

Virginia

FY06

COASTAL ZONE MANAGEMENT FUNDING

Mission

To conserve and restore Virginia's coastal resources and support more vital and sustainable coastal communities and ecosystems. To oversee and manage activities that affect Virginia's coastal resources by promoting coordination among coastal localities, coastal resource management agencies, environmental and community organizations and federal partners.

Program Goals and Objectives

- Protect and restore coastal resources, habitats, and species of the Commonwealth.
- Restore and maintain the quality of all coastal waters for human and ecosystem health through protection from adverse effects of excess nutrients, toxics, pathogens, and sedimentation.
- Protect air quality.
- Reduce or prevent losses of coastal habitat, life, and property caused by shoreline erosion, storms, and other coastal hazards in a manner that balances environmental and economic considerations.
- Provide for sustainable wild fisheries and aquaculture.
- Promote sustainable ecotourism and increase and improve public access to coastal waters and shorefront lands compatible with resource protection goals.
- Promote renewable energy production and provide for appropriate extraction of energy and mineral resources consistent with proper environmental practices.
- Ensure sustainable development on coastal lands and support access for water-dependent development through effective coordination of governmental planning processes.
- Avoid and minimize coastal resource use conflicts through research, planning, and a forum for coordination and facilitation among government agencies, interest groups, and citizens.
- Promote informed decision-making by maximizing the availability of up-to-date educational information, technical advice, and scientific data.

Key Accomplishments

- *Enabled state legislation* expanding the reach of the Virginia Coastal Primary Sand Dunes and Beaches Act to include all coastal localities;
- *Created an Internet-based gateway* to Virginia coastal resource data and maps, laws and policies and facts on coastal resource values;
- *Seeded 20 acres of seagrass beds* with more than 1.35 million eelgrass seed on Virginia's Eastern Shore as part of one of the most successful seagrass restoration efforts in the world;
- *Responded to 85 marine mammal strandings and 177 sea turtle strandings*, and rehabilitated and released 10 marine animals; and
- *Established the 285-acre Magothy Bay State Natural Area Preserve (NAP)*

Lead agency: Department of Environmental Quality

Coastal Population in 2000:
4,440,709

Miles of Coastline:
3,315

Ocean & Coastal Economy
in 2004:
\$329,842,858,800*

CZMA Funds:
\$2,803,000

State and Other Matching
Funds:
\$2,267,000

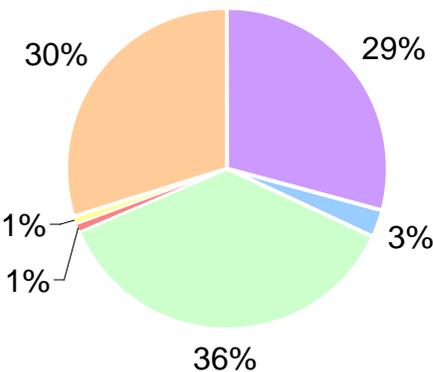
Total:
\$5,070,000



* Based on available data provided by
The National Ocean Economic
Program
<http://noep.mbari.org/>



How was the money spent?



Total Funds
\$5,070,000
 (CZM funds and Match funds)

Coastal Water Quality Protection - \$1,860,141 (36%) {CZM \$304,000}

- Monitored mercury in Dragon Run Watershed through a National Atmospheric Mercury Deposition Network station.
- Convened Virginia/Maryland Living Shorelines Summit to share "green" alternatives to shoreline protection.
- Developed Virginia Network for Education of Municipal Officials (NEMO)
- Arlington County Sewage Treatment Plant upgrades

Community Planning and Development - \$138,173 (3%) {CZM \$123,173}

- Supported York River use conflict policy studies
- Promoted shellfish aquaculture through development of new regulations to protect water quality on Virginia's Eastern Shore.
- Created a biodiesel partnership program between local farmers and area school systems in the Dragon Run watershed.

Public Access - \$38,710 (1%) {CZM \$34,055}

- Created interpretative signage to convey the ecological and economic value of Virginia's seaside resources on the Eastern Shore.

Coastal Hazards - \$50,000 (1%) {CZM \$50,000}

- Assessed Virginia's regulatory approaches to management of dune and beach resources and proposed changes to the process for improved protection.

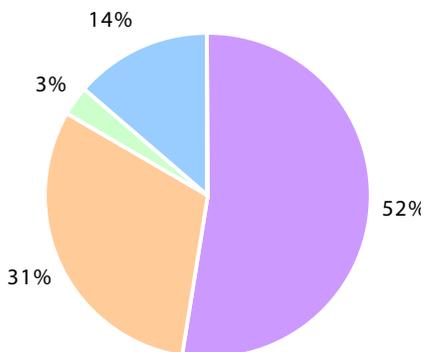
Coordination and Public Involvement - \$1,478,893 (29%) {CZM \$1,191,893}

- Coordinated multi-partner Seaside Heritage Program
- Signed MOU with U.S. FWS and TNC to facilitate protection and management of conservation lands on Virginia Eastern Shore
- Provided outreach to public, including bi-annual magazine *Virginia Coastal Management*.
- Provided training to 586 community educators at 12 professional development workshops
- Added new conservation tool layers to expand Virginia Coastal Geographic and Educational Mapping System

Coastal Habitat Conservation and Restoration - \$1,504,083 (30%) {CZM \$1,099,879}

- Mapped 59,160 acres of SAV in the Chesapeake Bay and its tributaries.
- Treated 150 acres of highly invasive Phragmites at Wallops Island Launch Facility on Virginia's Eastern Shore
- Conducted 345 wetlands permit compliance inspections
- Reviewed 1,143 projects for potential impacts to natural heritage resources
- Drafted revisions to Virginia's Wetland Guidelines to improve wetlands conservation.
- Responded to 262 strandings of marine mammals and sea turtles.

Who received a portion of the funds?



Total Funds
\$2,803,000
 (CZM funds)

State Partners - \$1,469,483 (52%)

- Department of Environmental Quality - Virginia CZM network coordination and outreach; federal consistency reviews
- Virginia Marine Resources Commission - wetlands permit compliance inspections; Eastern Shore oyster reef restoration
- Department of Conservation and Recreation - Eastern Shore land acquisition; invasive Phragmites control/landowner education; locality liaison to protect natural heritage resources

Local Government - \$382,210 (14%)

- Coastal Regional Planning District Commissions - local coastal technical assistance programs
- City of Virginia Beach/Virginia Aquarium and Marine Science Center - stranded marine animal rehabilitation

Other Partners - \$81,173 (31%)

- Environmental Law Institute - Assessment of Off-shore Energy Development Impact Readiness in Virginia
- Virginia Eastern Shorekeeper - shoreline monitoring and protection

Academic Institutions - \$870,134 (3%)

- Virginia Institute of Marine Science - shoreline management research and training for local governments; submerged lands and working waterfront symposia; tidal wetlands management support; SAV mapping and restoration; Virginia Clean Marina Program
- Virginia Commonwealth University - regional economic assessment of shellfish aquaculture
- College of William and Mary - invasive *Phragmites* impact on marsh bird communities
- University of Virginia - public environmental seminar series

OTHER PARTNERS

Middle Peninsula Public Access Authority
 US Fish and Wildlife Service
 The Nature Conservancy
 Chesapeake Bay National Estuarine Research Reserve in VA and MD
 Chesapeake Bay Trust
 Chesapeake Research Consortium

Keith Campbell Foundation
 Maryland CZM Program
 NOAA Chesapeake Bay Office/NOAA Restoration Center
 Virginia Clean Cities
 Virginia Museum of Natural History
 NOAA Fisheries Habitat Conservation Division

FOR MORE INFORMATION

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