

Robert G. Popp

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WORK EXPERIENCE

F&W Department Botanist
Vermont Nongame and Natural
Heritage Program
Dept. of Fish and Wildlife
Barre, VT. 05641
11/89 – Present

Evaluate the status and management needs of rare plants and natural communities in the state. Assist in the overall planning of all NNHP inventories and monitoring studies and design and conduct specific inventories and monitoring of rare plants and natural communities. Assist state and federal agencies and towns in developing management and protection strategies for rare plants and natural communities and review and evaluate development proposals for impacts to rare plants and/or natural communities.

Wetlands Biologist
C.T. Male Associates
Greenfield, MA. 01302
7/88 – 11/89

Delineated wetland boundaries and applied for required wetland permits for a civil engineering firm. Also entailed writing Environmental Impact Reports, speaking at public hearings and being familiar with wetland regulations of four states (MA., N.H., N.Y., and VT.).

Departmental Assistant
Dept. of Forestry & Wildlife
University of Massachusetts
Amherst, MA. 01003
8/87 – 7/88

Responsible for delineating and classifying wetlands on aerial photographs for the U.S. Fish and Wildlife Service's National Wetland Inventory. Classification involved recognition of photo signatures, interpretation of topographic and soils maps, and field checking plant community and soil types.

**Research and Teaching
Associate, Botany Dept.**
University of Mass. 9/85 – 8/87

Taught labs in Botany and Biology while conducting research towards a Ph.D. degree in Botany.

**Research Associate/ Acting
Project Director, South
Turkana Ecosystem Project**
Turkana Region, Kenya.
1/84-6/85

Conducted research on a National Science Foundation funded study of the grazing impact of nomads in the desert of northern Kenya. Created vegetation maps from aerial photos with ground sampling of plant density. Planned and implement studies of grass and shrub productivity with simulated browsing and irrigation. Made morpho- metric measures of the major tree and shrub species.

Botanist

The Nature Conservancy
Boulder, CO.
5/83 – 9/83

Created vegetation maps of critical habitat for endangered alpine plant species, conducted searches for endangered plant species in wetlands and alpine habitats throughout the Colorado Front Range.

Botanist

Colorado Natural Heritage
Inventory
Denver, CO.
5/82 – 8/82

Conducted a floral inventory of the Piceance Basin in western Colorado to determine impacts of oil shale extraction. Inventory included searching for rare plant species, mapping wetland communities, and recognizing and mapping other significant natural communities. Extensive use was made of aerial photos, topographic, soils, and geologic maps to cover a 1200 square mile area.

Botanist

Ichthyological Associates
Stamford, N.Y.
8/77 – 6/80

Responsible for conducting rare plant surveys in a forested area proposed to be flooded to create a pumped storage reservoir for electric generation. Also assisted in breeding and migratory bird censuses.

EDUCATION

INSTITUTION:**MAJOR****Ph.D. Research in Botany**

University of Massachusetts
Amherst, MA. 9/85 – 8/87

Research involved the study of pollen selection techniques as a mechanism for plant breeding and genetic selection. Not completed.

M.S. in Plant Ecology

Colorado State University
Fort Collins, CO. 8/83

Thesis research involved the allocation of biomass to reproduction versus vegetative growth in 12 alpine tundra plants. Allocation patterns were correlated with environmental parameters and plant size and density.

B.S. in Forest Biology

State University of N.Y.
College of Environmental
Science and Forestry
Syracuse, N.Y. 5/77

Major in Botany with concentration in Ecology and Systematics. Minors in Zoology and Entomology. Participated in summer field studies which included Wetland Plant Ecology and an independent study of wetlands.

SELECTED PUBLICATIONS

Marshall, E., R. Popp, and A. Marcus. In Progress. Survey of Wetlands within the Lake Champlain System to Support Use of Wetlands as an Indicator to Assess Environmental Impacts of Flooding. A Report to the International Joint Commission on Lake Champlain.

Popp, R. and A. Marcus. 2018. Rare and Uncommon Native Vascular Plants of Vermont. Report of Vermont Natural Heritage Inventory, VT. Fish and Wildlife Department.

Sorenson, E., R. Popp, D. Farrell, and M. Lew-Smith. 2016. Vermont's Dwarf Shrub Bogs and Poor Fens: Distribution, Ecology, and Classification and Sites of Ecological Significance.

Sorenson, E. and R. Popp 2016. Statewide Natural Community Inventory and Mapping of Oak-Pine-Northern Hardwood Forest Habitat. Report for State Wildlife Grant to Vermont Fish and Wildlife Department.

Sorenson, E., R. Popp, B. Engstrom, M. Lapin, and D. Farrell. 2010. Softwood Swamps of Vermont: Distribution, Ecology, Classification, and Sites of Ecological Significance. Inventory Report of the Vermont Nongame and Natural Heritage Information Project.

Sorenson, E. and R. Popp. 2006. Limestone Bluff Cedar-Pine Forests of Vermont: A Statewide Inventory. Inventory Report of the Vermont Nongame and Natural Heritage Program.

Sorenson, E., R. Popp, M. Lew-Smith, B. Engstrom, M. Lapin, and M. Ferguson. 2004. Hardwood Swamps of Vermont: Distribution, Ecology, Classification, and Sites of Ecological Significance. Inventory Report of the Vermont Nongame and Natural Heritage Program

Engstrom, B., M. Lapin, R. Popp, and E. Sorenson. 1999. An Ecological Inventory of the Wetlands of the Lake Memphremagog Watershed in Vermont. Inventory Report of the Vermont Nongame and Natural Heritage Program.

Sorenson, E., M. Lapin, B. Engstrom, and R. Popp. 1998. Floodplain Forests of Vermont: Sites of Ecological Significance. Inventory Report of the Vermont Nongame and Natural Heritage Program.

Sorenson, E., B. Engstrom, M. Lapin, R. Popp, and S. Parren. 1998. Northern White Cedar Swamps and Red Maple-Northern White Cedar Swamps of Vermont: Some Sites of Ecological Significance. Inventory Report of the Vermont Nongame and Natural Heritage Program.

Thompson, E. and R. Popp. 1995. Calcareous Open Fens and Riverside Seeps of Vermont: Some Sites of Ecological Importance. Inventory Report of the Vermont Nongame and Natural Heritage Program.

Fichtel, C., R. Popp, and E. Marshall. 1992. Biological Natural Areas of Western Rutland County. Inventory Report of the Vermont Nongame and Natural Heritage Program.

Coughenour, M., J. Ellis and R. Popp. 1990. Morphometric relationships and developmental patterns of *Acacia tortilis* and *Acacia reficiens* in Southern Turkana, Kenya. Bulletin of the Torrey Botanical Club 117(1):8-17.

Popp, R. 1983. Resource Allocation of Alpine tundra Plants. M.S. Thesis Colorado State University, Fort Collins, CO.

Burt, C., R. Popp, and N. Tripp. 1978, 1979, and 1980. Terrestrial Ecological Studies at the Proposed Schoharie Reservoir Pumped Storage Site and the Existing Blenheim Gilboa Pumped Storage Project. Misc. publications of Ichthyological Associates.