

## Administrative Procedures – Scientific Information

**THIS FORM IS ONLY REQUIRED WHEN INCORPORATING MATERIALS BY REFERENCE. PLEASE REMOVE PRIOR TO DELIVERY IF IT DOES NOT APPLY TO THIS RULE FILING:**

### **Instructions:**

In completing the Scientific Information Statement, an agency shall provide a brief summary of the scientific information including reference to any scientific studies upon which the proposed rule is based, for the purpose of validity.

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1. TITLE OF RULE FILING:

**Vermont Wetland Rules**

2. ADOPTING AGENCY:

Agency of Natural Resources

3. BRIEF EXPLANATION OF SCIENTIFIC INFORMATION:

The Beaver Meadows Wetland Complex was proposed for Class I designation through a petition filed by the Ripton Conservation Commission. The Conservation Commission consulted with both the U.S. Forest Service, and the Vermont Wetlands Program, regarding the petition and proposed wetland delineation. The scientific information provided includes the petition submitted by the Ripton Conservation Commission, all appendices to that petition including maps and the Vermont Rapid Assessment Method (VRAM) evaluation of wetland integrity, the Class I Determination Form completed by the Agency, a location map of the wetland, and public comments and responses to those comments submitted to the Agency. The petition and Class I determination form describe in detail the quality, functionality, and values of the proposed Class I wetland. This documentation provides the basis for the determination that the Beaver Meadows wetland complex meets the criteria for designation as Class I.

4. CITATION OF SOURCE DOCUMENTATION OF SCIENTIFIC INFORMATION:

Cogbill, C. 1995. Ecological Evaluation Of The Abbey Pond/Beaver Meadow Candidate Research Natural Area Green Mountain National Forest, Vermont. Vermont Department of Fish and Wildlife.

Underwood, K. 2016. Summary Report: 2014 Sampling Results Addison County River Watch Collaborative. South Mountain Research and Consulting and Addison County River Watch Collaborative.

Underwood, K. 2016. Summary Report: 2015 Sampling Results Addison County River Watch Collaborative. South Mountain Research and Consulting and Addison County River Watch Collaborative.

Bennet, A. 2017. Personal Communication; Bats and Beaver Meadows Wetland Complex. Vermont Department of Fish and Wildlife.

Marshall, E. 1988. Abbey Pond-Beaver Meadows Bird and Plant list. Vermont Department of Fish and Wildlife.

Borah, G. 2017. 1999-2017 Keeping Track Data. Keeping Track.

Andrews, J. 1997. Results of the Reptile and Amphibian Inventory of the Abbey Pond and Beaver Meadow Region of the Green Mountain National Forest. Middlebury College.

Marshall, E. et al. 2013. Element Occurrence Report-Dwarf Shrub Bog; Confidential. VT Natural Heritage Inventory Project.

E.H. Thompson and E. R. Sorenson. 2000. Wetland, Woodland, Wildland-A Guide to the Natural Communities of Vermont pages 314-319.

E. Thompson; VT NHPI. 1989. DRAFT-Establishment Record for Beaver Meadow and Abbey Pond Research Natural Area Green Mountain National Forest Addison County, Vermont.

USDA Forest Service. 2006. Green Mountain National Forest Land and Resource Management Plan (2006 Forest Plan) pages 94-97.

## Scientific Information

M. Yee, C. Casey and J. Donavan. 1985. Beaver Meadows Bog-Site Survey Summary.

C. Cogbill, C. Paris, J. Parsons; VT NHPI. 1989, last revised 1995. Element Occurrence Report-Great Blue Heron.

A. Marcus; VT NHPI. 2010. Element Occurrence Report-Ovate spikerush.

## 5. INSTRUCTIONS ON HOW TO OBTAIN COPIES OF THE SOURCE DOCUMENTS OF THE SCIENTIFIC INFORMATION FROM THE AGENCY OR OTHER PUBLISHING ENTITY:

<https://anrweb.vt.gov/ANR/vtANR/DocBrowser.aspx?Directory=DEC%2fWSMD%2fWetlands%2fstakeholder%2f2019%2f>