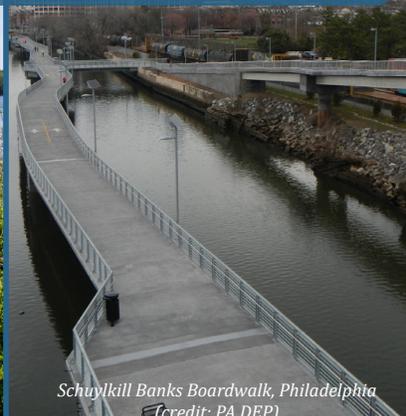


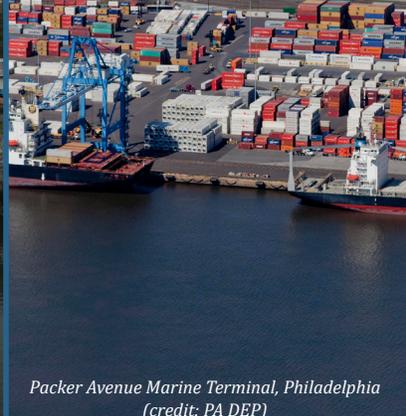
COASTAL MANAGEMENT IN PENNSYLVANIA



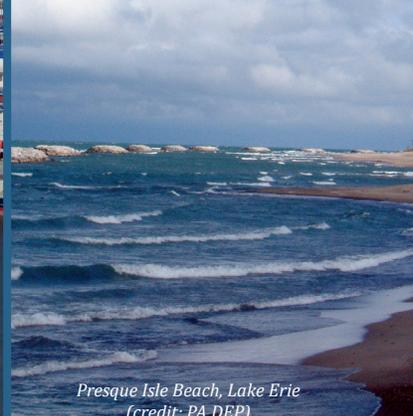
Bristol Marsh Nature Preserve, Bristol
(credit: Heritage Conservancy)



Schuylkill Banks Boardwalk, Philadelphia
(credit: PA DEP)



Packer Avenue Marine Terminal, Philadelphia
(credit: PA DEP)



Presque Isle Beach, Lake Erie
(credit: PA DEP)

The mission of the Pennsylvania Coastal Resources Management Program (CRM) is to protect and enhance fragile natural resources by reducing conflicts between competing land and water uses while representing a comprehensive approach to managing the impacts of development and other activities in its two coastal areas. The Lake Erie Coastal Zone, located within Erie County, extends to the middle of the Lake and inland an average of 1.4 miles. It includes Presque Isle State Park and is one of the state ports for international shipping. The Delaware Estuary Coastal Zone lies within Bucks, Philadelphia, and Delaware Counties, containing islands, marshes and shorelands of tributary streams that are tidally influenced. The combined facilities of the Delaware Estuary comprise the largest freshwater port in the world.

Recent Actions in Support of the Coast

- In the last five years, 4.8 constructed miles of 8 new trails, 7 new access sites, and improvements to 9 existing sites in the Delaware Estuary Coastal Zone. (PA CRM tracking)
- In the Lake Erie Coastal Zone, constructed almost 1 mile of 3 new trails, 8 new access sites, and improvements to 6 existing sites in the last five years. (PA CRM tracking)
- Over 2,000 volunteers collected 3,677 pounds of trash along Lake Erie along 38 miles lake and stream shorelines during the 2017 International Coastal Cleanup. (Data reported to Keep Pennsylvania Beautiful).
- Funding for 8 educational opportunities providing outreach to over 12,000 people in 2017. (Final reports submitted to PA CRM).
- \$6.7 million federal dollars passed through to fund over 200 local projects in the last ten years. (PA CRM tracking)

Priorities Looking Ahead

- To address coastal resiliency and climate change adaptation.
- To enhance Pennsylvania's capacity to manage the natural, recreational, and historic resources of its two geographically distinct coastal zones and coastal watersheds.
- To operate through a network of federal, state and local partners, coordinating public participation and providing funding and technical support for projects that protect, conserve, and enhance coastal resources.
 - To recognize and protect the resources of estuaries and wetlands.

The Pennsylvania Coastal Program manages 77 miles of coastline along Lake Erie and 112 miles along the Delaware Estuary.

A State-Federal Partnership

Pennsylvania has participated in the National Coastal Zone Management Program since 1980. This state-federal partnership is essential to the continued health and economic growth of the state's coastal communities, businesses, and population.

FEDERAL FUNDS: \$1,796,500

STATE AND MATCHING FUNDS: \$1,687,000

TOTAL: \$3,483,500

The Pennsylvania Coastal Resources Management (CRM) Program oversees implementation of the Bluff Recession and Setback program along Lake Erie through technical assistance and oversight of municipal enforcement. Bluff management workshops are held annually for landowners, professionals, and contractors that address BMPs, coastal processes, local regulations, and permitting. The Program also actively monitors fixed control points along the shoreline and develops studies to monitor the rate of bluff erosion. Coordination with local municipalities is managed through a partnership with Erie County Department of Planning.

ADDRESSING COASTAL HAZARDS IN PENNSYLVANIA

Erie County Department of Planning's local partnership with CRM allows municipalities and local agencies to relay valuable information to landowners, realtors, and contractors on the hazards of bluff recession and best practices for managing bluff properties. Long time property owners that work with CRM staff on a regular basis have experienced improvements in their recession rates, thanks to the cooperation between state and local agencies.

- Amy Murdock, Coastal Resource Planner

Since 2000, CRM has provided over \$700,000 to the Schuylkill River Development Corporation (SRDC) and its partners to develop the 8-mile riverfront trail and greenway along the tidal Schuylkill River in Philadelphia. This federal funding investment joins over \$75 million in total completed capital improvements to the trail.

SRDC has benefited greatly from CRM and our partnership with Pennsylvania DEP/NOAA. The program has resulted in the ability to advance key projects and the technical advice and expertise provided by DEP/NOAA has greatly strengthened the product, resulting in greater benefit to the estuary.

- Joseph Syrnick, President & CEO

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