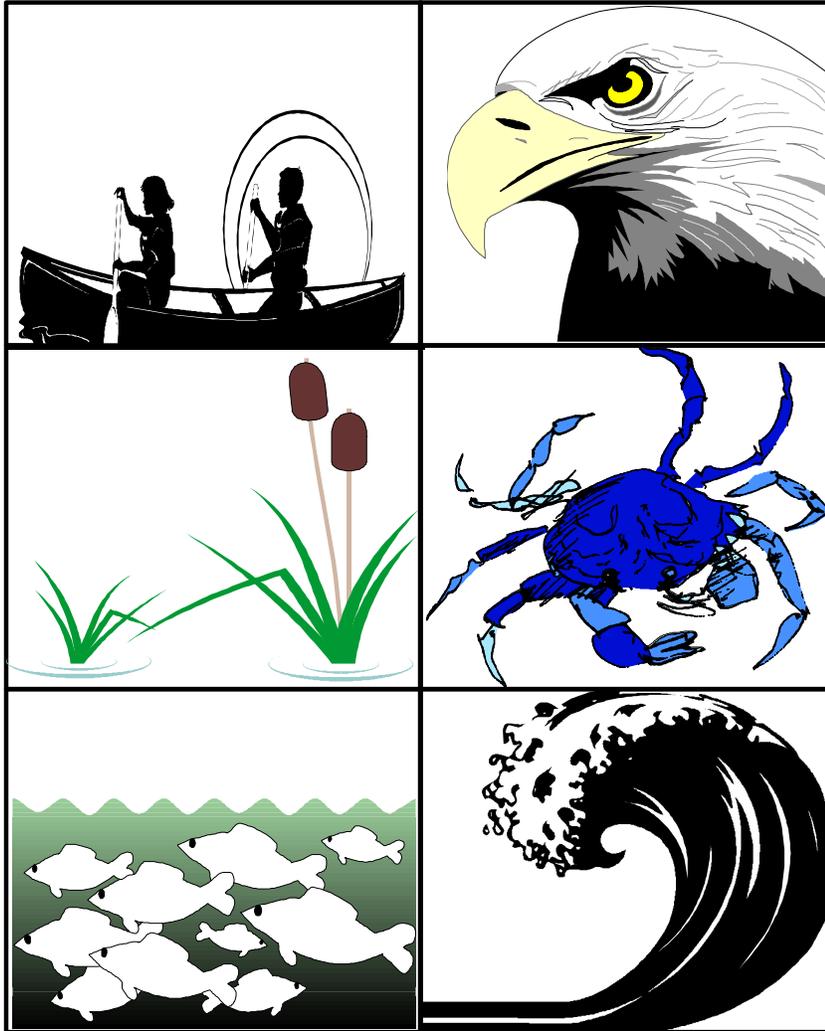


Virginia Coastal Program Projects Catalogue



Issue I
March 1998

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This catalogue is published by the Virginia Coastal Resources Management Program of the Virginia Department of Environmental Quality.

Thank you to all of our all partners and to all grantees of the Program who have provided text and materials for this catalogue.

This catalogue was developed for all agencies, organizations, and individuals interested in coastal resource management issues and activities. We hope that in sharing coastal project information and results, this catalogue will contribute to furthering coordination among Virginia's coastal resources managers and enhance the education of the Virginia's citizens.

This catalogue was 100% funded by the Virginia Coastal Resources Management Program of the Department of Environmental Quality through Grant # NA57OZ0561-01, NA67OZ0360 and NA77OZ0204 of the National Oceanic and Atmospheric Administration, Office of Ocean and Coastal Resource Management, under the Coastal Zone Management Act of 1972, as amended.

The views expressed herein are those of the authors and do not necessarily reflect the views of NOAA or any of its subagencies.



TABLE OF CONTENTS

Virginia's Coastal Environment	i
Virginia Coastal Resources Management Program	ii
Virginia Coastal Program Funding	v
Using the Projects Catalogue	vi

CATALOGUE SECTIONS

 Coastal Technical Assistance	3
 Environmental Management	9
 Habitat & Wildlife Management	21
 Land Acquisition	37
 Local Government Planning/Comprehensive Plans	41
 Public Access: Plans & Construction	49
 Public Education	63
 Shoreline Management	79
 Special Area Management Plans	87
 Water Quality	97
Chesapeake Bay Preservation Act	105
Stormwater & Groundwater Management	111
 Wetlands	117
Appendix - 1992-1996 Projects Lists	123

SPECIAL NOTE: All VIMS phone numbers have been converted to a new exchange - 684 (former exchange was 642). Please use the new VIMS phone numbers given in the project lists. The old exchange is used in the body of the catalogue.

VIRGINIA'S COASTAL ENVIRONMENT

Virginia's "coastal zone" encompasses 44 Tidewater counties and cities and all of the waters therein, and out to, the three mile Territorial Sea boundary. This area includes all of Virginia's Atlantic coast watershed as well as parts of the Chesapeake Bay and Albemarle- Pamlico Sound watersheds. Although only 29 percent of Virginia's land area lies within our coastal zone (Tidewater Virginia), this area is called home by more than 60 percent of the Commonwealth's population. The Virginia shoreline is approximately 5,000 miles in length and includes the four tidal rivers of Virginia (the Potomac, Rappahannock, York, and James), the Chesapeake Bay, into which they drain, and the Atlantic Ocean coastline.

Virginia's coastal area is diverse and extensive, with oceanfront shoreline, estuaries, and tidal rivers, which reach as far as 100 miles inland. Within this area, both natural and cultural features range widely from the wild, undeveloped beaches of the barrier islands to the "hard" shoreline of Hampton Roads' port facilities.

Towns within Tidewater Counties

Ashland	Nassawadox
Belle Haven	Occoquan
Bloxom	Onancock
Bowling Green	Onley
Cape Charles	Painter
Cheriton	Parksley
Claremont	Port Royal
Clifton	Quantico
Colonial Beach	Saxis
Dumfries	Smithfield
Eastville	Surry
Exmore	Tangier
Hallwood	Tappahannock
Haymarket	Urbanna
Herndon	Vienna
Irvington	Warsaw
Kilmarnock	West Point
Melfa	White Stone
Montross	Windsor

VIRGINIA COASTAL RESOURCES MANAGEMENT PROGRAM

The Virginia Coastal Resources Management Program, commonly known as the Virginia Coastal Program, was established in 1986 as a network of existing state laws and policies through which the Commonwealth manages sand dunes, wetlands, underwater lands, fisheries, point and nonpoint source water pollution, air pollution, shoreline sanitation and a variety of other areas of particular concern, including coastal wildlife habitats, coastal public access, waterfront redevelopment, and underwater historic sites.

These laws and policies are administered by:

Virginia Marine Resources Commission (VMRC)

Ocean and bay Fisheries Management, Subaqueous Lands Management, Dunes Management, and Wetlands Management (Dunes and wetlands permitting is carried out by local governments which have adopted dunes and wetlands model ordinances.)

Virginia Department of Environmental Quality (DEQ)

Point Source Water Pollution Control, Air Pollution Control

Virginia Department of Game and Inland Fisheries (DGIF)

Inland Fisheries Management

Virginia Department of Conservation and Recreation (DCR)

Nonpoint Source Pollution Control (Erosion and sediment control permitting is carried out by local governments.)

Virginia Department of Health (VDH)

Shoreline Sanitation

Geographic Areas of Particular Concern

wetlands, spawning/nursery/feeding grounds, coastal primary sand dunes, barrier islands, significant wildlife habitat areas, significant public recreation areas, significant sand and gravel resource deposits, underwater historic resources, highly erodible/high hazard areas, waterfront redevelopment areas

The Department of Environmental Quality (DEQ) serves as lead agency for Virginia's networked Coastal Program and helps agencies and localities to develop and implement coordinated coastal policies.

Having a federally approved Coastal Program also authorizes Virginia to require that federal actions in its coastal zone are consistent with the state's Coastal Program.

Together, Virginia's localities, state agencies and the National Oceanic and Atmospheric Administration (NOAA), Office of Coastal Resource Management form an effective partnership.

Other agencies participating in the Program include the Virginia Department of Historic Resources (DHR), the Chesapeake Bay Local Assistance Department (CBLAD), the Virginia Department of Forestry (DOF), the Virginia Institute of Marine Science (VIMS), and the Virginia Department of Agriculture and Consumer Services (VDACS).

As stated in Executive Order Number Twenty-Four (94), signed by Governor Allen in June 1994, the goals of Virginia's Coastal Resources Management Program include: the prevention of environmental pollution and protection of public health; the prevention of damage to the Commonwealth's natural resource base; the protection of public and private investment in the Coastal Zone; the promotion of resources development and public recreation opportunities; and the provision of technical assistance and information.

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NETWORK AGENCY WEB SITES

Virginia Coastal Program

www.deq.state.va.us/envprog/coastal.html

Department of Environmental Quality

www.deq.state.va.us

Virginia Marine Resources Commission

www.state.va.us/mrc/homepage.htm

Department of Game and Inland Fisheries

www.state.va.us/~dgif/index.htm

Department of Conservation and Recreation

www.state.va.us/~dcr/dcr_home.htm

Department of Health

www.vdh.state.va.us

Department of Historic Resources

www.deq.state.va.us/dhr/dhrwebpg.htm

Chesapeake Bay Local Assistance Department

www.state.va.us/cblad/homepage.htm

Department of Forestry

www.state.us/~dof/dof.htm

Virginia Institute of Marine Science

www.vims.edu

Department of Agriculture and Consumer Services

www.state.va.us/~vdacs/vdacs.htm

FEDERAL PARTNER WEBSITES

Office of Ocean and Coastal Resources Management, NOAA

www.nos.noaa.gov/ocrm/

Chesapeake Bay Office, NOAA

155.206.19.100/ncbohome.htm

Chesapeake Bay Commission

www2.ari.net/cbc/cbc.htm

Chesapeake Bay Program (EPA)

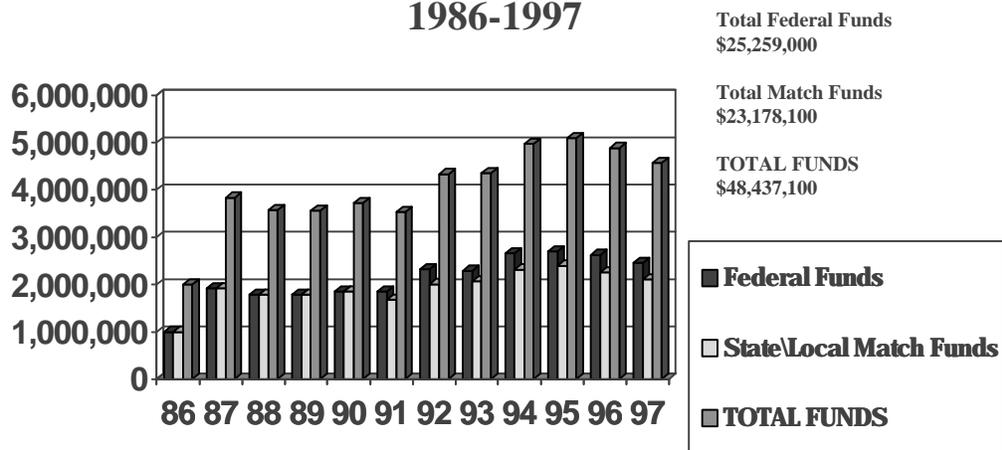
chesapeakebay.net/bayprogram

VIRGINIA COASTAL PROGRAM FUNDING

Virginia receives more than \$2 million annually in federal funds through NOAA's Office of Ocean and Coastal Resource Management under the Coastal Zone Management Act (CZMA) of 1972, as amended. These dollars are equally matched by Virginia's state agencies and local governments.

Virginia has received financial assistance grants under Sections 306, 306A, 308, 309, and 6217 of the CZMA. These funds provide Virginia with the means to carry out its goals of effective protection and careful development of its coastal areas. Section 306 allows funding for the implementation of Virginia's Coastal Program, while Section 306A allows funding for the acquisition of fee simple and other interests in land or low-cost construction projects, i.e. to preserve important natural areas and improve or provide public access through acquisition and/or construction. Section 308 allows funding for projects which are regional in scope including interstate projects; demonstration projects that have the potential for improving coastal management, especially at the local level; emergency grants to address unforeseen or disaster related circumstances; and projects to investigate and apply the public trust doctrine. Section 309 allows match-free funding for coastal zone enhancement projects which create new enforceable policies in any of nine identified areas. Section 6217 allows funding for development of state coastal nonpoint source pollution programs. (Note: not all sections of the Coastal Zone Management Act receive appropriations every year.) These federal funds are made available to state agencies and local governments each fall.

Virginia Coastal Program Funding 1986-1997



USING THE PROJECTS CATALOGUE

This first edition of the Virginia Coastal Program Projects Catalogue contains a compendium of projects that have received funding from the Program since its inception in 1986, concentrating on projects completed since 1992.

Periodically, a catalogue of recently completed projects will be published.

Projects that are summarized in this issue are identified on the 1992 -1996 project lists beginning on page 96. Some projects on these lists are still in progress and will be summarized in future catalogue issues.

Catalogue summaries include a brief description of the completed project, including a discussion of the project's primary goals, relevant background information, and a synopsis of documents or reports which have been published. A contact name and number is provided to facilitate communication and dialogue with project managers. Please make requests for copies of project materials to the contact listed.

SAMPLE ENTRY

Natural Heritage Resources Fact Sheet

Title of project or document:

**Description/goals of project/
description of documents or
reports produced:**

A series of educational fact sheets written and distributed which describe, not only the rarest species, natural communities, and invasive species in the Coastal Zone, but also natural area protection and management tools. These facts sheets are used to promote the conservation of the biological diversity in Virginia's coastal zone, and have been distributed to public and private natural area owners, citizens, localities, natural resource agencies, and conservation organizations. They are also available on the DCR, Natural Heritage web site (www.state.va.us/ndcr/vaher.html).

The topics of the fact sheets include: Rare Natural Environments: Sea-level Fens, seasonal ponds, Turkey Oak Sandhills, Bald Cypress-Water Tupelo Swamp, Pocosins; Natural Area Protection: What is Natural Area Dedication?, What is a Natural Area Management Agreement?, Fire and Natural Areas: An Overview, Natural Area Stewardship; Invasive Alien Plant Species of Virginia: Mile-a-minute, Porcelain-berry, Kudzu, Asiatic Sand Sedge, Tree-of-Heaven.

Agency responsible:

Project contact:

Date reports published:

Grant year/task number:

Virginia Department of Conservation and Recreation
Contact: Kevin Heffernan, Division of Natural Heritage,

804.786.7951

June 1994

1992 Task 2.5

