NH COASTAL VIEWER LAYER LIST

February 2, 2023

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:

MH GRANIT, University of New Hampshire

New Hampshire Department of Environmental Services

US National Oceanic and Atmospheric Administration

US Park Service

Bing and Esri

🛂 Additional Layers (layer catalog)

NH SADES

FEMA FEMA

Layers listed using this font are rasters and as such, cannot be symbolized by the user

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 <u>GRANITView</u> a statewide mapping site maintained by GRANIT.
- 2. Tip: to quickly find a specific layer from this list in the Viewer, click "Filter Layers..." 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. To access the **Additional Layers** catalog, click the **Data Sources** tab then click the **Additional Layers** icon . Folders in the Layer List that have the layer catalog icon contain **Additional Layers**.

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

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> Additional Layers

OPERATIONAL LAYERS

Administrative and Political Boundaries City/Town Coastal Zone Management Act Boundary NH Parcel Mosaic Additional lines Parcels - polygons Biology and Ecology MWIPlus Mational Wetlands Inventory – Version 2 Shellfish Matural and Restored Shellfish Areas Current Shellfish Beds Oyster Restoration Sites Historic Shellfish Sites Surf Clams Softshell Clams Softshell Clams 1985 Softshell Clams 2006 Softshell Clams 2008 Oysters Oysters 1982 Oysters 1985 Oysters 1997 Oysters 2001 Oysters 2003 9 Oysters 2004-2006 Oysters 2005 Oysters 2006 Oysters 2008 Oysters 2012 Shellfish Aquaculture Shellfish Water Classification **Eelgrass 2022 2021 2019 1996**

Cultural Society and Demographic

Access Sites to Public Waters

986

- Libraries
- Hospitals
- National Register of Historic Places

Police and Fire Stations Schools (K-12) Places of Interest 🚨 Recreational Boater Route Density Recreation Areas Wessel Activity 2012 2010 Census Population by Census Block (# persons) Social Vulnerability Index by Census Tract Environment and Conservation Conservation and Public Lands Designated Rivers Fluvial Geomorphology Stream Crossings Geomorphic Compatibility Aquatic Organism Passage Compatibility NHDES Hydraulic Capacity Scores 10 yr Return Period NHDES 25 yr Return Period 50 yr Return Period 100 yr Return Period Other Geomorphic Data Geomorphic Features NHDES **Road Encroachments** NHDES **Railroad Encroachments Channel Straightening** NHDES **State Impact Metrics** Fluvial Erosion Hazard Zones Wildlife Action Plan 🚨 Highest Ranked Wildlife Habitat Mildlife Habitat Land Cover 👲 ME Beginning with Habitat - Focus Areas Other Wildlife Data Wildlife Corridor Prioritized Habitat Block 🚨 Resilient and Connected Network Land Use 2015 Southeast Region 2 1962 Rockingham County 1962 Strafford County Impervious Cover –Best Available Data **2021** <u>2015</u> **2010** 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)
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	Pollutant Attenuation
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	Single and Multi-Benefit Areas
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	Tidal Stream Crossings: Overall Combined Score
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	Tidal Stream Crossings: Salt Marsh Migration Potential
	Tidal Stream Crossings: Vegetation Comparison
	Tidal Stream Crossings: Vegetation Comparison Tidal Stream Crossings: Inundation Risk to Roadway
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	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
P)	Coastal Restoration Database
	Dune Restoration
	Eelgrass Restoration
	Living Shoreline
	Oyster Restoration
	River Restoration
	Salt Marsh Restoration
	Suit Marsh Restoration
Cool	ogical and Coophygical
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🗀 Su	rficial Geology
Inlar	nd Water Resources
≌ Da	am Inventory
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	oodplains
	ACross Sections
	ABase Flood Elevations
	AFlood Hazard Boundaries
	AFlood Hazard Zones
FEM	AHigh 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 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 Marian 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 + 6-ft SLR 🚨 MHHW + 1% Storm Surge + 8-ft SLR Beach Shoreline Change Historic Shorelines May, 2015 Maril, 1992 Maril, 1973 Manuary, 1953 January, 1934 9 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 Margarian Sulland Sulland Sulland Sulland Margarian (1984) Margarian Sulland S 🚨 June, 2007 minus September, 2000 Groundwater Rise (ft) Caused by Sea Level Rise 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 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**

Utilities and Communication

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

Elevation

- LiDAR derived 2-foot Contours

Regional LiDAR

- Shaded Relief

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
- Margional 2010 6-inch RGB
- Margional 2010 6-inch CIR
- Market Regional 2005 1-foot RGB
- Margional 2005 1-foot CIR
- **Mathematic** Regional 1974 panchromatic
- Regional 1962 panchromatic

Statewide Orthophotography

- **№** NH 2015 1-foot RGB
- MH 2015 1-foot CIR
- MH 2010/2011 1-foot RGB
- MH 2010/2011 1-foot CIR
- MH NAIP 2021 RGB
- MH NAIP 2021 CIR
- **№** NH NAIP 2016 RGB
- MH NAIP 2016 CIR
- MH NAIP 2014 RGB
- MH NAIP 2014 CIR
- MH NAIP 2012 RGB
 MH NAIP 2012 CIR
- MH NAIP 2011 RGB
- № NH NAIP 2011 KGB

 № NH NAIP 2011 CIR
- **№** NH NAIP 2009 RGB
- **№** NH NAIP 2008 RGB
- MH NAIP 2003 RGB
- MH DOQs 1992/98

Base Maps

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

ADDITIONAL LAYERS

Biology and Ecology

Eelgrass

- 1993

Environment and Conservation

Conservation

- CL: Management Status
- CL: Agency Type
- CL: Primary Protection Type

- **CL:** Diagonal
- CL: Solid
- **Land Use**
 - LU: 2015 Southeast

- LU: 2010 Rockingham RPC
- 🚨 LU: 2010 Southern New Hampshire RPC
- LU: 2010 Strafford RPC
- LU: 1998 Southeast
- LU: 1974 Southeast

Oceans and Coasts

Alternate Sea Level Rise Scenarios

- MHHW plus 40-feet

Beach Shoreline Change

Beach Elevation Change

- April, 2014 minus December, 2013
- April, 2014 minus September, 2000
- ⚠ September, 2011 minus May, 2011

Beach Extent for Elevation Change Analysis

- December, 2013 April, 2014
- September, 2011 December, 2013
- May, 2011 September, 2011
- May, 2011 December, 2013
- Mune, 2007 July, 2010
- September, 2000 June, 2007
- September, 2000 December, 2013/April, 2104

Historic Beach Shorelines

- December, 2013
- **August**, 2013
- September, 2011
- May, 2011
- Maril, 2010
- **Magust**, 2007
- May, 2005
- Movember, 2000
- **April**, 1998
- October, 1974
- Movember, 1962
- May, 1960
- 🚨 January, 1956
- **2** January, 1920
- January, 1894
- 9 July, 1866
- 쮤 July, 1855

- SLR Classes Polygons
 - 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

Base Maps/Aerial Imagery

2014 NOAA 6-inch RGB Orthophotography