

Résumé

JEFFREY A. WALLIN, C.W.B.
Multiple Resource Management, Inc.

EDUCATION:

Undergraduate: 1966-1970, Bachelor of Science in Forestry/Wildlife, University of Vermont.

Graduate: 1983, Master of Science in Natural Resource Planning (Wildlife Biology), University of Vermont.

Additional Course Work:

- Radio Telemetry Workshop, University of Massachusetts.
- Effective Personnel Management, University of Vermont.
- Effective Business Writing, University of Vermont.
- Reading & Understanding Financial Statements, Univ. of VT
- Financial Management for the Closely Held Business, Vermont National Bank.
- Introduction to Natural Resource Negotiation, U.S. Fish and Wildlife Service (IF 100).
- Creating and Using Wetlands, University of Wisconsin
- Lotus: Beyond the Basics, Dun & Bradstreet C.E.U.
- Writing & Using Macros for Lotus, Dun & Bradstreet, C.E.U.
- Expanding WordPerfect Skills, Dun & Bradstreet, C.E.U.
- Wetland Recognition & Delineation, Institute for Wetland & Environmental Education & Research
- Hydric Soils, PLSOIL 590P, University of Massachusetts
- Trimble technical training in the use of Global Positioning System (GPS) equipment
- IFIM short course conducted by Stetson-Harza Engineering

MEMBERSHIPS, CERTIFICATIONS & LICENSES:

- Certified Wildlife Biologist as designated by The Wildlife Society, a professional organization.
- Member of The Wildlife Society, National, NE Section, & New England Chapter.
- Certified (1986) in the use of Habitat Evaluation Procedures (HEP), as developed by the Western Energy and Land Use Team, U.S. Fish & Wildlife Service, National Ecology Center, Fort Collins, CO. (NR 561).
- Certified in the use of Habitat Suitability Index (HSI) software for HEP analysis. (HEP 300).
- Licensed pilot experienced in aerial reconnaissance of wildlife and its habitat, aerial telemetry.
- SCUBA certified, advanced open-water rating.
- Licensed to sell Vermont Real Estate.
- Nominated to and listed in:
Naifeh, S. and G. Smith. 1990. 1991.
The Best Lawyers in America: Directory of Experts.

Woodward/White, Aiken, SC. 247pp.

EXPERIENCE SUMMARY (Full time Employment):

One year experience as a big game research assistant, University of Vermont. Twelve years experience as a Wildlife Biologist for the Vermont Fish & Wildlife Department, wildlife species management and regulation. Twenty years experience as a Wildlife and Environmental Consultant: critical habitat identification, mapping and management; permit processing and mitigation of environmental/development conflicts; environmental review and licensing processes for woodchip and hydroelectric generating facilities.

1983 - Present

Founder and sole proprietor of Multiple Resource Management Inc., a wildlife and environmental consulting firm. Duties involve: assessment of wildlife habitat and populations; providing expert testimony in litigations and mitigation of environmental conflicts with development; long term forest & wildlife management plan preparation; design and implementation of site-specific or species specific research studies; custom design of wildlife corridor movement studies; wildlife appraisal and expert testimony in connection with local, state and federal regulations; accurate mapping of remote habitats and features using sub-meter Global Positioning System (GPS) satellite technology; hydroelectric generation license preparation involving water quality data collection, stream flow measurements, minimum flow determination, wildlife impact appraisal, and design and administration of special environmental studies for project re-licensing including instream flow studies. Clients have included developers, planners, professional corporations, banks, utilities, industry, ski areas, State government, and municipalities.

1981 - Present

Principal owner and President of Comtu Falls Corporation involving the purchase, licensing, rehabilitation, upgrade and operation of a 460 kw hydroelectric generating station.

1973 - 1983

District Wildlife Biologist for the Vermont Fish & Wildlife Department, Agency of Natural Resources. Though specific project leader responsibilities involved re-introduction and restoration of wild turkeys, duties and involvement in all projects were required, including deer, bear, waterfowl, furbearers, small game, and non-game species (collectively referred to as "wildlife" below). The variety of duties and responsibilities included (but were not limited to):

- Wildlife species management planning and implementation.
- Formulation and implementation of species management regulations.
- Wildlife species biological data collection and analysis.
- Coordination and cooperation with forestry and water resource personnel and programs.
- Budget and personnel management.
- Extensive public speaking.
- Environmental permit review.

- Alternative route surveys for highway relocations.
- Wildlife species research - study plan, implementation, final report.
- Technical presentation at professional conferences.
- Proposed development impact evaluation and mitigation concerning critical wildlife habitat.

1971-1973

Wildlife Biologist, Vermont Fish & Game Department.

- Wetlands management.
- Design and implement of a controlled waterfowl hunting program on selected marshes.

1970-1971

Full time wildlife research assistant, School of Natural Resources, University of Vermont.

1966-1970

Temporary wildlife research assistant, School of Natural Resources, University of Vermont.

Publications/Major Reports

Wallin, J.A. 1977. Vermont's reintroduction of the eastern wild turkey. Trans. Northeast Sect. Wildl. Soc. 34:23-31.

Wallin, J.A. 1982. Sex determination of Vermont fall-harvested juvenile wild turkeys by the 10th primary. Wildl. Soc. Bull. 10(1): 40-45.

Wallin, J.A. 1983. Eastern wild turkey tolerance to human disturbance during incubation and its relationship to spring hunting in Vermont. M.S. Thesis, Univ. of VT, Burlington, VT. 43pp.

Fuller, R.W. and J.A. Wallin. 1987. Derway Island Wetlands: a quantitative assessment of existing wildlife habitat and enhancement possibilities. Mimeo. 9pp.

Wallin, J.A. 1993. Determination of black bear highway crossing significance in the vicinity of Bromley Mountain Ski Area. Mimeo. 16 pp.

Ritzi, C.A. and J.A. Wallin. 1997. An instream flow study of the bypass channel using GPS data for site configuration and area measurement at the Middlebury Lower Hydroelectric Project. In: Central VT Public Service Corporation Middlebury Lower project draft application for new license for minor project. 57 pp.

Wallin, J.A. 1998. A movement study of black bears in the vicinity of a wind turbine project. Mimeo. 15 pp.

Wallin, J.A., M. Hayden and W. Powers. 1999. Lake Dunmore/Fern Lake Association Milfoil Control Program: Lake Monitor's Handbook. Mimeo. 34 pp.

Wallin, J.A. 2002. A hands-on approach to Eurasian milfoil control, a synopsis of a citizens group attempt to stay one step ahead. Presentation to: The 15th Annual Conference on Enhancing the States' Lake Management Programs. Chicago.

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REPRESENTATIVE LIST OF CLIENTS AND PROJECT DESCRIPTION

CENTRAL VERMONT PUBLIC SERVICE CORPORATION, Rutland, VT

- Lamoille River Hydro: RFP design, administration, participation in principal contractor selection, and project management of IFIM study; impoundment assessment and fluctuation data analysis; design and implementation of minimum flow studies; development of a landlocked salmon reproduction and annual contribution computer model; Agency coordination.
- Weybridge Hydro Station: design and administer minimum flow study, perform modified HEP analysis to establish minimum flow rate.
- Six-Station re-licensing: Administer bid process, participate in principal contractor selection, and project manage the re-licensing of six hydro-generating stations on three different water sheds; design and implement minimum flow studies.
- Fisheries Enhancement Study: RFP design, administration, participation in principal contractor selection, and project management of a fisheries enhancement study of six hydro-impoundments including proposal review, assistance in data collection, study review and liaison with Agencies; implement fisheries enhancement recommendations.
- Water Quality Studies: Design and implementation of an on-going water quality monitoring program at all hydro- electric generating stations including dissolved oxygen monitoring and stream flow measuring.
- Capital Construction Projects: Wildlife planning and mitigation in the A-250 permit process for commercial building construction.
- Use Value Appraisal: Wildlife habitat planning and enhancement for large tracts of land under the Use Value Appraisal program.
- GPS mapping of critical reaches, transects and substrates.

BANGOR HYDRO ELECTRIC COMPANY, Bangor, ME

- Milford Hydro Station: Wildlife impact appraisal of water level management planning for hydro-station re-licensing. Preparation of FERC Exhibit E section on wildlife.
- Basin Mills Project: Wildlife impact appraisal using computer aided HEP analysis for licensing of the proposed Basin Mills Hydro Station and impoundment.

STETSON-HARZA COMPANY, Concord, NH

- Central Maine Power: Wildlife impact appraisal and water level management plan using a modified HEP for the Gulf Island Hydro Electric Station re-licensing.
- New England Power: Study design for wildlife impact appraisal and water level management plan for the Vermont/Massachusetts Deer Field River complex hydro-electric re-licensing; develop an upland and aquatic habitat enhancement plan.
- Green Mountain Power: Study design for wildlife impact appraisal and water level management plan for the Winooski River station hydro-electric re-licensing.

WESTINGHOUSE ELECTRIC CORPORATION, Glassport, PA

- Three-Station Rehabilitation: Complete FERC licensing for three hydro-electric generating stations in Springfield, Vermont, including water quality (DO) sampling and documentation for minimum flow determination, and license compliance throughout construction.

FACTORY FALLS ASSOCIATES, Springfield, VT

- Complete FERC licensing of hydro-electric generating station, including water quality sampling (DO) and documentation for minimum flow determination.

COMTU FALLS CORPORATION, Springfield, VT

- Complete preparation and processing of 248 Certificate of Public Good for unlicensed hydro-electric facility.
- Complete FERC licensing of hydro-electric generating station, including water quality sampling (DO) and documentation for minimum flow determination, and license compliance throughout construction.

CENTRAL STATE CONSTRUCTION, Randolph, VT

- Woodchip generation facility planning for wood procurement with particular concern for sound forest practices and critical wildlife habitats; partial preparation of 248 Certificate of Public Good.

CITY OF WINOOSKI, Winooski, VT

- Assessment of hydro-electric site potential with regard to PURPA rates established by the VT Public Service Board.

FIRST VERMONT BANK AND TRUST, Bennington, VT

- Assessment of a New York hydro-electric generating station with regard to plant capacity, annual production, and over-all site potential.

F.P. ELNICKI, INC., Clarendon, VT

- Design and implementation of a long-term habitat management program to mitigate impact of a gravel extraction site on critical deer winter shelter. The plan includes forest management practices to enhance existing habitat, and experimental reclamation of the softwood shelter through plantings.

VERMONT FISH AND WILDLIFE DEPARTMENT, Waterbury, VT

- Aerial inventory of wildlife populations (waterfowl and moose), and habitat reconnaissance.
- Develop a study plan to assess the impact on wildlife of the Lake Bomoseen drawdown incorporating a complete HEP analysis.
- Annual operation of a biological reporting station during the white-tailed deer hunting season (1983-1989).

UNIVERSITY OF VERMONT, Burlington, VT

- Aerial wildlife telemetry to assist an eastern coyote research project.

MICHIGAN DEPARTMENT OF NATURAL RESOURCES

- Design and implementation of a cooperative program for the trapping of Vermont wild turkeys and their air-transfer to Michigan for the reestablishment of a wild population.

HOWELL'S CAMPGROUND, Arlington, VT

- Wetlands litigation involving aerial photographic documentation of the historic existence of emergent wetlands vegetation and use by beaver.

SOUTHERN VERMONT ENGINEERING, Brattleboro, VT

- Southview Associates, Stratton, VT. Building site layout, and design of an intensive mitigation plan to off-set development impact on critical deer winter habitat. The plan involved forest management practices to increase the winter deer population carrying capacity of the site.
- Hillwinds Inc., Brattleboro, VT. Mitigation planning for housing development impact on critical deer winter shelter.
- The Meadows, Brattleboro, VT. Mitigation planning for housing development impact on critical deer winter shelter.
- Cersosimo Lumber, Vernon, VT. Assessment of potential development lands for critical wildlife habitat impacts.

NORTHSHORE DEVELOPMENT, Burlington, VT

- Wetlands mitigation planning for a marina development including construction design of a wetlands complex incorporating the use of a modified HEP.

GREEN MOUNTAIN STOCK FARM, Randolph, VT

- Mitigation planning on 1,200 acre tract for housing development impact on critical winter shelter for deer, including lot line layout, housing placement, and winter shelter enhancement and protection.
- Mapping of cross-country ski trails with GPS equipment and development of a public use trail map.

KILLINGTON MOUNTAIN SKI AREA, Sherburne, VT

- Impact assessment and enhancement recommendations of proposed ski trail location on critical winter shelter for deer.

CAVENDISH PARTNERSHIP, Ludlow, VT

- Broken Ground, Concord, NH. Critical habitat assessment and mitigation planning for a proposed development involving deer winter shelter, wetlands, and a heron rookery.
- Old Mill Pond, Windsor, VT. Wetlands mitigation planning for housing development impact, and creation of a wildlife management plan for reserved conservation lands.
- Tamarack, Stratton, VT. Mitigation planning for vacation home resort impact on deer winter shelter, wetlands, and black bear habitat.
- Mill River Lumber, Cavendish, VT. Site plan design and mitigation planning for housing development impact on critical deer winter shelter.
- Burke Mountain, Burke, VT. Appraisal of, and mitigative planning for developmental impact on black bear habitat.

OKEMO MOUNTAIN SKI AREA, Ludlow, VT

- Habitat identification and assessment of future development impacts on critical habitat for deer and black bear.

MOUNTAIN TOP INN, Chittenden, VT

- Habitat identification and assessment, and housing development planning and golf course layout to diminish impact on critical deer and bear habitat through site layout considerations, and habitat enhancement measures.

SPEATH ENGINEERING, Manchester, VT

- Critical deer and bear habitat identification and assessment. Mitigation planning for housing development impact on critical winter shelter for deer; projects in Danby, Dorest, and Manchester, VT.

WILLIAM JEWEL AND COMPANY, Brattleboro, VT

- Critical deer and bear habitat identification and assessment. Housing development planning and mitigation; projects in Londonderry and Rockingham, VT.

BRUNO ASSOCIATES, Woodstock, VT

- Critical deer, bear and wetland habitat identification and assessment. Housing development planning and mitigation; Projects in West Windsor and Pittsfield, VT.

GASSETTS GROUP, INC, Ludlow, VT

- Habitat assessment and mitigation planning for housing development impact on critical winter shelter for deer; projects in Ludlow and Chester, VT.

NEUSE, SMITH, ROPER & VENMAN, Middlebury, VT

- Habitat assessment and mitigation planning for housing development impact on critical winter shelter for deer, Starksboro, VT.

D. LAND T., Ltd., Randolph, VT

- Habitat assessment, cover type mapping and mitigation planning for housing development impact on critical winter shelter for deer, Randolph, VT.

TOWN OF SHERBURNE, VT

- Habitat assessment and mitigative consultation on diminishing impact of a golf course layout on critical winter shelter for deer.

BROMLEY MOUNTAIN, INC., Peru, VT

- Design and implementation of a two year black bear corridor crossing study as it relates to development planning using trained hounds for a scent survey in conjunction with a prepared track bed survey.

STOWE MOUNTAIN RESORTS, Stowe, VT

- Inventory and map critical black bear habitat; consultation on permit strategy and planning.

A. JOHNSON, COMPANY, Bristol, VT

- Habitat assessment, cover type mapping and mitigation planning for housing development impact on critical winter shelter for deer, Charlotte, VT.

NESHOBE GOLF CLUB, Brandon, VT

- Habitat assessment and mitigative planning to diminish impact of a golf course layout on critical winter shelter for deer and wetlands; habitat mapping and course layout using GPS equipment; coordinate all aspects of permit planning effort; compilation and submission of A-250 application; applicant representation through hearing process; assist in obtaining a pesticide use permit.
- Annual flow metering of the Neshobe River with electronic flow metering equipment to monitor minimum flow requirements for irrigation withdrawal.

BEAR KINGDOM, LTD., East Burke, VT

- Black bear travel corridor layout and negotiation as to impact with proposed development; field flagging of habitat and over-lay mapping using GPS technology.

JAY PEAK, Jay, VT

- Map critical black bear habitat via stereoscopic examination of aerial photography.

WINDHAM FOUNDATION, Grafton, VT

- Deer yard mapping and mitigation for cross country ski trails; habitat mapping and ski trail layout using GPS technology; black bear habitat assessment and GPS mapping.

MARK FOLEY, Rutland Town, VT

- Appraisal of private land for critical wildlife habitats; GPS mapping of property and habitats.

GREEN MOUNTAIN POWER, Searsburg, VT

- Appraisal and impact assessment of proposed wind turbines on critical wildlife habitats; design and implementation of long term black bear corridor crossing study; GPS mapping of critical habitats, structures and other project appurtenances; mitigation negotiation and presentation of expert testimony.
- Design and implement a mussel survey using SCUBA equipment in the tailwater of Vergennes hydroelectric facility.

CORPORACION EL CERRETO, Sherburne, VT

- Design and implementation of a black bear corridor crossing study; critical wildlife habitat appraisal and mapping using GPS equipment.

WASTE PROFESSIONALS OF VT, Moretown, VT

- Critical wildlife habitat appraisal, GPS mapping, and mitigative planning of an expanding landfill site; implementation of forest management practices for deer winter shelter enhancement.

LUZENAC AMERICA, INC., Reading, VT

- Wetland appraisal and reclassification of tailing sedimentation ponds.

VELCO, Rutland, VT

- Preliminary review of wildlife impacts associated with a 93 mile upgrade of the transmission line from West Rutland to Grand Isle.
- Design, construction and coordination of osprey nest platforms erected on transmission lines.

GEOMAPPING ASSOCIATES, LIMITED, Pittsford, VT

- Wildlife impact appraisal and GPS mapping of habitat and geological features at quarry sites in Wells, Dummerston, and Sheffield, VT.
- Wildlife habitat appraisal and planning for reclamation of mine tailing disposal ponds.

NORTHERN STAR SKI CORPORATION, East Burke, VT

- Design and implementation of a long term black bear corridor crossing study; critical wildlife habitat appraisal and mapping using GPS equipment.

CATAMOUNT ENERGY, Rutland, VT

- Wildlife habitat impact assessment and mitigation planning of a proposed wind turbine project, Manchester, VT.

- Wildlife habitat impact assessment and conceptual study planning including critical habitat documentation and corridor movement studies for a proposed wind turbine project, Londonderry, VT

enXco, Waterbury Ctr., VT

- Critical black bear habitat assessment and mapping with sub-meter GPS equipment, study scoping for determining impact to critical habitat from an expansion of the Searsburg wind turbine project, Searsburg, VT.

MOUNT SNOW, LTD., Dover, VT

- Design and implementation of a comprehensive study of deer and black bear use of the Mount Snow Ltd. land holdings