

## Resumé

### Arthur V. Gilman

**Education:** B.A., Brown University 1976, cum laude

**Employment:**

- Principal, Gilman & Briggs Environmental, 2005–present. Currently involved in a range of projects including siting, planning, and permitting of electrical transmission lines, windpower generation, natural gas pipelines, municipal infrastructure, housing developments, commercial projects, and landscape projects for private landowners. Familiar with the federal wetland permitting process, Vermont Act 250, Vermont Section 248, Vermont Wetland Rules, Maine Site Development laws, and all federal and New England state laws concerning endangered species.
- Biologist, Wm. D. Countryman Environmental Assessment and Planning, Northfield, Vermont, 1988-2005. Responsibilities included marketing of services; searches for rare, threatened and endangered species, especially plants but also wildlife; wetland delineations and evaluations; wildlife habitat assessment and mapping; co-ordination with project engineers and providing advice; consultation with permitting agencies; preparation of reports, permit applications and testimony.
- Propagator and plant scientist, White Flower Farm, Litchfield, CT, 1977-1988. Responsibilities included propagation to meet average annual demand of ca. 600,000 units, greenhouse production, pest control, maintenance of stock, etc.

Recent (2010-2013) projects include

- Vermont Gas “Addison County Natural Gas Project,” inspection, reports, and permit support for a new 40-mile natural transmission line in western Vermont in regard to rare species and natural areas.
- Vermont Gas “Ticonderoga” natural gas project, endangered species surveys, reports, and permit support for a new 20-mile natural gas transmission line in Addison County, Vermont
- VELCO’s Northeast Reliability Project, long-term monitoring of threatened and endangered plant populations on 35 miles of transmission line corridor in western Vermont.
- VELCO’s Champlain Wind Link project, endangered species survey on approximately 35 miles of transmission line corridor in Grand Isle, Chittenden, and Addison Counties, Vermont.
- VELCO’s Ascutney project, endangered species survey on approximately 15 miles of transmission line corridor in south-central Vermont.
- Vermont Electric Cooperative (VEC), Northeast Kingdom distribution rebuild project, rare species survey on approximately 22 miles of electric distribution line.
- Rare species and natural community surveys on several transmission line segments in Maine for Central Maine Power, including projects in southern Maine (York County) and

northwestern Maine (Franklin County), totaling some 50 miles of existing, expanded, and new corridors.

- Spectra Energy's Freetown (Massachusetts) G8-L Launcher project, endangered species survey
- Mt. Mansfield Colocation Corporation's tower removal project, long-term monitoring,
- Grandpa's Knob Windfarm, Rutland County, natural communities issues
- Triland Partnership solar array, Williamstown Vermont
- New England Water Pollution Control Commission, Floristic Quality Assessment Index, project, responsible for ranking all Vermont wetland plant species for coefficient of conservatism.
- Lead botanist for a study of 40 wetland sites in Massachusetts, Rhode Island and Connecticut for the National Wetland Condition Assessment (US EPA)

Other recent projects have involved natural resource assessment, planning, evaluation of impacts, and permitting for 115 kV and 345 kV electrical transmission lines in Vermont and Maine. More than 500 miles of corridor in Maine and Vermont have been assessed. Recent clients have included VELCO (several projects); VEC (West Charleston to Derby project), Central Maine Power (several projects, including the 200 mi. MPRP project), Maine Public Service, and Bangor Hydro-Electric (Downeast Reliability Project).

Wetland delineations, assessment, and permit applications on numerous private, state and public municipal projects throughout Vermont and Maine. Recent clients have included the Vermont Agency of Transportation, City of Newport, US EPA, and several Vermont engineering companies.

Rare, threatened and endangered species searches and evaluation of significant natural communities on other projects in Vermont, Maine, and Massachusetts. Recent clients include the Mt. Mansfield Colocation Corporation, TransCanada (Kibby Mtn and Kibby Mtn. Expansion), First Wind (Sheffield, Vermont project), US Department of Defense (Cutler Naval Station), and Spectra Energy. Recent projects have included alpine and sub-alpine communities, forested summits, sandplains, fens, vernal pools, river shores, salt marshes, and freshwater-estuarine habitats.

### **Professional Associations:**

Vermont Endangered Species Committee, Flora Advisory Group, Chair 2012-present  
New England Botanical Club (Councillor 1997-2002, 2006-2009), President 2004-2006)  
New England Plant Conservation Task Force  
New England Wild Flower Society (Vermont State Award)  
Fairbanks Museum (Fellow)  
Josselyn Botanical Society (Distinguished Scholar)  
International Association of Plant Taxonomists  
Botanical Society of America  
American Fern Society

### **Publications:**

- More than a dozen papers published in refereed journals on botanical resources of New England
- New Flora of Vermont (New York Botanical Garden, in press for publication).