



## Adam R. Crary, PWS, PWD

Senior Wetland Scientist

Mr. Crary has worked as a federal park ranger, a research assistant, a stream ecologist, a wetland ecologist, a botanist, and a project manager. He has performed ecological services in 12 states and one U.S. territory on both large- and small-scale public and private projects. Mr. Crary has worked on remote as well as urban sites, multi-state linear utility projects, as well as county-wide assessment initiatives. At VHB, Mr. Crary is responsible for managing or providing oversight on projects focused on ecological resource inventory or involving federal or state environmental permitting, as well as managing wetland and ecological services and technical staff.

15 years of professional  
experience

### Representative Vermont energy projects include:

#### Kingdom Community Wind Project, Lowell, Westfield, and Jay, VT

Since 2009, Mr. Crary has served as the Project Manager for the natural resources assessments conducted by VHB in support of the Section 248 filing for a CPG from the VT PSB as well as collateral environmental permits. Field assessments include wetland/waters delineations and VWR classifications, wetland function and value assessments, rare flora and natural community surveys, vernal pool surveys, and mitigation site assessments. Assisted in the development of project testimony and preparations for PSB hearings. Permitting tasks include close coordination with the Project engineer, developer, VT ANR, USACE, and preparation of Individual Permit applications and mitigation packages. This contentious project involves a 21 turbine wind farm on 4-miles of the Lowell Mountain ridge, with a 16+ mile transmission line upgrade, which was approved and began construction in less than 2 years from substantial resource assessment work.

#### Deerfield Wind Project, Searsburg and Readsboro, Vermont

In 2011 and 2012, as the request of Iberdrola Renewables, Mr. Crary led the effort for preparation of General Section 404 Permit authorization request and Individual Section 401 Water Quality Certification application for the proposed 15-turbine wind farm located in the Towns of Searsburg and Readsboro, Vermont. In addition to the preparation of the relevant application forms, these submittals required various supporting documents, including a comprehensive project narrative, significant federal and state agency coordination, as well as organizing information from various groups outside of VHB (including other consultants and the U.S. Forest Service).

#### VESCO South Burlington Solar Farm, South Burlington, VT

In 2010, Mr. Crary served as task manager and lead field ecologist in conduct of first preliminary, then detailed natural resources assessments for the largest solar generation facility to-date in Vermont. Natural resources assessments included a delineation of wetlands and waters, detailed natural community mapping, vernal pool surveys, and development of a buffer vegetation management plan. Mr. Crary provided pre-filed testimony for the successful receipt of a CPG from the VT PSB, and oversaw the successful procuring of USACE Section 404 and VT DEC CUD permits. The project was approved and began construction less than 9 months from inception.

#### Sheldon Springs Solar Farm, Sheldon, VT

In 2012, Mr. Crary served as Project Manager and natural resources expert for Enel Green Power North America in the design and permitting of the 2.2MWac photovoltaic solar energy project adjacent to its existing hydroelectric project in Sheldon Springs, Vermont. Mr. Crary provided technical and expert witness support for the Section 248 petition, including completion of natural resource field and database surveys, assessment of potential environmental impacts, resource agency coordination, impact mitigation plans, Individual VT Wetland Permit application, preparation of exhibits necessary for submittal to the Vermont Public Service Board, and supporting testimony.

#### VESCO St. Albans Solar Farm, St. Albans, VT

Mr. Crary served as Project Manager and natural resources expert for VESCO Energy in design and filing of a Petition to the Vermont PSB under Section 248 for a Certificate of Public Good (CPG) authorizing a 2.2MW photovoltaic energy facility off Route 7 in St.

Albans, Vermont. VHB assisted VESCO with the solar farm concept design layout, stormwater and civil engineering, natural resource field and database surveys, resource agency coordination, and Section 248 Petition and hearing support.

**Vermont Transco, LLC (VELCO), K41 Transmission Line, Irasburg to Highgate, Vermont**

Since 2011, Mr. Crary served as overall Project Manager for a comprehensive natural resources survey for the approximately 51-mile existing VELCO transmission line, which runs through numerous towns in northern Vermont. In addition to managing field staff, he also led RTE plant and habitat assessment field surveys. He provided oversight, and prepared and provided QA/QC on technical documents submitted on behalf of VELCO summarizing the results of these surveys, in support of a Section 248 filing.

**Green Mountain Power 3307 Line Replacement, Winooski, Vermont**

Since 2011, Mr. Crary served as the Project Manager of the natural resources assessments and provided VT ANR coordination and pre-filed testimony on the Section 248 Natural Resources criteria for the line segment re-aligned following 2011 Winooski River flood damage. Several natural resources are present in the study area, and Mr. Crary worked with the Project engineer to minimize natural resource impacts or concerns from the VT ANR.

**Other Example Vermont Natural Resources and Environmental Permitting Projects**

- Utility Infrastructure (VELCO transmission and substation projects, VELCO Statewide Radio, GMP Gorge Generating Station, GMP 3325 Line, CVPS Reconductoring projects, National Grid projects, Waitsfield Waterline, various VEC Substation Projects, VT Gas Addison Expansion project)
- Renewable Energy (Beaver Wood Energy, St. Albans Solar, IBM RTC Solar)
- Commercial/Res. Development (Moran Plan, Hannaford Hinesburg, Commonwealth Dairy, Quechee Lakes, South Burlington Market Street)
- Ski Resort Development (Jay Peak, Killington, Mt. Snow, Timber Creek at Okemo)
- Transportation Infrastructure (VAST projects, VTrans bridge, culvert, and highway projects, Bennington Path, Hinesburg Path)

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<b>Education</b>	BS, Natural Resources Natural History and Ecology, University of Maine, 2000
<b>Professional Registrations/ Certifications</b>	Professional Wetland Scientist (SWSPCP) Professional Wetlands Delineator (VDPOR), Virginia Approved Rare Plant Surveyor (USFWS), Virginia OSHA 10-HR Construction Safety, February 2008 Vermont State Police Boating Certification, August 2011
<b>Affiliations/ Memberships</b>	Society of Wetland Scientists Southern Appalachian Botanical Society New England Wildflower Society