







## NH Coastal Viewer Layer List

February 24, 2017

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
-  US National Oceanic and Atmospheric Administration
-  US Park Service
- Bing and Esri

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, click “Filter ...” at the lower right 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.

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




### **Operational Layers**

#### **Administrative and Political Boundaries**













-  City/Town
-  Isles of Shoals
-  Coastal Zone Management Act Boundary
-  NH Parcel Mosaic
  -  Polygons
  -  Attributes for additional lines
  -  Additional lines

#### **Biology and Ecology**















-  National Wetlands Inventory
-  Shellfish Aquaculture
-  Shellfish Water Classification
-  **Shellfish Resources**
  -  Current Shellfish Beds
  -  Shellfish Restoration Sites
-  **Historic Shellfish Resources**
  -  Surf Clams
  -  **Softshell Clams**
    -  Softshell Clams 1982

-  Softshell Clams 1985
-  Softshell Clams 2006
-  Softshell Clams 2008


















### **Oysters**

-  Oysters 1982
-  Oysters 1985
-  Oysters 1997
-  Oysters 2001
-  Oysters 2003
-  Oysters 2004-2006
-  Oysters 2005
-  Oysters 2006
-  Oysters 2008
-  Oysters 2012
-  Seafloor Habitats
-  Temporal Eelgrass

### **Cultural Society and Demographic**

-  Access Sites to Public Waters
-  Airports
-  Libraries
-  Hospitals
-  National Register of Historic Places
-  Police and Fire Stations
-  Schools (K-12)
-  Places of Interest
-  Population by Census Block 2010
-  Recreational Boater Activities
-  Recreational Boater Route Density
-  Recreational Inventory Areas
-  Social Vulnerability Index by Census Tract 2010
-  Vessel Activity 2012

### **Environment and Conservation**


-  Conservation and Public Lands
-  Designated Rivers
-  **Fluvial Geomorphology**
  -  **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
-  **Other Geomorphic Data**
  -  Geomorphic Features
  -  Road Encroachments
  -  Railroad Encroachments
  -  Channel Straightening
  -  State Impact Metrics

 **Wildlife Action Plan**

-  WAP 2015: Highest Ranked Habitat by Condition
-  WAP 2015: Wildlife Habitat Land Cover

 **Land Use**

-  2015 Southeast Mosaic
-  2010 Rockingham RPC
-  2010 Southern NH RPC
-  2010 Strafford RPC
-  1998 Rockingham County
-  1998 Strafford County
-  1974 Rockingham County
-  1974 Strafford County
-  1962 Rockingham County
-  1962 Strafford County




 **Impervious Cover – Best Available Data**

-  2015
-  2010

 **Land Conservation Plan**

-  Study Area Boundary
-  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




 **Single and Multi-Benefit Areas**

-  Areas Likely to Provide Single Benefits
-  Areas Likely to Provide Multiple Benefits





 **Geological and Geophysical**

-  Soil Series
-  Surficial Geology




 **Inland Water Resources**

-  Ditches in the Great Bay Estuary
-  Ditches in the Hampton-Seabrook Estuary
-  Dam Inventory

 **Floodplains**

-  Cross Sections
-  Base Flood Elevations
-  Flood Hazard – Lines
-  Flood Hazard – Areas

 **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**

- 📁 Initial Conditions (2014)
- 📁 **Scenario 1 (0.5-meter rise by 2100)**

- 📁 Predicted Marsh Migration 2100
- 📁 Predicted Marsh Migration 2075
- 📁 Predicted Marsh Migration 2050
- 📁 Predicted Marsh Migration 2025

- 📁 **Scenario 2 (1.2-meter rise by 2100)**

- 📁 Predicted Marsh Migration 2100
- 📁 Predicted Marsh Migration 2075
- 📁 Predicted Marsh Migration 2050
- 📁 Predicted Marsh Migration 2025

- 📁 **Scenario 3 (2-meter rise by 2100)**

- 📁 Predicted Marsh Migration 2100
- 📁 Predicted Marsh Migration 2075
- 📁 Predicted Marsh Migration 2050
- 📁 Predicted Marsh Migration 2025

📁 **Sea Level Rise Predictions**

- 📁 2050 High Emissions Scenario (1.7' SLR) MHHW
- 📁 2050 High Emissions Scenario (1.7' SLR) with 100-year flood
- 📁 2100 Intermediate-High Emissions Scenario (3.9' SLR) MHHW
- 📁 2100 Intermediate-High Emissions Scenario (3.9' SLR) with 100-year flood
- 📁 2100 High Emissions Scenario (6.3' SLR) MHHW
- 📁 2100 High Emissions Scenario (6.3' SLR) with 100-year flood

📁 **Shoreline Change**

## **Historic Shorelines**

-  May, 2015
-  April, 2014
-  December, 2013
-  August, 2013
-  September, 2011
-  June, 2011
-  May, 2011
-  July, 2010
-  April, 2010
-  August, 2007
-  May, 2005
-  November, 2000
-  April, 1998
-  April, 1992
-  October, 1974
-  April, 1973
-  November, 1962
-  May, 1960
-  January, 1956
-  January, 1953
-  January, 1934
-  January, 1920
-  January, 1912
-  January, 1894
-  July, 1867
-  July, 1866
-  July, 1855

## **Beaches**

-  December, 2013 – April, 2014
-  September, 2011 – December, 2013
-  May, 2011 – September, 2011
-  May, 2011 – December, 2013
-  July, 2010 – May, 2011
-  June, 2007 – July, 2010
-  September, 2000 – June, 2007
-  September, 2000 – December, 2013/April, 2014

## **Beach Elevation Change**

-  April, 2014 minus December, 2013
-  April 2014, minus September, 2000
-  December, 2013 minus September, 2011
-  December, 2013 minus May, 2011
-  December, 2013 minus September, 2000
-  September, 2011 minus May, 2011
-  May, 2011 minus July, 2010
-  July, 2010 minus June, 2007
-  June, 2007 minus September, 2000

## **Transportation Networks**

### **Public Roads**

-  Interstates
-  Turnpikes

- 🗺️ US Routes
- 🗺️ State Routes
- 🗺️ Local Roads
- 🌐 NOAA Navigational Charts

### 📁 Utilities and Communication

- 🗺️ Cell Towers
- 🗺️ Transmission/Pipelines
- 🗺️ National Pollutant Discharge Elimination System

### 📁 Elevation

- 🗺️ LiDAR derived 2-foot Contours
- 🗺️ LiDAR derived 10-foot Contours
- 🗺️ USGS Topographic Quads
- 🗺️ **Regional LiDAR**
  - 🗺️ Shaded Relief
  - 🗺️ Digital Elevation

### 📁 Basemaps/Imagery

#### 📁 Regional Orthophotography

- 🗺️ 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 2016 RGB
- 🗺️ NH NAIP 2016 CIR
- 🗺️ NH NAIP 2014 RGB
- 🗺️ NH NAIP 2014 CIR
- 🗺️ NH NAIP 2012 RGB
- 🗺️ NH NAIP 2012 CIR
- 🗺️ NH NAIP 2011 RGB
- 🗺️ NH NAIP 2011 CIR
- 🗺️ NH NAIP 2009 RGB
- 🗺️ NH NAIP 2008 RGB
- 🗺️ NH NAIP 2003 RGB
- 🗺️ NH DOQs 1992/98

### 📁 Base Maps

- Bing Roads
- Bing Aerial

- Bing Hybrid (aerials with labelling)
- USGS Topo
- Light Gray Base

 **Layer Catalog Items** (html5 viewer only)

-  2014 NOAA 6-inch RGB Orthophotography