

Exhibit WS-JM-8

Resume of Rick Van de Poll

Rick Van de Poll, Ph.D.
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CURRENT EMPLOYMENT:

Principal, Ecosystem Management Consultants of New England, LLC (since 1988)

EDUCATIONAL EXPERIENCE:

1996: **(Ph.D.)** The Union Institute - Cincinnati, OH Specialization: Natural Resource Management; Dissertation: "Natural and Cultural Resource Inventories: A Guide to Comprehensive (Level III) Methods for Private Landowners in New England"

1985-86: **(MST)** Antioch New England Graduate School - Keene, NH Emphasis: Environmental Science; Natural Resource Inventory; Conservation Biology

1984-85: **(MS in part)** San Francisco State University - San Francisco, CA Emphasis: Mycology and Lichenology

1974-77: **(BA)** The Evergreen State College - Olympia, WA Emphasis: Outdoor Education and Counseling.

1971-72: **(BA in part)** Middlebury College - Middlebury, VT

ACADEMIC POSITIONS:

2003 – 2009: Adjunct Faculty, Plymouth State University, Plymouth, NH Courses developed and taught: Freshwater Biology Seminar, Summer Science Institute in Freshwater Ecology, Mycology, Wetlands (Graduate Division)

1985 - 2001: Associate / Core Faculty, Antioch University New England, Keene, NH. Courses offered: Wetlands Flora, Wetlands Delineation, Natural Resource Inventory, New England Flora, Mycology, Lichenology, Non-flowering Plants, Alpine Flora, Coastal Ecology, Tropical Ecology, Desert Ecology, Ecology of the Pacific Northwest, Tropical Ecology of the Galapagos and the Central Andes.

1990 – July, 2001: Director, Field Studies Program, Antioch New England Graduate School, Keene, NH. Oversee and administer off-campus Field Ecology courses: Agroecology of the Italian Alps, Galapagos Ecology, Tropical Ecology (Costa Rica), Coral Reef Ecology (Caribbean), Wolf Ecology (MN), Desert Ecology (US/MEX), Ecology of the Pacific Northwest (WA), Coastal Birds (MA), Coastal Ecology (ME, MA), Pine Barrens Ecology (NJ), Marine Ecology (ME).

CONSULTING POSITIONS:

1988 - present: Principal, Ecosystem Management Consultants of New England, LLC, Center Sandwich, NH. Oversee operation of small environmental consulting firm that provides natural resource inventories, wildlife assessments, and land use planning for the public and private sector. Conduct wetland delineations & evaluations; draft ordinances, provide written and oral testimony on municipal issues; supervise employees in research and education; teach environmental education

2005 – present: Environmental Education Director, Otter Brook Farm, Peterborough, NH. Conduct research and coordinate environmental education activities for two middle schools, one high school Envirothon team, and one pres-school. Work with Harris Center for Conservation Education in coordinating in-class & field activities.

2009 – present: Land Steward Monitor, Sweet Water Trust, Sheffield, MA. Conducting annual monitoring of 12,000-acre Shingle Shanty Preserve & Research Station (Adirondacks, NY), and 1400-acre West Mountain Preserve (VT)

2002 – 2004: Academic Consultant, Plymouth State College, Plymouth, NH. Provided planning assistance in the development of the Center for the Environment; organized science faculty contributions, advised on curriculum development; initiated and taught an annual, one-week science camp for teachers 2003 - 2005

1990 – August, 2001: Director, Antioch New England Environmental Studies Contracts, Keene, NH. Conducted community service projects for the Environmental Studies Department in environmental education and natural resource inventory & management. Administered contracts, hired and supervised students, wrote reports

SELECTED CONTRACT EXPERIENCE:

***2016 – present: Ecos Energy Bennington Solar Array Project** – completed site assessment and wetlands mapping (with CVES) of rare & endangered species at 78-acre proposed solar array site in Bennington, VT; assisting with wetland permitting

***2016 – present: Town of Rindge Wetland Impact Corridor Study** - conducted office and field-based assessment of proposed Kinder Morgan Pipeline along Eversource Right-of-Way across town; assessed wetland impacts; identified vernal pools & rare species; completed potential assessment of on-site mitigation property

***2015 – present: Town of Fitzwilliam Prime Wetlands Protection Project** – completed API mapping of all contiguous wetland in and adjacent to Fitzwilliam; provided point-rank assessment of 114 wetland evaluation units; completed NH Method assessment

of highest value sites for consideration at prime wetlands under RSA 482-A:15; revised local ordinance and advised BOS on warrant and submission to state; see http://fitzwilliam-nh.gov/index.asp?SEC=4527C6AB-B79C-4459-AD03-0746A4D8A5EB&Type=B_BASIC

- ***2014 – present: Balsams Resort Expansion Project** – completed assessment for the Society for the Protection of NH Forests of their Balsams Easement relative to the proposed expansion of the Balsams Resort; identified rare species, old growth forest, and assisted in crafting an easement amendment; assessed mitigation parcels; provided written testimony; completed field assessment of residual easement area and submitted final report, December 2016 (under review)
- ***2015 – 2016: NED Pipeline Assessment, Pelham, NH** – assisted town in assessing wetland impacts associated with proposed Kinder Morgan gas pipeline; delineated wetlands, identified mitigation sites, helped craft response to Km re: wetland mitigation sites; coordinated objection response to Army Corps of Engineers and NH DES regarding temporary versus permanent impacts
- * **2014 – 2016: Municipal Wetlands Consulting for proposed NED (Kinder Morgan) Pipeline** - provided pipeline information workshops through NHACC for affected towns in southwestern NH; worked directly with four towns along proposed ROW by mapping wetlands, assessing wetland function, identifying vernal pools, and helping prepare mitigation plans; submitted written and oral testimony to SEC
- * **2014 – present: Society for the Protection of NH Forests Balsams Project** - provided ecological assessment of areas affected by for proposed Balsams Ski Area Expansion; identified suitable mitigation sites, old growth areas, recreational use areas; also conducted Rapid Ecological Assessment of 5400-acre easement area for future management purposes, final report pending review
- * **2014 – 2016: Mount Sunapee Resort West Bowl Expansion** – worked for Mount Sunapee Resort in assessing old growth and exemplary natural community presence in proposed West Bowl expansion area; provided testimony at hearings and written reports in support of expanded conservation-mitigation for minimal ski area impacts; see NH DPR final decision at: http://www.mountsunapee.com/mtsunapeewinter/aboutsunapee/MountSunapeeMDP_Final%20Approval_3-17-2016.pdf
- ***2014 – 2016: City of Lebanon Wildlife Corridor Analysis** - conducted Phase II, site specific assessment of major wildlife crossing areas in City; performed track intercept tallies and habitat suitability analyses to assist City in designing ‘Green Infrastructure’ approach to planning and zoning; assisted in updating city-wide habitat map; see: <https://lebanonnh.gov/853/Lebanons-Wildlife-Corridors>

- * **2013 – present: Northwood Area Land Management Collaborative** – conducted “current condition summary” of 2646 acres of land in Northwood and Deerfield, NH for public-private collaborative of 18 landowners; prepared background documents for ecosystem-based management plan to assist landowners in joint stewardship of critical upper Lamprey River watershed area; currently assisting in outreach and presentations regarding the project; see: <http://nalmc.net/publications/cpn-report/>

- ***2013 – 2016: Pembroke Natural Resource Inventory** – conducted comprehensive mapping and field inventory of the town of Pembroke; completed water resource mapping update; devised point-rank system for evaluating all wetlands and completed NH Method assessment of candidate prime wetlands; updated conservation land database and assessed all natural resources

- * **2013 – 2014: Springfield Wetlands Project** – completed comprehensive mapping of wetlands in town of Springfield; assisted with revisions to the existing wetlands ordinance; identified 161 probable vernal pools & provided guidance on recognizing vernal pools; provided wetland education at regional high school; currently providing rapid evaluation of major wetland complexes
[http://www.uvlsrc.org/project/Springfield Community Planning Grant Wetlands Project 128/](http://www.uvlsrc.org/project/Springfield_Community_Planning_Grant_Wetlands_Project_128/)

- ***2012 – 2016: Wetland Assessments for ARM Funding (SPNHF)** – completed office and field-based assessments and mapping of wetlands on four projects proposed for funding under the Aquatic Resources Mitigation Fund: Olsen Property, Boscawen; Brown Property, Sutton; Goss Property, Madbury & Durham; Manchester Water Works Property, Candia & Auburn; completed written reports and assisted in ARM Fund applications

CERTIFICATIONS

Certified Wetland Scientist #110, State of NH, Joint Board of Natural Scientists
Wetland Delineator Certification – Army Corps of Engineers (1987 Manual)

AUTHORSHIPS (Selected)

- Stone, Mitchell, Van de Poll & Rendall. 2011. *Method for Inventory & Evaluating Freshwater Wetlands in New Hampshire (aka the ‘NH Method’)*. Durham: UNH Cooperative Extension. Updated in 2013, 2015.
- Van de Poll, R.D. 2007. “Wetlands” – Chapter V of the *Natural Resource Guidebook*, published by the Green Mountain Conservation Group and Region 9, U.S. EPA
- Van de Poll, R.D. 1998. *Natural and Cultural Resource Inventories: a Guide to Comprehensive (Level III) Methods for Private Landowners in New England*. UMI Publishers.

PROFESSIONAL SERVICE - INVITED POSITIONS:

2016 – present: IUCN Higher Fungi Red List Working Group, New England representative
2015 – present: EPA’s New England Wetland Buffer Planning Group
2007 – present: NH Method Wetland Assessment Working Group
2007 – present: NH Fish & Game Department Wildlife Action Plan Revision Task Force
2006 – present: Governor-appointed member of Site Selection Committee for Aquatic Resource Mitigation Fund, NHACC representative
1998 - 2008: Governor appointed (Chair) NH Board of Natural Scientists, 2 terms
1998 - 2004: Wetlands Bio-monitoring Assessment Working Group, US Environmental Protection Agency, Region 1.
2003 - 2004: Squam Lakes Natural Science Center Advisory Board
1998 - 2001: Board of Directors, NH Association of Conservation Commissions
1997 - 1998: Deer, Moose & Bear Task Force, NH Fish Game Department
1996 - 1998: Army Corps HGM Wetlands Assessment Work Group
1996 - 2000: Ecological Reserves Steering Committee (NH) of the UNH Cooperative Extension Living Legacy Project, Scientific Advisory Group

PROFESSIONAL SERVICE - VOLUNTEER POSITIONS:

2016 – present: NH Wildlife Coalition, Steering Committee
2016 – present: Sandwich Conservation Commission
2015 – present: Squam Lakes Conservation Society, Lands Committee
2014 – present: Member, Outreach & Education Committee, NH Land Trust Coalition
2001 – present: founder, Director of Sandwich Area Mushroom Club
1992 - present: Member, NH Task Force, New England Plant Conservation Association
1991 - present: Board of Trustees, Northeast Mycological Federation
2007 – 2015: NH Association of Natural Resource Scientists, Legislative Comm.
2007 – 2011: Forest Society’s Ecological Reserves Committee
2002 – 2010: Chair, Sandwich Conservation Commission
2002 – 2008: Board of Directors, Northeast Wilderness Trust (President 2002-2007)
1997 - 2001: Ashuelot River Watershed Association Steering Committee
1992 - 2001: Natural Resources Advisory Comm., SW Reg. Planning Commission, NH
1992 - 2000: Vice-President, New England Chapter, Society of Wetland Scientists
1989 - 1994: Board of Directors, NH Association of Wetland Scientists
1988 - 1998: Chairperson, Town of Sullivan Conservation Commission
1988 - 1998: Co-founder & President, Monadnock Mushroomers Unlimited

LANGUAGES: French (level II written); Spanish (level II dialogue)

REFERENCES: Available on request.