

Fish Habitat Spatial Data Tools

July 29, 2016

North Atlantic Landscape Conservation Cooperative

A multi-criteria decision support tool designed to assess aquatic habitats and threats in North Atlantic watersheds and estuaries which enables users to visualize and manipulate information to prioritize areas for conservation action.

<http://northatlanticlcc.org/projects/downstream-strategies-project/decision-support-tool-to-assess-aquatic-habitats-and-threats-in-north-atlantic-watersheds> (winter flounder and brook trout)

The Northwest Atlantic Marine Ecoregional Assessment includes data such as seabed form, bathymetry, sediment, benthic habitats and physical oceanography.

<http://nalcc.databasin.org/maps/01e1d5b8954b40d98dbf05a4b0595c02>

National Fish Habitat Partnership Data System

The data system provides data access and visualization tools including inland stream and coastal assessments, Fish Habitat Partnership habitat condition index scores and Human Disturbance data, and additional datasets from cooperators.

<http://www.fishhabitat.org/content/nfhp-data-system>

- Risk of current Habitat degradation for stream and coastal fish habitats (assessment results)
- OBIS Fish Data, OBIS Bivalve Data, MARIS Fish Sampling Dataset, NFHP Community Data

Landscape

A wide variety of maps pertaining to the Chesapeake Bay Watershed including conservation priority data sets, cultural data, environmental data and numerous other applications.

<http://www.landscape.org/chesapeake>

- Conservation Priorities (Wildlife Action Plans), threats, etc.

MD Greenprint

Maryland's Greenprint map identifies and maps targeted ecological areas, high priority lands and watersheds for conservation, land conservation programs. This map enables the user to visualize and prioritize conservation activities based on the characterization of land cover and other GIS data.

<http://greenprint.maryland.gov/>

Fisheries, Protected Lands, Targeted Ecological Areas, Smart Growth, etc.

VA Coastal Geospatial and Educational Mapping System (GEMS)

Virginia's Coastal Zone Management Program provides an expansive inventory of land and water based natural resources, conservation planning, coastal laws and policies, information on coastal resource values, and planning examples designed to promote stewardship and environmental education.

<http://www.deq.virginia.gov/Programs/CoastalZoneManagement/CoastalGEMSGeospatialData.aspx>

VA DCR Conservation Lands Database

Virginia's Managed Conservation Lands Map uses digital surveys and other data sources to track Virginia's progress towards land conservation goals.

http://www.dcr.virginia.gov/natural_heritage/clinfo.shtml#dev

VA DEQ GIS Database

The Virginia Environmental Geographic Information Systems viewer provides that viewer with geographical data on impaired waters, petroleum release sites, solid waste facilities, water quality monitoring stations and additional data.

<http://www.deq.virginia.gov/ConnectWithDEQ/VEGIS.aspx>

VA DGIF Database

The Virginia Department of Game and Inland Fisheries GIS database provides data to users regarding public features, HUC10s, trout fishing and wildlife management areas.

<http://dgif-virginia.maps.arcgis.com/home/webmap/viewer.html?useExisting=1>

New TNC Habitat Prioritization Tool

The Nature Conservancy has developed a library of maps and spatial data to provide meaningful contributions to conservation. This includes terrestrial, freshwater, and marine datasets which are accessible at the following link.

<https://www.conservationgateway.org/ConservationByGeography/NorthAmerica/UnitedStates/edc/reportsdata/marine/cby/Pages/default.aspx>

Chesapeake Bay Fish Passage Prioritization Tool

The Nature Conservancy partnered with the National Oceanic and Atmospheric Administration and the states of Maryland and Virginia to develop a new tool to aid in the prioritization of barriers to fish passage in the Chesapeake Bay.

http://maps.tnc.org/EROF_ChesapeakeFPP/

Chesapeake Bay USGS Data

United States Geological Survey datasets include land use and climate change layers, water quality and quantity, living resources and habitats, and other additional data resources.

<http://chesapeake.usgs.gov/data.html>