













NH COASTAL VIEWER LAYER LIST

January 8, 2026

The NH Coastal Viewer presents data from map services published by a number of organizations, including NH GRANIT as well as various state and federal agencies. The following symbols are used to identify the organization publishing and maintaining each service:

-  NH GRANIT, University of New Hampshire
-  New Hampshire Department of Environmental Services
-  NH Fish & Wildlife Service, Great Bay National Estuarine Research Reserve
-  NH SADES
-  Maine Department of Inland Fisheries and Wildlife
-  FEMA Federal Emergency Management Agency
-  US National Oceanic and Atmospheric Administration
-  US Park Service
-  IdUS Fish & Wildlife Service
-  ESRI

Layers listed using this font are raster data.

Please note that the availability and functionality of each service is the responsibility of the publishing organization.

Data Notes:







1. The Coastal Viewer focuses on the coastal watershed of New Hampshire. Some data sets may extend beyond the watershed, while others are restricted to just the watershed geography. If you are interested in mapping regions beyond coastal NH, please visit [GRANITView](#) – a statewide mapping site maintained by GRANIT.
2. Tip: to quickly find a specific layer from this list in the Viewer, find the Search box at the top of the Layer List and begin typing a layer name in the text box. A subset of layers matching your text (from within the selected Theme) will be displayed.
3. **Operational Layers** refer to map layers that are pre-loaded when the site is opened. **Additional Layers** refers to data sets that are not automatically included in the site, but can be added as the user desires. Use the Add Data tool in the Coastal Viewer to add these data, and/or to add any of the Operational Layers to a Theme map.

The following presents the organizational layout and layers available in the NH Coastal Viewer.


































CONTENTS

- [Operational Layers](#)
- [Additional Layers](#)











 **Administrative and Political Boundaries**


-  City/Town
-  Coastal Zone Management Act Boundary
-  **NH Parcel Mosaic**
 -  Parcels – polygons
 -  Parcels – points
 -  Additional lines

 **Biology and Ecology**







-  NWIPlus
-  **Shellfish**
 -  **Natural and Restored Shellfish Areas**
 -  Current Shellfish Beds
 -  Oyster Restoration Sites
 -  **Historic Shellfish Sites**
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 -  Softshell Clams 1985
 -  Softshell Clams 2006
 -  Softshell Clams 2008
 -  Oysters 1982
 -  Oysters 1985
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 -  Oysters 2001
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 -  Oysters 2004-2006
 -  Oysters 2008
 -  Oysters 2012
 -  Shellfish Aquaculture
 -  Shellfish Water Classification
-  Intertidal Rockweed Distribution
-  **Eelgrass**
 -  2023
 -  2022
 -  2021
 -  2019
 -  2015
 -  2010
 -  2005
 -  2000
 -  1995
 -  1990
 -  1986


 **Cultural Society and Demographic**

-  Access Sites to Public Waters
-  Libraries
-  Hospitals
-  Police and Fire Stations
-  Schools (K-12)
-  Places of Interest
-  Recreation Areas
-  *Recreational Boater Route Density*
-  *Vessel Activity 2012*
-  2010 Census

-  *Population by Census Block (# persons)*
-  *Social Vulnerability Index by Census Tract*







Environment and Conservation

-  Conservation and Public Lands
 -  CPL: Protection Level
 -  CPL: Agency Type
 -  CPL: Primary Protection Type
 -  CPL: Management Status
 -  CPL: Gap Status

-  Designated Rivers

Fluvial Geomorphology

Geomorphic Data

-  Geomorphic Features
-  Road Encroachments
-  Railroad Encroachments
-  Channel Straightening
-  State Impact Metrics
-  Fluvial Erosion Hazard Zones








Wildlife Action Plan

-  *Highest Ranked Wildlife Habitat*
-  *Wildlife Habitat Land Cover*
-  ME Beginning with Habitat - Focus Areas

Other Wildlife Data

-  Wildlife Corridor
-  Prioritized Habitat Block
-  *Resilient and Connected Network*
-  *Planning Trails for People and Wildlife*

Land Use

-  2015 Southeast Region Land Use
-  1998 Rockingham County Land Use
-  1998 Strafford County Land Use
-  1974 Rockingham County Land Use
-  1974 Strafford County Land Use
-  1962 Rockingham County Land Use
-  1962 Strafford County Land Use

Impervious Cover

-  *Impervious Cover 2021*
-  *Impervious Cover 2015*

Land Conservation Plan

-  Study Area Boundary
-  Coastal Conservation Focus Areas – 2021
-  Coastal Priority Agricultural Resources - 2021
-  Conservation Focus Areas – 2006 (NH)
-  Conservation Focus Areas – 2010 (ME)
-  **Water Resources Conservation Focus Areas – 2016 Update**
 -  *Flood Storage and Risk Mitigation*
 -  *Pollutant Attenuation*
 -  *Public Water Supply*
 -  *Areas Likely to Provide Single Benefits*
 -  *Areas Likely to Provide Multiple Benefits*

Geological and Geophysical

-  Soil Series
-  Surficial Geology

Inland Water Resources

 Dam Inventory

 Ditches in the Great Bay and Hampton – Seabrook Estuaries

Floodplains

[FEMA](#) Cross Sections

[FEMA](#) Base Flood Elevations

[FEMA](#) Flood Hazard Boundaries

[FEMA](#) Flood Hazard Zones

[FEMA](#) High Water Marks

Surface Water

 Streams Centerlines


 Water Bodies


 Other Water Features


Shoreline Buffer Zones


Perennial Streams


 50-foot Zone

 100-foot Zone

 150-foot Zone


 200-foot Zone


 250-foot Zone


 300-foot Zone


Intermittent and Perennial Streams


 50-foot Zone

 100-foot Zone

 150-foot Zone

 200-foot Zone

 250-foot Zone

 300-foot Zone

Watershed Boundaries

 HUC 8

 HUC 12

 Aquifer Transmissivity

Location and Geodetic Network


 Geodetic Control Points

 Boundary Monument Points

Oceans and Coasts


 Dunes

 Coastal Beaches

 Shoreline Structure Inventory

 Salt Marsh Restoration Opportunities

Predicted Marsh Migration

 [SLAMM 2022 - Initial Conditions](#)

 [SLAMM 2022 - 0.3-m SLR at Year 2050](#)

 [SLAMM 2022 - 0.5-m SLR at Year 2050](#)

 [SLAMM 2022 - 0.75-m SLR at Year 2100](#)

 [SLAMM 2022 - 1.2-m SLR at Year 2100](#)

 [SLAMM 2022 - 1.5-m SLR at Year 2100](#)

Sea Level Rise Scenarios







 [MHHW Baseline](#)

 [MHHW + 1-ft SLR](#)

 [MHHW + 2-ft SLR](#)





 [MHHW + 4-ft SLR](#)

 [MHHW + 6-ft SLR](#)

-  [MHHW + 8-ft SLR](#)
-  [MHHW + 1% Storm Surge Baseline](#)
-  [MHHW + 1% Storm Surge + 2-ft SLR](#)
-  [MHHW + 1% Storm Surge + 4-ft SLR](#)
-  [MHHW + 1% Storm Surge + 6-ft SLR](#)
-  [MHHW + 1% Storm Surge + 8-ft SLR](#)

Beach Shoreline Change

























Historic Shorelines

-  May, 2015
-  April, 1992
-  April, 1973
-  January, 1953
-  January, 1934
-  July, 1867

Beach Elevation Change (meters)

-  [December, 2013 minus September, 2011](#)
-  [December, 2013 minus May, 2011](#)
-  [December, 2013 minus September, 2000](#)
-  [May, 2011 minus July, 2010](#)
-  [July, 2010 minus June, 2007](#)
-  [June, 2007 minus September, 2000](#)

Groundwater Modeling

-  Groundwater Rise Modeled Areas
-  Groundwater Rise Caused by 1-ft SLR
-  Groundwater Rise Caused by 2-ft SLR
-  Groundwater Rise Caused by 4-ft SLR
-  Groundwater Rise Caused by 6-ft SLR
-  Groundwater Rise Caused by 8-ft SLR
-  Groundwater Depth
 -  Groundwater Depth less than 5 feet (No SLR)
 -  Groundwater Depth less than 10 feet (No SLR)
 -  Groundwater Depth less than 15 feet (No SLR)
-  Groundwater Vulnerability
 -  Groundwater Depth less than 5 feet (No SLR)
 -  Groundwater Depth less than 10 feet (No SLR)
 -  Groundwater Depth less than 15 feet (No SLR)
-  Saltwater Intrusion
 -  Vulnerable areas (GWD less than 5 feet) with 1 foot of SLR
 -  Vulnerable areas (GWD less than 5 feet) with 2 feet of SLR
 -  Vulnerable areas (GWD less than 5 feet) with 4 feet of SLR
 -  Vulnerable areas (GWD less than 5 feet) with 6 feet of SLR
 -  Vulnerable areas (GWD less than 5 feet) with 8 feet of SLR
 -  Vulnerable areas (GWD less than 10 feet) with 1 foot of SLR
 -  Vulnerable areas (GWD less than 10 feet) with 2 feet of SLR
 -  Vulnerable areas (GWD less than 10 feet) with 4 feet of SLR
 -  Vulnerable areas (GWD less than 10 feet) with 6 feet of SLR
 -  Vulnerable areas (GWD less than 10 feet) with 8 feet of SLR

High Resolution Tidal Wetlands

-  High Resolution Tidal Wetlands in Detail
-  High Resolution Tidal Wetlands







Living Shoreline Suitability Index Number

Coastal Erosion Hazard Areas

- [FEMA](#) Low Sea Level Rise Scenario
- [FEMA](#) Intermediate Low Sea Level Rise Scenario
- [FEMA](#) Intermediate Sea Level Rise Scenario
- [FEMA](#) High Sea Level Rise Scenario

Transportation Networks








Public Roads

-  Bridges
-  Interstates
-  Turnpikes
-  US Routes
-  State Routes
-  Local Roads

Seacoast Vulnerability Assessment




-  Prioritized Seacoast Road Segments

Stream Crossings









-  Geomorphic Compatibility
-  Aquatic Organism Passage Compatibility
-  Hydraulic Capacity Scores
-  10 yr Return Period
-  25 yr Return Period
-  50 yr Return Period
-  100 yr Return Period

Tidal Stream Crossings







Overall Scores

-  Tidal Stream Crossings: Overall Combined Score
-  Tidal Stream Crossings: Overall Infrastructure Score
-  Tidal Stream Crossings: Overall Ecological Score







Tidal Crossing Component Scores

-  Tidal Stream Crossings: Crossing Condition
-  Tidal Stream Crossings: Tidal Restriction Overall
-  Tidal Stream Crossings: Tidal Aquatic Organism Passage
-  Tidal Stream Crossings: Salt Marsh Migration Potential
-  Tidal Stream Crossings: Vegetation Comparison
-  Tidal Stream Crossings: Inundation Risk to Roadway
-  Tidal Stream Crossings: Inundation Risk to Crossing Structure
-  Tidal Stream Crossings: Inundation Risk to Low Lying Development

Tidal Crossing Attributes

-  Tidal Stream Crossings: Condition Attributes
-  Tidal Stream Crossings: Site Attributes
-  Tidal Stream Crossings: Tide Gate Attributes
-  Tidal Stream Crossings: Desktop Assessment Attributes
-  Tidal Stream Crossings: Replacement History Attributes
-  Tidal Stream Crossings: Summary Sheets

Coastal Restoration Database

-  Dune Restoration
-  Eelgrass Restoration
-  Living Shoreline
-  Oyster Restoration
-  River Restoration
-  Salt Marsh Restoration

Utilities and Communication

-  Cell Towers
-  Transmission/Pipelines
-  National Pollutant Discharge Elimination System (point sources)

Elevation

-  LiDAR derived 10-foot Contours
-  LiDAR derived 2-foot Contours

- 📁 **Regional LiDAR**
 - 📁 *Shaded Relief*
 - 📁 *Digital Elevation*

- 📁 **Basemaps/Imagery**

- 📁 **Regional Orthophotography**

- 📁 *Coastal 2019 1-foot RGB*
 - 📁 *Coastal 2019 1-foot CIR*
 - 📁 *Coastal 2017 1-foot RGB*
 - 📁 *Coastal 2017 1-foot CIR*
 - 📁 *Coastal 2016 1-foot RGB*
 - 📁 *Coastal 2016 1-foot CIR*
 - 📁 *Coastal 2013 1-foot RGB*
 - 📁 *Coastal 2013 1-foot CIR*
 - 📁 *Regional 2010 6-inch RGB*
 - 📁 *Regional 2010 6-inch CIR*
 - 📁 *Regional 2005 1-foot RGB*
 - 📁 *Regional 2005 1-foot CIR*
 - 📁 *Regional 1974 panchromatic*
 - 📁 *Regional 1962 panchromatic*

- 📁 **Statewide Orthophotography**

- 📁 *NH 2015 1-foot RGB*
 - 📁 *NH 2015 1-foot CIR*
 - 📁 *NH 2010/2011 1-foot RGB*
 - 📁 *NH 2010/2011 1-foot CIR*
 - 📁 *NH NAIP 2014 RGB*
 - 📁 *NH NAIP 2014 CIR*
 - 📁 *NH NAIP 2009 RGB*
 - 📁 *NH NAIP 2003 RGB*
 - 📁 *NH DOQs 1992/98*

- Base Maps**

- 📁 2021/2022 Statewide Orthos
 - ESRI Basemaps

ADDITIONAL LAYERS

Biology and Ecology

Eelgrass

-  2017
-  2016
-  2014
-  2013
-  Kappa 2013
-  2012
-  2011
-  2009
-  2008
-  2007
-  2006
-  2004
-  2003
-  2002
-  2001
-  1999
-  1998
-  1997
-  1996
-  1994
-  1993
-  1992
-  1991
-  1989
-  1988
-  1987

Imagery and Base Maps

Statewide Orthophotography

-  *NH NAIP 2021 RGB*
-  *NH NAIP 2016 RGB*
-  *NH NAIP 2016 CIR*
-  *NH NAIP 2012 RGB*
-  *NH NAIP 2012 CIR*
-  *NH NAIP 2011 RGB*
-  *NH NAIP 2011 CIR*
-  *NH NAIP 2008 RGB*