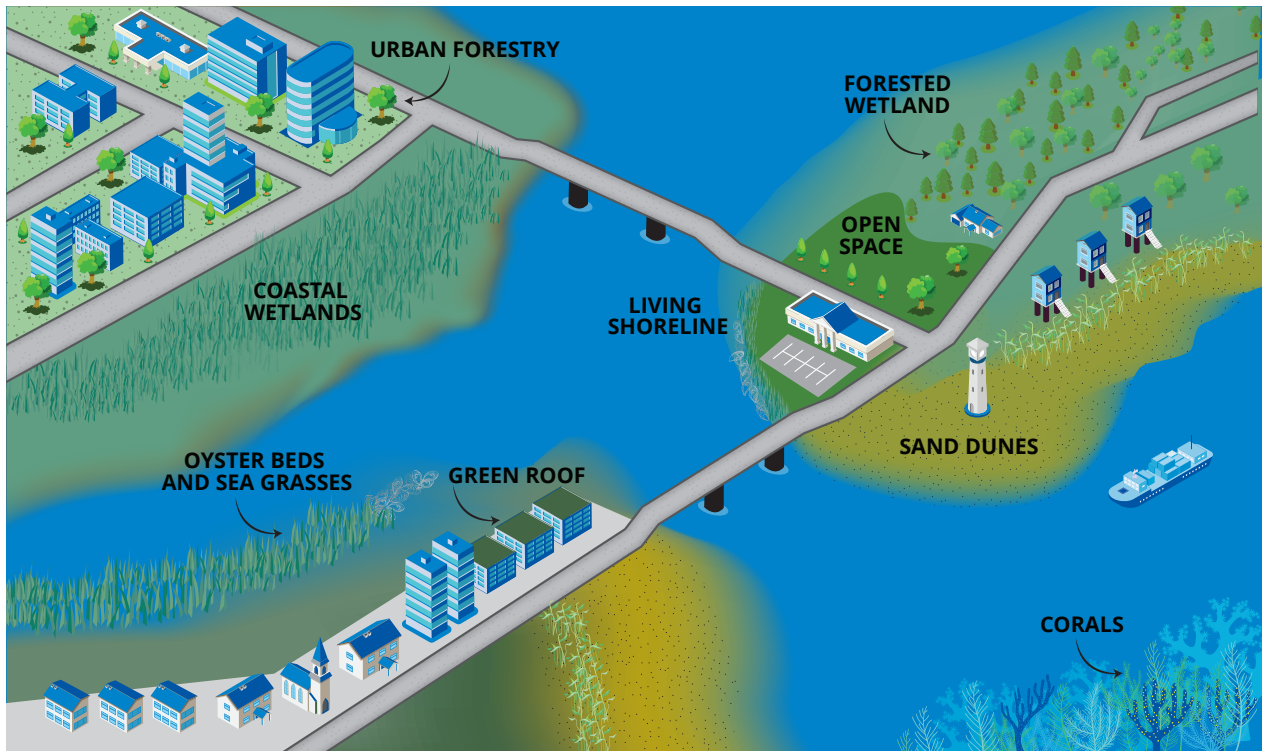


NATURAL INFRASTRUCTURE RESOURCES



NOAA encourages communities to incorporate natural infrastructure into their planning efforts. Natural infrastructure, also referred to as green infrastructure and nature-based solutions, uses existing natural areas (and engineered solutions that mimic natural processes) to minimize flooding, erosion, and runoff.

View a list of resources on the reverse of this page.

Additional benefits include:

- Recreational opportunities
- Wildlife habitat
- Cleaner water
- Cultural services

Learn more: coast.noaa.gov/digitalcoast/topics/green-infrastructure.html



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Understand the Basics

Nature-Based Solutions for Coastal Hazards: The Basics

Learn an approach to identifying your community's ecosystem services and green infrastructure practices that provide critical services.

coast.noaa.gov/digitalcoast/training/nbs-basics.html

Nature-Based Solutions for Coastal Hazards (Training)

Attend in-person or virtual training to discuss key nature-based solutions and implementation steps, and hear from experts in the field.

coast.noaa.gov/digitalcoast/training/green.html

Green Infrastructure Effectiveness Database

Discover literature documenting the effectiveness, as well as cost and benefits, of various green infrastructure techniques.

coast.noaa.gov/digitalcoast/training/gi-database.html

Measures for Shoreline Stabilization

Get information on a continuum of green to gray shoreline stabilization techniques.

coast.noaa.gov/digitalcoast/training/living-shorelines.html

Analyze the Landscape

Land Cover Atlas

Use land cover data to identify existing green infrastructure and see how it has changed over time. Data are also available for download.

coast.noaa.gov/digitalcoast/tools/lca.html

Coastal Flood Exposure Mapper

Map people, places, and natural resources exposed to coastal flooding.

coast.noaa.gov/digitalcoast/tools/flood-exposure.html

Sea Level Rise Viewer

Use the “marsh migration” tab to see how wetlands in your area are impacted by sea level rise.

coast.noaa.gov/digitalcoast/tools/slr.html

Lake Level Viewer (U.S. Great Lakes)

View lake level changes in the Great Lakes to see potential shoreline and coastal impacts.

coast.noaa.gov/digitalcoast/tools/llv.html

Prioritize Options

Assessing Green Infrastructure Costs and Benefits

Discover the six-step process for analyzing green infrastructure techniques.

coast.noaa.gov/digitalcoast/training/gi-cost-benefit.html

Nature-Based Solutions: Benefits, Costs, and Economic Assessments

Use these three quick references to gain information and tips about green infrastructure practices.

coast.noaa.gov/digitalcoast/training/gi-practices-and-benefits.html

Explore Economic Approaches

Funding and Financing Coastal Resilience

Learn about the variety of options available to fund and finance coastal resilience projects in a handout, or participate in webinars that bring experts together to discuss options.

coast.noaa.gov/digitalcoast/training/financing-resilience.html

coast.noaa.gov/digitalcoast/training/funding-webinars.html

Economic Guidance for Coastal Managers

Participate in a webinar and access a self-paced online module to learn about economic assessment approaches.

coast.noaa.gov/digitalcoast/training/econ-guidance.html

Learn more: coast.noaa.gov/digitalcoast/topics/green-infrastructure.html



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