

APPENDIX A

WETLAND RESOURCES AND REFERENCES

ORGANIZATIONS THAT CAN HELP:

NH Association of Natural Resource Scientists

<http://www.nhanrs.org/>

NH County Conservation District Offices

<http://nh.ncdea.org/Employees%20Directory.htm>

NH Natural Resources Conservation Service

<http://www.nh.nrcs.usda.gov/contact/>

Regional Planning Commissions in NH

<http://www.nharpc.org/aboutus>

UNH Cooperative Extension

<http://extension.unh.edu/FWT/contactus.htm>

FUNDS TO PROTECT WETLANDS

Aquatic Resource Mitigation Fund – NH DES Wetlands Bureau

<http://des.nh.gov/organization/divisions/water/wetlands/wmp/index.htm>

Wetlands Reserve Program – Natural Resources Conservation Service

http://www.nh.nrcs.usda.gov/programs/Farm_Bill/WRP/WRP.html

NEW HAMPSHIRE WETLANDS RULES AND LAWS

NH DES Wetlands Bureau

<http://des.nh.gov/organization/divisions/water/wetlands/index.htm>

NH DES Wetlands Rules - Env-Wt 100-900

<http://des.nh.gov/organization/commissioner/legal/rules/index.htm#wetlands>

Env-Wt 100 ORGANIZATIONAL RULES

Env-Wt 200 RULES OF PRACTICE AND PROCEDURE

Env-Wt 300 CRITERIA AND CONDITIONS FOR PERMITS

Env-Wt 400 SHORELINE STRUCTURES

Env-Wt 500 PERMIT PROCEDURE

Env-Wt 600 TIDAL WETLANDS

Env-Wt 700 PRIME WETLANDS

Env-Wt 800 COMPENSATORY MITIGATION

Env-Wt 900 STREAM CROSSINGS

Law: [RSA 482-A: Fill and Dredge in Wetlands](#)

<http://www.gencourt.state.nh.us/rsa/html/NHTOC/NHTOC-L-482-A.htm>

Prime Wetlands

New Hampshire law has a provision that allows a municipality to designate certain wetlands within its borders as being worthy of extra protection because of their size, uniqueness, fragility, unspoiled character or other relevant factors that make them of substantial significance. Env-Wt 700 of the Wetlands Rules provides detailed criteria for the adoption of designated prime wetlands (see web link below).

The first step in designating prime wetlands is to conduct an inventory of wetlands in town consistent with current statutory requirements. Following the inventory, threshold conditions may be set for one or more measurable functions or characteristics (e.g. all wetlands important for flood control and wildlife habitat, or wetlands greater than a certain size). These threshold conditions reflect the priorities of the community and limit the set of wetlands that can reasonably be studied, without eliminating significant candidates from consideration. The candidate wetlands are then evaluated using a wetland evaluation method such as the NH Method.

Note that wetlands proposed for prime designation must have the presence of hydric soils, hydrophytic vegetation **and** wetland hydrology.

Prime Wetlands Description

http://des.nh.gov/organization/divisions/water/wetlands/prime_wetlands.htm

Prime Wetlands (RSA 482-A:15)

<http://www.gencourt.state.nh.us/rsa/html/L/482-A/482-A-15.htm>

Prime Wetlands RSA 483-A:11-IV - Forestry in and around Prime Wetlands

These rules allow a property owner a waiver "...to perform forest management work and related activities in the forested portion of a prime wetland or its 100-foot buffer". "A waiver shall be issued only when the department [NH DES] is able to determine there will be no significant net loss of wetland values as identified in ...RSA 482-A:1"

NH DES Wetlands Rules - Chapter Env-Wt 700 Prime Wetlands

<http://des.nh.gov/organization/commissioner/legal/rules/index.htm#wetlands>

Wetland Mitigation Program and the Aquatic Resource Mitigation Fund

<http://des.nh.gov/organization/divisions/water/wetlands/wmp/index.htm>

WATER RESOURCES

NH Department of Environmental Services

Drinking Water and Groundwater Protection Bureau

<http://des.nh.gov/organization/divisions/water/dwgb/index.htm>

Water Division

<http://des.nh.gov/organization/divisions/water/>

NH Geological Survey
<http://des.nh.gov/organization/commissioner/gsu/index.htm>

Biomonitoring Program
<http://des.nh.gov/organization/divisions/water/wmb/biomonitoring/index.htm>

UNH Cooperative Extension - Lakes Lay Monitoring Program
<http://extension.unh.edu/WatRes/NHLLMP.htm>

NH DES List of 4th Order Streams
<http://des.nh.gov/organization/divisions/water/wetlands/cspa/fourth.htm>

FOREST MANAGEMENT INFORMATION

UNH Cooperative Extension

Good Forestry in the Granite State
<http://goodforestry.org>

Best Management Practices for forestry to protect water quality in New Hampshire
http://extension.unh.edu/resources/files/Resource000248_Rep267.pdf

WILDLIFE INFORMATION

NH Fish & Game Dept.

Non Game program
http://www.wildlife.state.nh.us/Wildlife/nongame_and_endangered_wildlife.htm

NH Wildlife Action Plan
http://www.wildlife.state.nh.us/Wildlife/wildlife_plan.htm

Fisheries Management
http://www.wildlife.state.nh.us/Fishing/fisheries_management.htm

UNH Cooperative Extension Wildlife

<http://extension.unh.edu/Wildlife/Wildlife.htm>

Taking Action for Wildlife (UNH Cooperative Extension and NH Fish and Game Dept)

<http://takingactionforwildlife.org>

RARE PLANTS AND EXEMPLARY NATURAL COMMUNITIES

NH Division of Forests and Lands - Natural Heritage Bureau

<http://www.nhdf.org/about-forests-and-lands/bureaus/natural-heritage-bureau/>

VERNAL POOLS

Vernal pools are wetlands with a seasonal cycle of flooding and drying. Some vernal pools flood in the spring with water from melting snow, rain or high groundwater and then typically dry by summer's end. Other pools follow a similar pattern, but fill with rain in autumn, hold water all winter and spring, and then dry out by late summer. The annual drying cycle of vernal pools makes them different from other wetlands and plays a key role in determining which wildlife species uses which pools as habitat.

(from <http://extension.unh.edu/Wildlife/VernalPoolHabitats.htm>)

NH Fish & Game Department

Vernal Pool Habitat Profile in the NH Wildlife Action Plan

http://des.nh.gov/organization/divisions/water/wetlands/documents/wap-vernal_pool_habitats.pdf

Identification and Documentation of Vernal Pools in New Hampshire

http://www.wildlife.state.nh.us/Wildlife/Nongame/RAARP/Vernal_pool_manual.pdf

UNH Cooperative Extension

Vernal Pool Habitats and Resources

<http://extension.unh.edu/Wildlife/VernalPoolHabitats.htm>

NH Wetlands Bureau

http://des.nh.gov/organization/divisions/water/wetlands/vernal_pools.htm

MAPPING INFORMATION

GRANIT

NH GRANIT – New Hampshire's Statewide GIS Clearinghouse

<http://www.granit.unh.edu/>

GRANIT Data Mapper

<http://mapper.granit.unh.edu/viewer.jsp>

Terrain Navigator (commercial product)

<http://maptech.mytopo.com/land/TerrainNavigator/index.cfm>

Google Earth

<http://earth.google.com/>

NH Fish & Game - Wildlife Action Plan Maps

http://www.wildlife.state.nh.us/Wildlife/Wildlife_Plan/using_maps.htm

Wildlife Action Plan Maps by Town

http://www.wildlife.state.nh.us/Wildlife/Wildlife_Plan/WAP_town_maps.html

US Fish & Wildlife Service – National Wetlands Inventory

<http://www.fws.gov/wetlands/>

ADDITIONAL WETLAND & RELATED REFERENCE MATERIALS

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US Fish & Wildlife Service.

National Wetlands Inventory website.

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Wetland Plant Indicator Status

NRCS Wetland Indicator Status web page

<http://plants.usda.gov/wetinfo.html>

Regional Wetland Plant Lists Northeast (Region 1)

<http://www.wetlanded.com/Publications.cfm?OrderID=886>