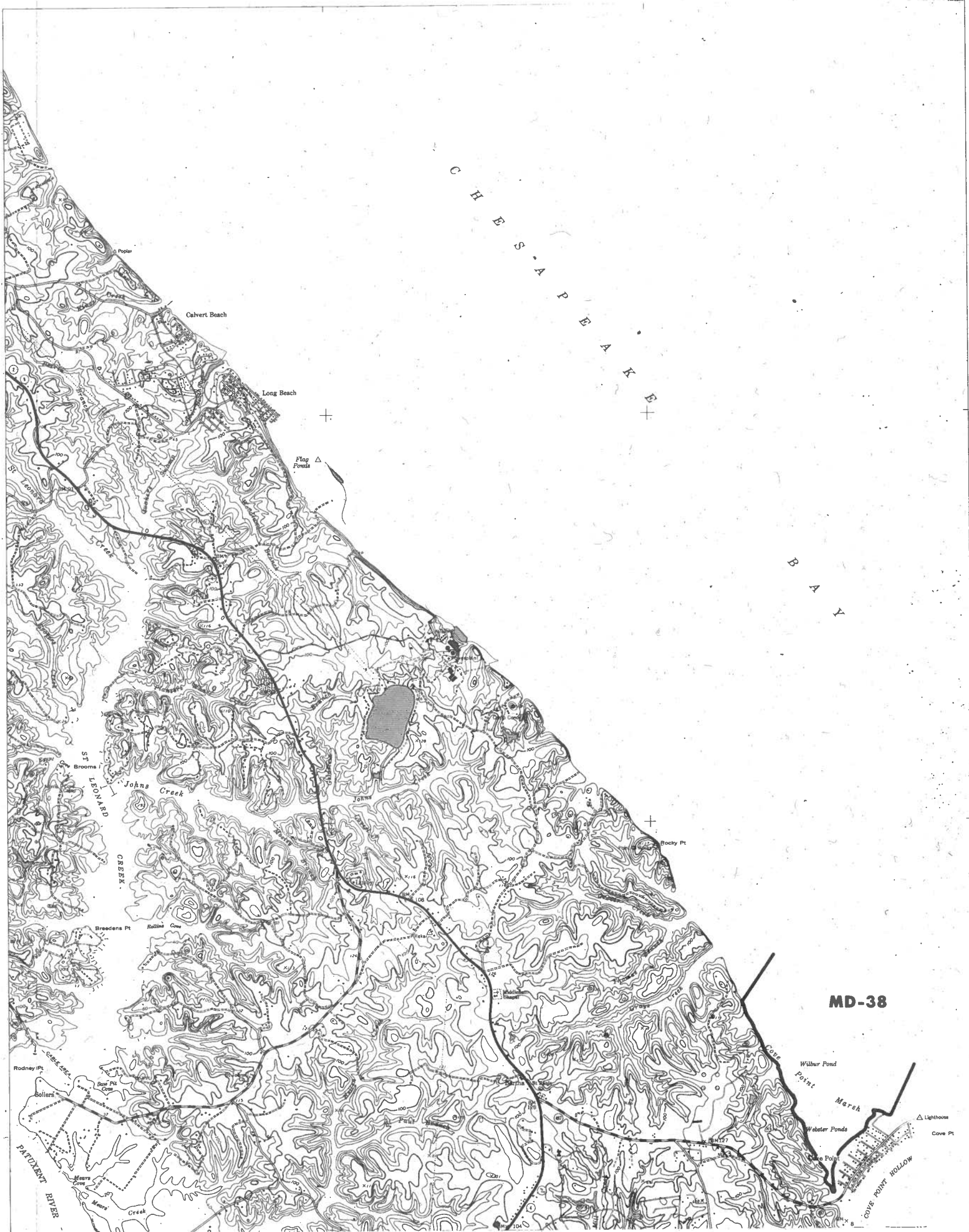
QUADRANGLE
LANGFORD CREEK
MARYLAND



Solid lines depict proposed recommendations for additions or deletions to the Coastal Barrier Resources System. (Section 10 of P.L. 97 - 348.)
Dash lines depict approximate boundaries of existing units in the Coastal Barrier Resources System, for reference purposes only.

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Washington, D.C. 20240

Base Map is the U.S. Geological Survey 1:24,000 scale quadrangle.



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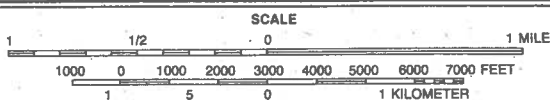


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Report to Congress on the Coastal Barrier Resources System

QUADRANGLE
COVE POINT
MARYLAND



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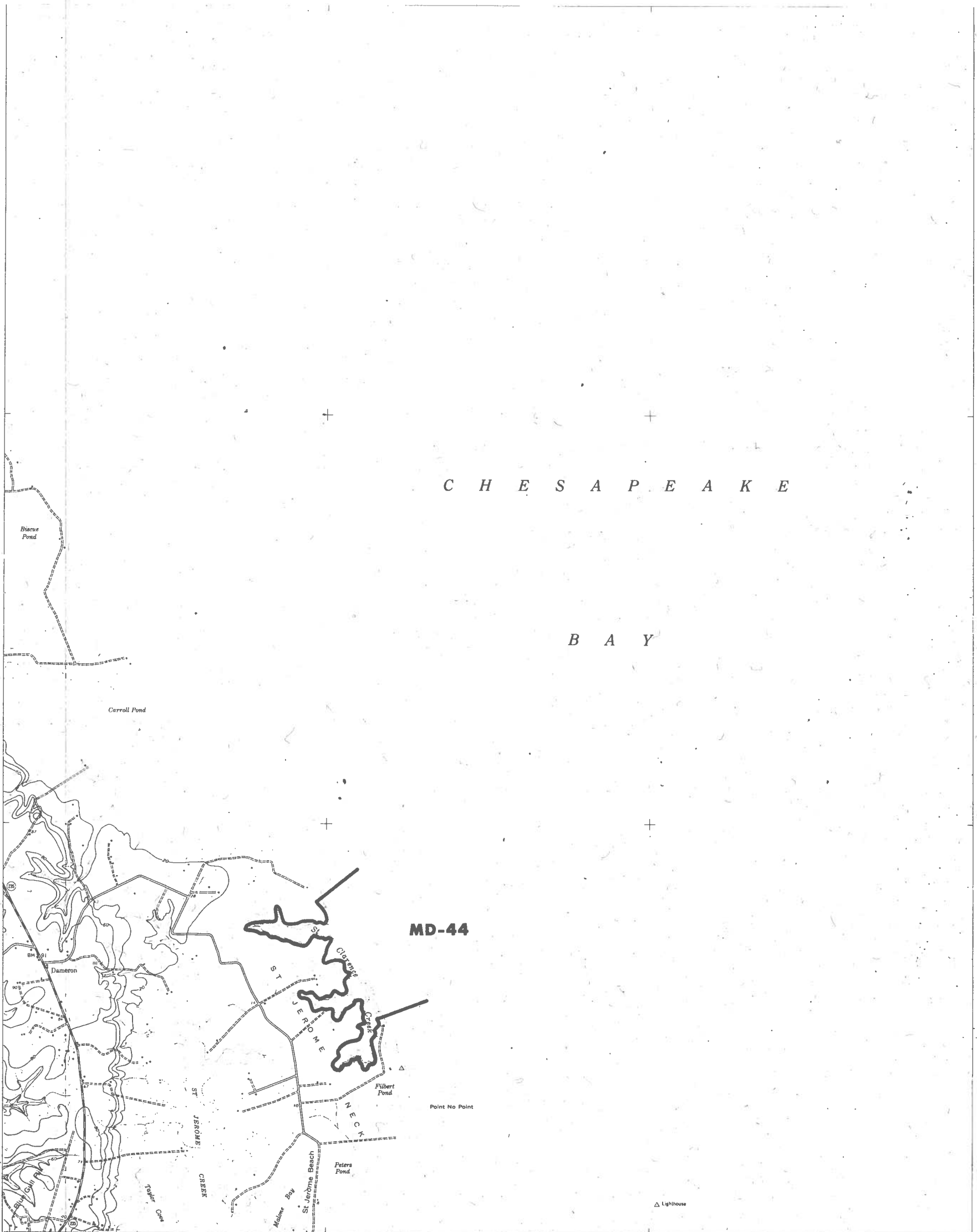
QUADRANGLE
SOLOMONS ISLAND
MARYLAND

SCALE
1 1/2 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 5 0 1 KILOMETER

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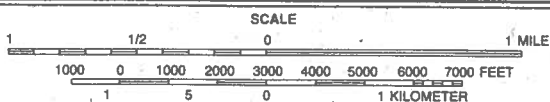


22



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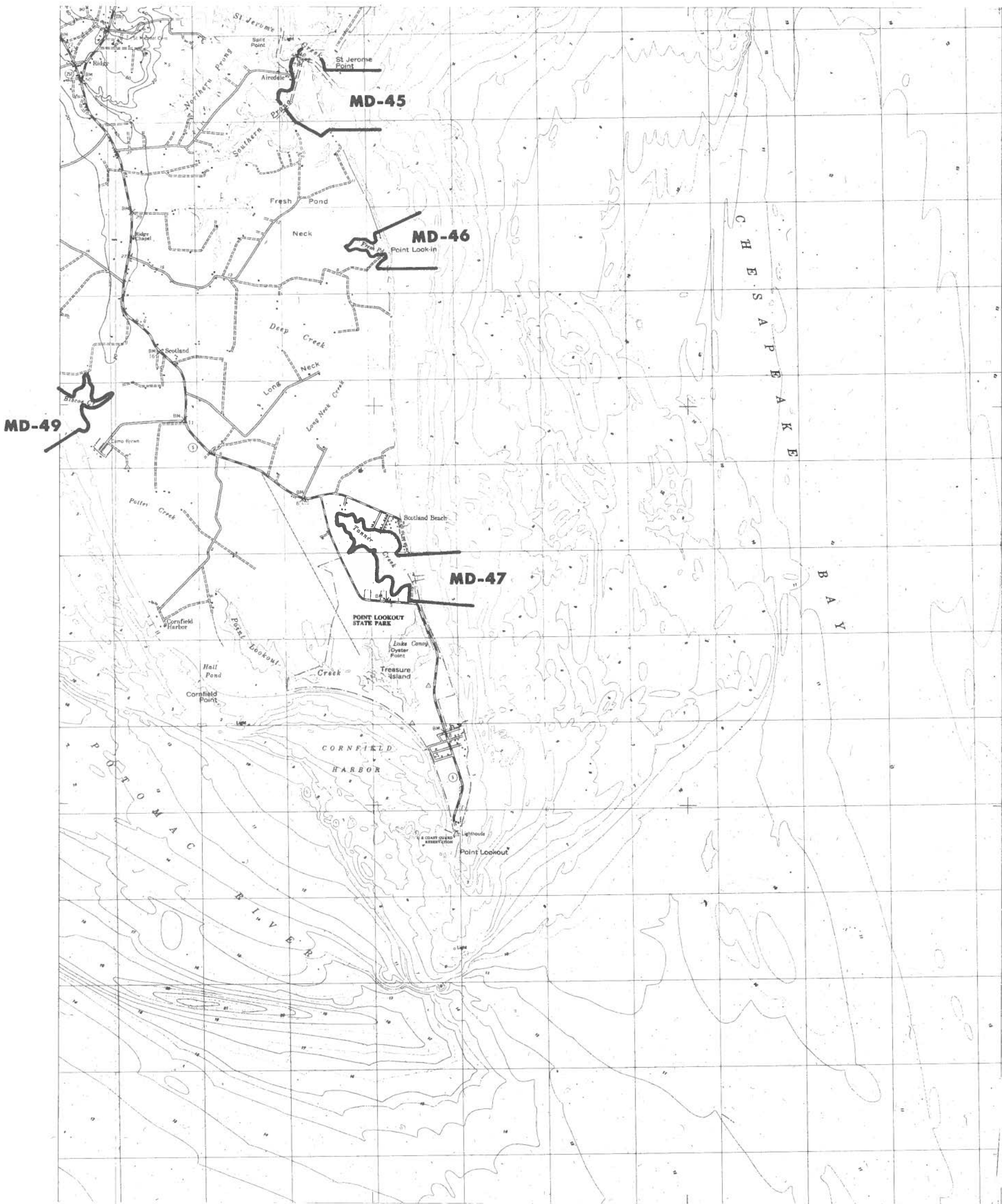
QUADRANGLE
POINT NO POINT
MARYLAND



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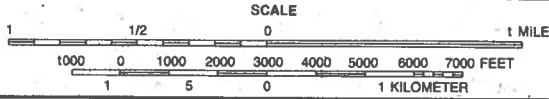


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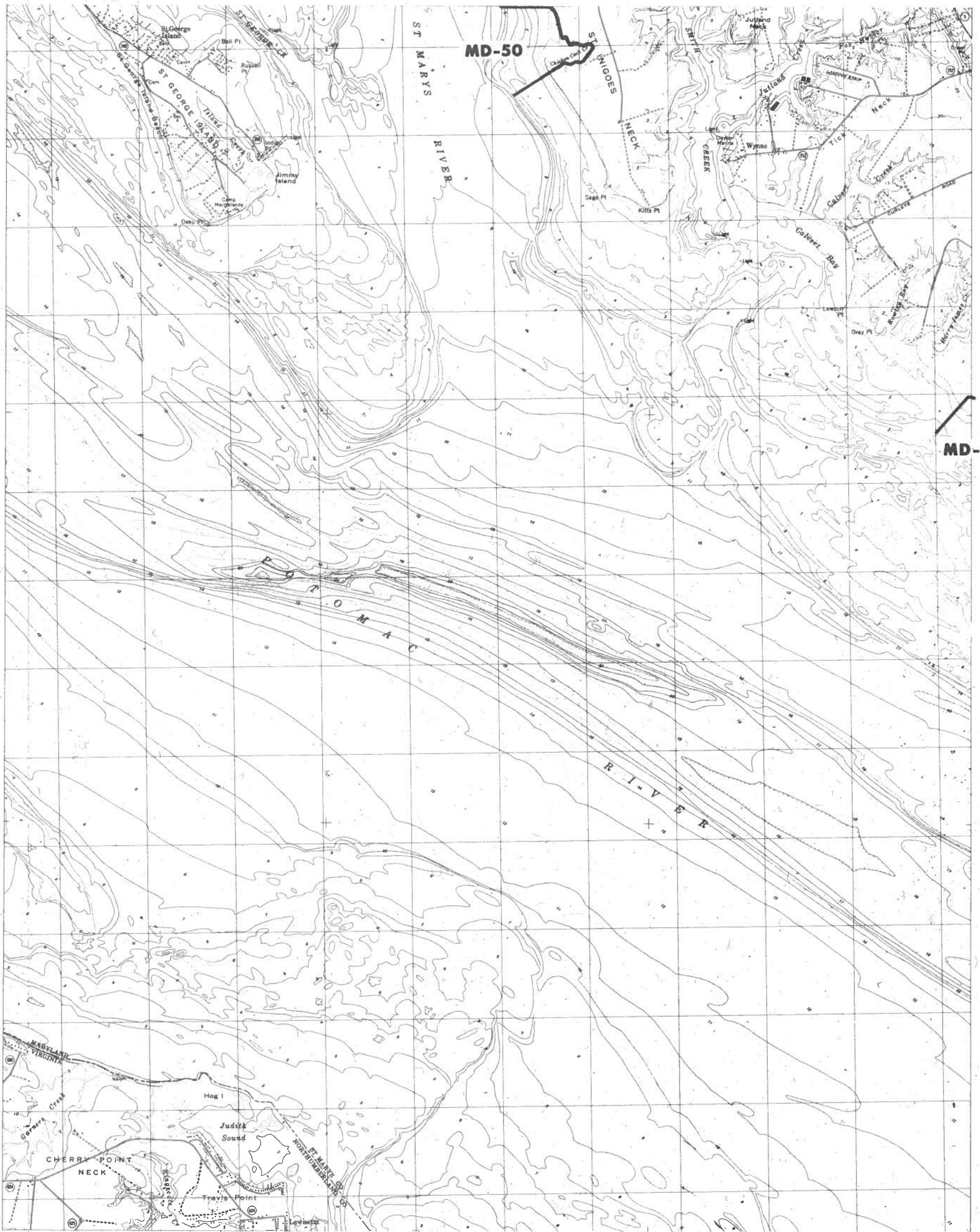
QUADRANGLE
POINT LOOKOUT
MARYLAND



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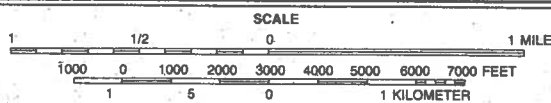


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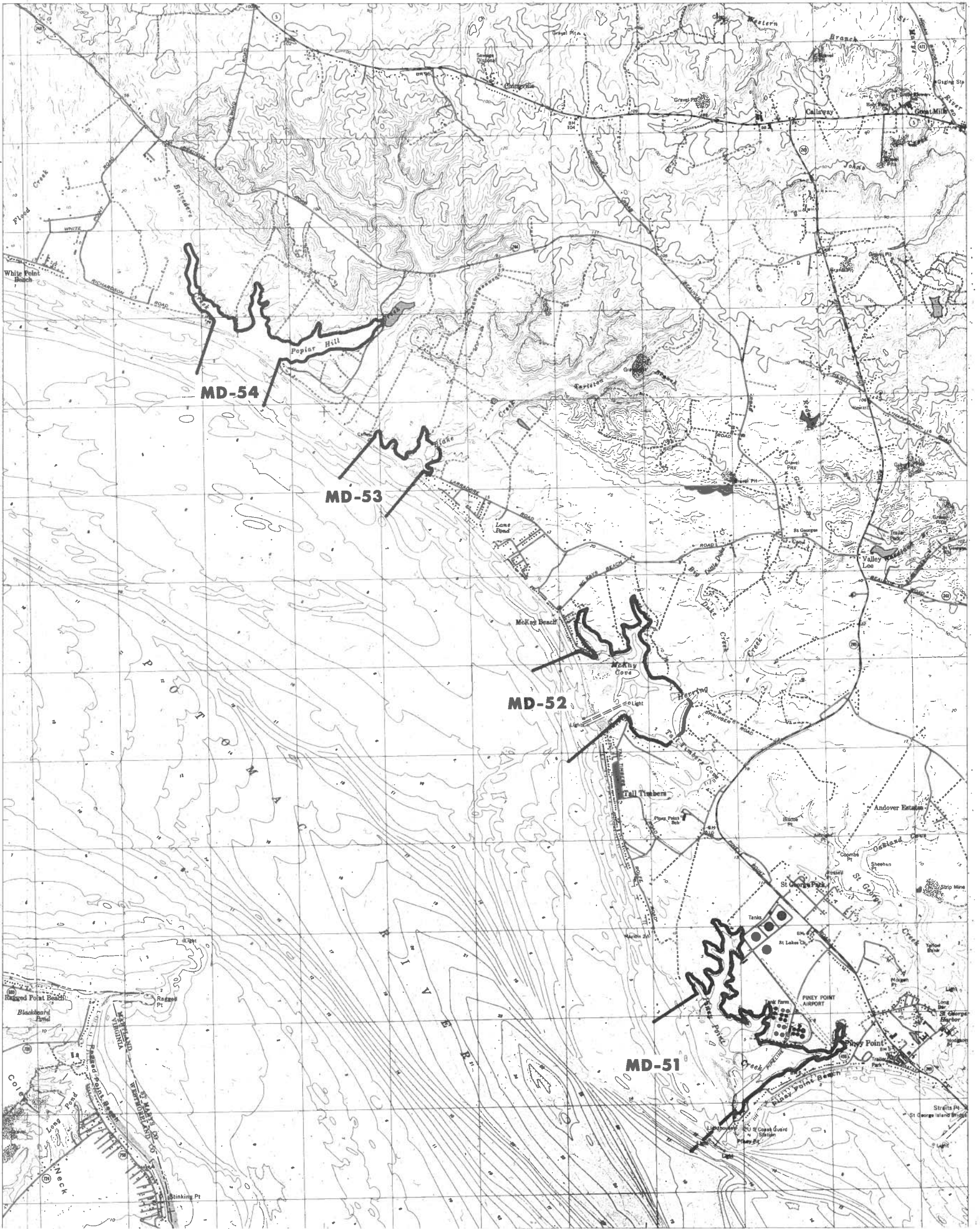
QUADRANGLE
ST. GEORGE ISLAND
MARYLAND



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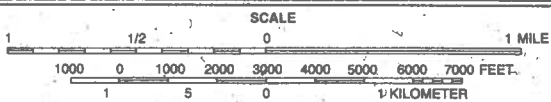


25



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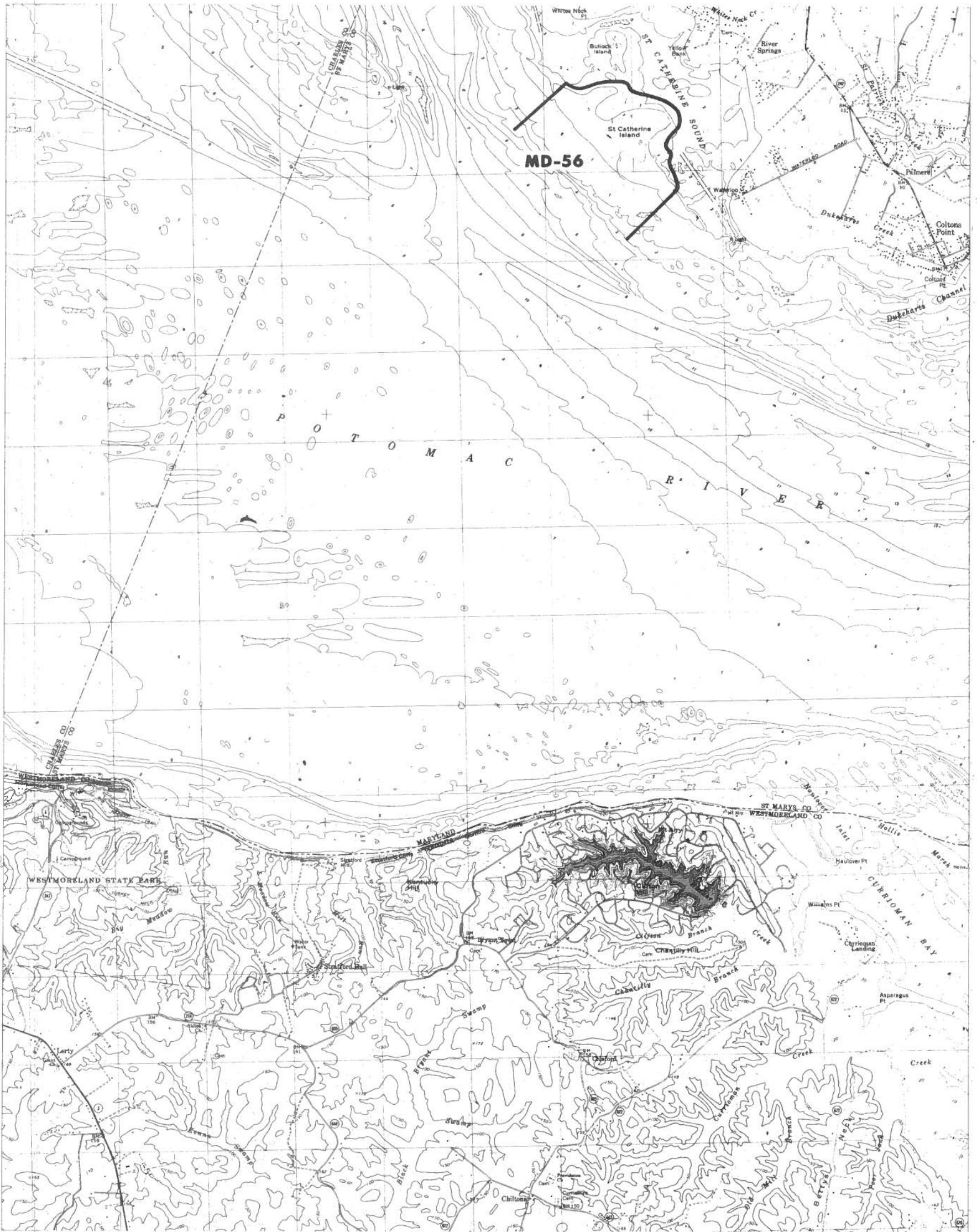
QUADRANGLE
PINEY POINT
MARYLAND



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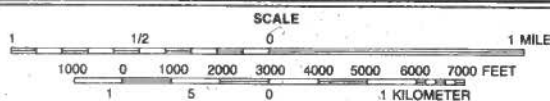


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Report to Congress on the Coastal Barrier Resources System

QUADRANGLE
STRATFORD HALL
MARYLAND



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