

**Expertise**

- Wetlands Evaluations
- Project Management
- Terrestrial Ecology
- Environmental Impact Assessment
- Wildlife Habitat Evaluation
- Mitigation Planning
- Botany
- Threatened & Endangered Species

**Years of Experience** 23

**Education**

- PhD, Botany, University of Washington, 1977
- MS, Botany, University of Utah, 1969
- BS, Zoology, University of Utah, 1967

**Experience**

Dr. Every has over 23 years of experience as an environmental consultant on wetland and terrestrial ecological issues throughout the United States including Alaska. He has managed several large and complex EISs. He has conducted or supervised baseline studies, habitat and resource inventories including threatened and endangered species studies, impact assessments, mitigation studies, reclamation planning, and permitting assistance for vegetation, wetlands, fish and wildlife habitat, and wildlife. He has extensive experience developing and negotiating mitigation plans, including mitigation banking. Projects have included thermal and wind power plants, hydroelectric facilities, transmission lines, pipelines, highways, port developments, mines, oil production, resource management projects (such as timber lands), and urban developments.

- ❑ ***Muckleshoot Indian Tribe, Washington.*** Project Manager and Principal Consultant for resolving a wetland fill violation and acquiring Corps of Engineers permits for a 20,000-seat amphitheater. Required wetland delineation, mitigation planning and design of restoration and compensatory mitigation wetlands, agency coordination, and help redesigning the facility. The project evolved to require an EIS and formal consultation under the Endangered Species Act for listed fish species, also managed by Dr. Every. Major issues included traffic and noise.
- ❑ ***WSDOT I-5 Widening Toutle Park Road.*** Task Leader for biological investigations, including wetland delineations, habitat studies, and impact assessments for approximately 40 mile corridor.
- ❑ ***WSDOT SR 161 Widening.*** Task Leader for biological investigations, including wetland delineations, impact assessments, and wetland mitigation planning.
- ❑ ***Sumas Energy 2 Generation Facility, Washington.*** Review and oversight of biological investigations and permits. Negotiated wetland mitigation issues with the State Department of Ecology.

- ❑ ***ARCO Cherry Point Substation, Washington.*** Project Manager for wetland delineation, permit applications for state, local, and federal permits, and for wetland mitigation for a proposed electrical substation and transmission line. Part of acquiring the wetland permits was the planning, design, and implementation of a 4-acre mitigation project.
- ❑ ***Goldendale Energy Project, Washington.*** Review and oversight of biological investigations and permits for a combustion turbine power plant and associated gas pipeline and electrical transmission line. Participated in a conditional use permit hearing by presenting information on wetlands and biological impacts.
- ❑ ***Washington Public Power Supply System, Washington.*** Task Leader for biological investigations and Corps of Engineers permits and mitigation for the Satsop Power Project, a proposed gas-fired combustion turbine electricity generating facility with associated natural gas pipeline. Investigations included wetlands, wildlife, fish, and threatened, endangered, and sensitive species. Ongoing work has included finding sites and completing a mitigation plan.
- ❑ ***Chehalis Power, Washington.*** Task Leader for biological investigations and Corps of Engineers permits and mitigation for the Chehalis Generation Facility, a proposed gas-fired combustion turbine electricity generating facility with associated natural gas and water pipelines. Investigations included wetlands, wildlife, fish, and threatened, endangered, and sensitive species.
- ❑ ***Bureau of Reclamation, Washington.*** Project Manager for developing a Resource Management Plan (RMP) and an Environmental Assessment for Banks Lake and an RMP and an Environmental Impact Statement for Potholes Reservoir. Primary issues involve conflicts between managing for the natural resources (e.g., fish and wildlife and their habitats) versus managing for the recreational value associated with them. The projects involve coordination between the various agencies managing the resources associated with the reservoirs, including the Washington Department of Parks and Recreation and Washington Department of Fish and Wildlife.
- ❑ ***Biological Investigations and Permitting, Olympic Pipe Line Company, Washington.*** Task Leader for biological investigations and Corps of Engineers permits and mitigation for the Cross-Cascades Pipeline Project, a proposed 230-mile long refined petroleum product pipeline extending from an existing pipeline system in western Washington to terminals in eastern Washington. In charge of permits associated with wetlands and stream crossings, threatened, endangered, and sensitive species, and the Biological Assessment for Endangered Species Act Consultation.
- ❑ ***Shoreline Permitting, Everett Parks & Recreation, Washington.*** Project Manager and consultant to the City of Everett in resolving a Shoreline Permit issue with the State Department of Ecology concerning the Lowell Riverfront Trail. Negotiated and created a shoreline restoration plan and a compliance agreement. Assisted in acquiring Corps of Engineers and Hydraulic Project Approval permits. A bank stabilization plan and specifications were developed using bioengineering (logs with rootwads anchored into the bank to hold the restored bank and provide fish refuge during high flows).
- ❑ ***Permitting Studies, Northwest Natural Gas, Oregon.*** Project Manager for permitting studies for a 40-mile pipeline. Studies included threatened and

endangered species, wetlands, protected areas, cultural resources, and habitat studies. Permits included Oregon Energy Facility Siting Council certificate (incorporating all state permits) and Corps of Engineers permit.

- ❑ ***Environmental Impact Statements, US Forest Service, Alaska Region.*** Managed the environmental impact statements (EISs), resource inventories, and initial timber harvest and transportation planning for the Tuxekan and Kosciusko Island timber sale projects. The issues include karst and cave protection, wildlife habitat, and socioeconomics. We used a new LIDAR (laser-based) technology for topography and orthophoto work.
- ❑ ***Boeing Company, Western Washington.*** Conducted wetland delineations, impact assessment, mitigation planning, permitting, and monitoring for large industrial sites. Managed the design and monitoring of two created mitigation wetlands using stormwater as the water source. One project included restoring a stream for trout habitat and creating a segment of new stream to link with the wetland.
- ❑ ***Stream and Wetland Studies, Cottrell Hydroelectric Project, Southern Washington.*** Conducted stream and wetland studies including delineation, functional value and impact assessment, mitigation planning and permitting. Permitting included an alternatives analysis under section 404 (b) (1) of the Clean Water Act and mitigation negotiations relative to the application for an individual permit from the Corps of Engineers.
- ❑ ***Environmental Impact Studies, U.S. Forest Service, Alaska Region.*** Managed the environmental impact statements (EISs), resource inventories, and initial timber harvest and transportation planning for the Ushk Bay and Eight Fathom timber sale projects. These timber sales areas encompass from 45,000 to 130,000 acres of mostly unroaded land adjacent to wilderness north of Sitka, Alaska. The projects involved extensive field work in remote camps and a large GIS analysis and mapping effort. Wildlife issues included candidate endangered species, habitat conservation areas, old-growth habitat relative to key species, and biodiversity.
- ❑ ***Natural and Cultural Resource Inventories, Seattle Water Department, Washington.*** Managed URS' diverse team of professionals in developing natural and cultural resource inventories and a long-term management plan for the City of Seattle's 90,000-acre Cedar River Municipal Watershed. Focus of the inventories included timber, wildlife and fish habitat, hydrology, roads, and cultural resources. The central component of the integrated management system is a Geographic Information System (GIS) coupled with a computerized timber resource management information system. With the system, the City is able to manage on a landscape basis for various species and resources, including both old-growth dependent species and second-growth timber.
- ❑ ***Bonneville Power Administration, Northeastern Washington.*** Participated in scoping meetings and prepared vegetation, wetlands, agriculture, wildlife, and threatened and endangered species sections of the Environmental Assessment (EA) for the Boundary-Spokane/Colville Valley transmission project.
- ❑ ***Animal and Plant Health Inspection Service, Animal Damage Control, USDA.*** Served as Principle Investigator for the Pacific and Northern Plains Regions to collect and analyze data and write sections of a Programmatic Environmental Impact Statement (EIS) of national scope. The EIS evaluated federal program alternatives to

control animal damage to crops, livestock, structures, and to human health and safety. It focused on biological, economic, and sociocultural effects of controlling offending animals or populations by lethal and nonlethal methods. It included an ecological risk assessment of potential impacts of pesticides, especially on threatened or endangered species.

- ❑ **Hearings and Litigation Support, Various Locations.** Provided expert testimony and written depositions for hearings on land use appeals concerning wetlands and wildlife habitat and on disputed wetland permitting projects.

#### **Additional Professional History**

- ❑ **Senior Terrestrial Ecologist, EnviroSphere Company, Bellevue, Washington, 1983-1988.** Responsibilities included project management, proposals, and conducting vegetation, wetlands, wildlife, and habitat studies, impact assessments, and mitigation planning.
- ❑ **Seattle City Light Study of Skagit Dam's Original Impacts, Northwestern Washington.** Directed the habitat inventory of the 20,000 acre study area, including GIS-produced working maps and acreage calculations for 44 cover types. Used pre-impoundment Forest Service maps, photographs, and pre- and post-impoundment aerial photographs to generate cover type maps. Participated in HEP team meetings and directed an interagency field team in data collection. Contributed to the analysis and authored report sections as part of the FERC relicensing efforts for these hydroelectric facilities.
- ❑ **Port of Vancouver, Columbia River Lowlands Habitat Studies, Southwestern Washington.** Conducted the habitat inventory of the 13,000 acre study area's 10 habitat types, including several wetland types. The Habitat Evaluation Procedure was used for both fish and wildlife as a basis for establishing mitigation for future port development.
- ❑ **Seattle City Light Transmission Right-of-Way Inventory, Western Washington.** Served as project manager and principal investigator for the initial inventory of vegetation, soils, land use, access, and other features along 250 miles of transmission line right-of-way. Established management units and set up a data base as the basis of an integrated vegetation management system to prevent tree growth from interfering with transmission lines without the use of pesticides.