

Maintaining A Vital American Resource: Coastal Zone Management



Coastal zone management balances development and protection of the unparalleled natural resources that support coastal communities and economies. Planning for an uncertain future, coastal management helps protect lives and investments on the coast.

“The Congress finds that there is a national interest in the effective management, beneficial use, protection, and development of the coastal zone.”

- Coastal Zone Management Act of 1972. 16 U.S.C. § 1451 (a)

The Coastal Zone Management Program (CZM Program) is a partnership between the National Oceanic and Atmospheric Administration (NOAA) and coastal states and territories. The State CZM Programs take the lead in managing coastal resources using their expertise, firsthand experience, and close working relationships with local communities to:

- Provide planning, financial, and technical assistance
- Protect natural resources
- Manage development in high hazard areas
- Ensure coastal-dependent uses receive development priority
- Coordinate state and federal actions to create permit and regulatory efficiencies

Leveraging federal support and funding through a state-match requirement, the State, Territory, and NOAA CZM Programs depend on one another to seamlessly deliver the services and resources needed to comprehensively and proactively manage our shared coastal areas. CZM is a voluntary partnership (since 1972) and a successful implementation of cooperative federalism.

Estimates forecast that by 2025, nearly 75% of the population of the United States, over 250 million people, will live within 50 miles of a coast.

Coastal land cover changes twice as fast as the rest of the nation - between 1996 and 2010, an area larger than the state of Florida experienced land use change.

While the coastal counties of the U.S. accounts for less than 10% of U.S. land area, they are home to more than 40% of the population – 124 million people.

Coastal counties are national economic drivers, employing more than 55 million people and generating over \$7.9 trillion toward the nation's gross domestic product (GDP).



Coastal Zone Management

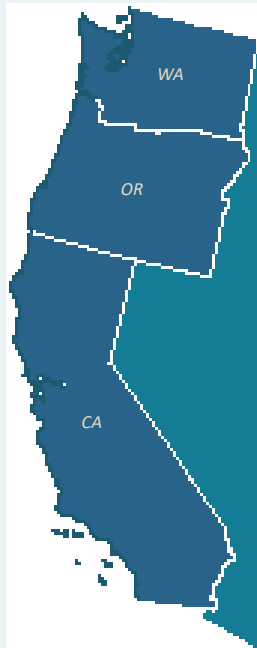
Spanning 95,000 miles of the American landscape, the U.S. coastal zone consists of the Pacific, Atlantic and Gulf coasts as well as the Great Lakes and island coasts. As coastal populations continue to grow and the national demands for energy, seafood, foreign trade, and real estate increase, we rely more and more on the vital resources of our coastal areas.

Coastal zone management is the preservation, maintenance, and development of these vital resources and coordinates and balances the needs of diverse stakeholders. From shipping lanes and ports, to bike lanes and parks, our coasts provide resources for a vast range of competing interests vital to our way of life. Continued collaboration and strategic planning helps ensure that our coasts keep pace with these demands.

By maintaining our coasts through a long-term, strategic approach — and collaborating between local, state and federal agencies — coastal zone management facilitates sustainable growth and development, and plans for an uncertain future helping protect lives and investments on the coast.

COASTAL HAZARDS

The coastal zone combines dense development and critical infrastructure in an area prone to flooding and exposed to severe weather. Hurricanes, king tides, tsunamis, erosion, and storm surge can all damage coastal infrastructure, impede commerce, and take lives. CZM Programs provide funding, technical assistance, planning, and implementation support for coastal communities to reduce disaster impacts, saving lives and money and defending a robust national economy from evolving coastal hazards.



Commonwealth
of the
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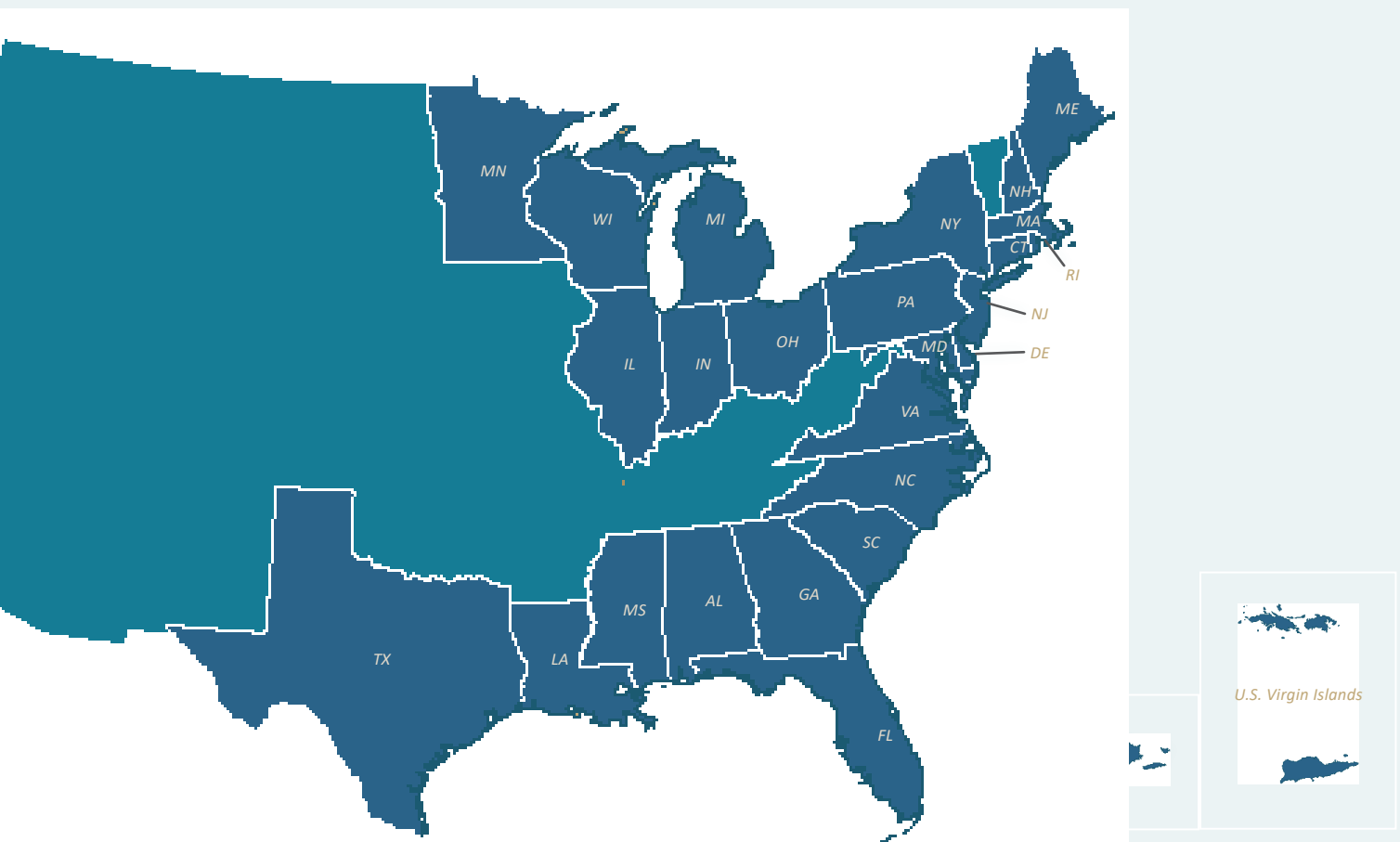


LIVING RESOURCES

CZM Programs manage the vital living resources that sustain our coastal economies through ecosystem conservation and management with prudent coastal development – ranging from working with industry to plan and site innovative aquaculture projects, to protecting the estuarine habitats that sustain offshore fisheries, to conserving the coral reefs and beaches that drive coastal tourism.

COASTAL ECONOMIES

State and Territory CZM Programs provide funding, planning support, technical assistance, and critical interagency coordination services for coastal communities to improve public access, restore natural coastal systems, and plan for multiple use of coastal resources. In each state and territory, these programs balance consumptive use with conservation to improve quality of life and economic vitality.



In FY 2017, states and territories matched over \$56.9 million in investment in the CZM Program.

\$306.2 billion – cumulative cost of the 16 separate billion-dollar weather events in the U.S. in 2017.

\$3.4 billion – annual savings due to mitigation programs' more stringent building code requirements.

149,000 businesses employed more than 3 million people in ocean related jobs in 2014.

Sources:

- 5-yr-summary-available-2009-2013.html
value.html

- NOAA OCM, Fast Facts - Economics and Demographics, coast.noaa.gov/states/fast-facts/economics-and-demographics.html
- Billion-Dollar Weather and Climate Disasters – www.ncdc.noaa.gov/billions/overview



Coastal Hazards

Fast-tracking post-storm permitting and supporting recovery.

The South Carolina Department of Health and Environmental Control (DHEC) Office of Ocean and Coastal Resource Management hit the ground running after Hurricane Matthew slammed the state's coast, causing nearly \$341 million in damages. Within two weeks, DHEC coastal specialists evaluated 1,466 sites and issued more than 200 emergency permits for structure repair. DHEC emergency orders enabled residents to use sand bags, sand scraping, and beach nourishment for oceanfront protection. For structures damaged beyond repair, the program offered technical engineering assistance to complete assessments and guide property owners through regulatory processes for rebuilding or, in the case of erosion-control structures, removal.



Living Resources

Collaboration in developing science-based planning tools for aquaculture.

Washington's Coastal Zone Management Program, since 2011, has worked with local government partners, the shellfish aquaculture industry, federal government, Tribes, and non-government entities to implement the Washington Shellfish Initiative. This initiative is designed to restore and expand the state's shellfish resources through environmentally responsible planning and regulations. The CZM Program also participates in the Shellfish Interagency Permitting Team of regulators that works to improve the timeliness of permit decisions while ensuring regulatory compliance. The Program was instrumental in establishing a state aquaculture coordinator position and developing products that improve the permit application process. The Program also published guidance for local aquaculture polices and regulations in 2015 to improve regulatory consistency and effectiveness, and is updating that guidance in 2018.



Coastal Economies

Securing the economic vitality of working waterfronts.

The Virginia Coastal Zone Management Program, using CZMA funds and in partnership with government and private sector participants, developed a working waterfront master plan that led to the passage of several bills supporting the waterfront. Additionally, cities and counties are using the plan information to bolster their own comprehensive plans and zone designations. Gloucester County, for instance, created an economic development plan establishing a "working waterfronts district" designation. In 2012, Virginia's 600 working waterfronts represented the third-largest producer of marine products in the nation, with a dockside value of \$192 million. Virginia's master plan addressed threats to long-term viability of work waterfronts including: an aging workforce, competition for waterfront land, problems with both water quality and water use, and more frequent and severe floods and storms. The funds invested ensure a high return on investment and long-term sustainability of the area.

The Coastal States Organization

The Coastal States Organization (CSO) is a nonprofit organization that represents the Governors of the nation's coastal states and territories. CSO works closely with governor-appointed delegates, most often the head of the coastal zone management programs in each of the coastal states, to support their work to maintain the health and vitality of our coasts.



Coastal States Organization

50 F Street, NW,
Suite 570
Washington, DC 20001
(202) 800-0580
www.coastalstates.org