

**APPENDIX A:**  
**Curricula Vitae - Resume**

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## **Joseph D. Leyda – Curricula Vitae - Resume**

### **DEGREES**

M.A.: Biology. College of William & Mary in Virginia.

B.S.: Biological Sciences. University of New Orleans.

Certified Professional Wetland Scientist (PWS) by Society of Wetland Scientists.

Certified Ecologist by Ecological Society of America.

### **ELEVEN YEARS PROFESSIONAL EXPERIENCE**

**Leyda Consulting, Inc.** Vancouver, WA. President. Wetland consulting, expert testimony, litigation support, research, permitting, restoration design, monitoring.

**Parametrix.** Portland, OR. On-call scientist delineating wetlands for City of Albany canal access improvements.

**PBS Engineering + Environmental, Inc.** Vancouver, WA & Portland, OR. Senior Wetland Scientist. Wetland delineation to Oregon DSL standards, mitigation construction document production and design review for major projects, wetland hydrology modeling. Clients include Oregon Department of Corrections, Oregon Department of Human Services; Clark County, WA Public Works; Clark County, WA Parks & Recreation; Seal Rock, OR Water District; Oregon Military Department; City of Albany, OR Public Works. Supervised staff members for wetland delineation. Mitigation monitoring, installation, GPS mapping, AutoCAD drafting.

**Alkai Consultants, LLC.** Silverdale, WA. Natural Resource Division Manager. Wetland delineation, mitigation. Lobbying Washington state legislators for wetland policy. Authored three green papers for integrated surface water management in China, and for the Kurdish Regional Government of Iraq for a US Department of Commerce Trade Delegation.

**Jones Engineers, Inc.** Bellingham, WA. Environmental Department Head. AutoCAD drafting. Analysis of local proposed Critical Areas Ordinances and Shorelines Master Programs, meeting with Bellingham City Council and Mayor. Oligotrophic lake phosphorus dynamics, stormwater filtration system design, water quality monitoring protocol design, hydraulic project approval (in-water). Survey chainman.

**Cantrell & Associates, Inc.** Bellingham, WA. Biologist and Lead Wetland Project Manager on Corps permits. Wetland/stream delineations, wetland, upland, and riparian restoration plans, wetland creation plans, wildlife habitat studies, SEPA review, hydraulic project approvals (in-water work). Design-build wetland mitigation. Mitigation site maintenance, tree planting, weed control. GIS, AutoCAD, surveying, vegetation monitoring. Great blue heron nest colony monitoring, bald eagle nest monitoring, osprey nest monitoring, fisher ecology, beaver ecology and habitat assessment, West Nile virus ecology, bird identification, herpetology. Biological Assessment (ESA listed species, coho salmon), wildlife habitat assessment. Salmonid rearing pool design.

### **WETLAND SCIENCE & ECOLOGY**

Wetland and stream delineation in Washington and Oregon, forensic and Food Security Act wetland delineation, wetland land surveying, functional assessment, HGM classification, best available science, hydrologic monitoring. Trained in WA Dept. of Ecology revised Wetland Rating System. Trained in Oregon Rapid Wetland Assessment Protocol; served as a tester for DSL during development.

### **MITIGATION & RESTORATION DESIGN**

Wetland construction documents, grading plans, stormwater treatment integration, wetland and upland mitigation design, soil and groundwater analysis, wildlife habitat enhancements, and herbivore protection. Integrated maintenance design, mitigation monitoring. Modeling hydrology for created wetlands.

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### **WETLAND, RIPARIAN, & BUFFER PERMITTING**

Section 404 Nationwide and Individual permits, 401 water quality certifications, JPA/JARPA submittal, prior converted croplands, isolated wetland designation, Rapanos guidance. WA HPAs (in-water work), SEPA. Local Critical Areas and Shoreline permitting in counties and cities in Washington for commercial, industrial, and residential projects.

### **WILDLIFE BIOLOGY, EDUCATION & VETERINARY WORK EXPERIENCE**

**Oregon Department of Fish & Wildlife.** Roseburg, OR. SCA Intern. Black-tailed deer mortality study, Umpqua National Forest. Trap site selection, trap monitoring, deer collaring, volunteer training, volunteer coordination, data and spatial analysis, study site mapping, helicopter elk counting, deer counting, airplane telemetry tracking, turkey trapping, bald eagle counting.

**National Avian Research Centre, Abu Dhabi.** Falcon Facility, Carmarthen, Wales, UK. Volunteer Intern and Falconer. Facility maintenance and construction, making hoods, jesses, leashes, lures, radio telemetry tracking, hacking falcons, manning eyas falcons, imprinting eyases, hand feeding, training falcons and hawks, including peregrine, saker, gyrfalcon, New Zealand falcon, hybrids of those species, Harris' hawk; hunting falcons on crows, hunting hawks on rabbits, field assistant for Northumberland Crow Falcons mounted meet.

**College of William & Mary Biology Department.** Williamsburg, VA. Teaching Assistant, Graduate Assistant. Teaching biology laboratory, field techniques. Entomology laboratory assistant, collection repair and maintenance, construction of aquaria and terraria, insect collecting and identification, keying.

**Louisiana SPCA Animal Hospital.** New Orleans, LA. Veterinary Technician. Initial client history, vaccination scheduling, worming, IV/subcutaneous injections, blood draw, adoption physicals, lab tests (occult heartworm, feline leukemia, fecal float, PCV), skin scrapes, IV catheter insertion, medicating patients, pharmacy tech, X-rays, emergency assistant. Accepted to Tufts University College of Veterinary Medicine.

**Audubon Zoological Garden.** New Orleans, LA. Keeper Intern. Keeper duties in LA Swamp Exhibit; filled in for keepers on their days off. Exhibits included bald eagle, alligators, raccoons, gopher tortoise, black bears, cougars, venomous and non-venomous snakes, turtles, various fishes and amphibians, otters, nutria, white alligators.

**Louisiana Nature & Science Center, Inc.** New Orleans, LA. Contract Teacher. Animal care of native LA reptiles, amphibians, raptors, mammals, rehab assistant, animal restraint, medication, cage cleaning, exhibit maintenance; live animal presentations to general public and school groups, outreach programs, raptor flight shows. Exhibit building.

### **PUBLICATIONS (INCLUDES ALL IN THE LAST TEN YEARS)**

Leyda, Joseph D. "Work on the Pipes: Get Qualified Voices and Start at the Top." Northwest Voices. *The Seattle Times* 15 May 2008, B11.

– "Wetland Mitigation Bank Needed to Avoid Gobbling Up Usable Land." Guest columnist. *Bellingham Herald* 21 Nov. 2005, A9.

Leyda, Joe. "Raptor Vision." *The Best of Falconer's World*. Comp. And ed. Brian Tallon. Warrens: Better Hawking Books EagleWing Publishing, 2004. 82-85.

– "Raptor Vision." Falconer's World Online, November 2002. (Web site closed).

Leyda, Joseph D. "Raptor Vision." *Hawk Talk*: Summer 1999. pp. 52 – 55.

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**SELECTED TECHNICAL REPORTS**

- Leyda, Joseph D. 2011. Expected Ecological Effects of the Wal-Mart Wetland Destruction Proposal. Citizens for Responsible Development, Proposed Wal-Mart Site, The Dalles, OR. Leyda Consulting, Inc.
- 2010. Wetland and Wildlife Review: Friends of Rock Creek, Proposed Poole Quarry Site, Clackamas County, OR. Leyda Consulting, Inc. 16 pp. text, 3 figures, 57 pp. wetland functional assessment.
  - 2010. Sensitive Species Found In Area: Friends of Rock Creek, Proposed Poole Quarry Site, Clackamas County, OR. Leyda Consulting, Inc. 7 pp. text, 3 figures, Oregon Biodiversity Information Center Sensitive Species Information.
  - 2010. Construction Documents & Hydrologic Model: Oregon Department of Corrections, Junction City Prison Mitigation, Junction City, OR. PBS Engineering, Inc. 22 pp. (engineering sheets).
  - 2009. Wetland Delineation Report: Clark County Public Works, East Minnehaha Neighborhood Park, Clark County, WA. 8 pp., 5 figures, 4 data forms, wetland ratings. PBS Engineering, Inc. 22 pp. (engineering sheets).
  - 2008. Green Paper: Integrated Surface Water and Agricultural Laws to Protect Water Quality in Kurdish Regional Government, Kurdish Regional Government, Iraq. Alkai Consultants, LLC. 8 pp.
  - 2007. Professional Wetland Scientist Practice Act: submitted to Washington State Representative Steve Conway, Washington State Legislature, WA. Personal submission. 30 pp.
  - 2004. Wetland Delineation Report: Vancouver-Clark Parks & Recreation Department, Lower Daybreak Park, Clark County, WA. PBS Engineering, Inc. 20 pp. text, 25 figures, 45 data forms, and functional assessment.
  - 2004. Wetland Mitigation Plan: JNC Properties, LLC, Pioneer Meadows, Ferndale, WA. Cantrell & Associates, Inc. 45 pp.
  - 2004. Wetland Mitigation Plan: South Church LLC, Skyview Subdivision, Ferndale, WA. Cantrell & Associates, Inc. 84 pp.
  - 2004. Wetland Mitigation Plan: Larry Blomquist, Thornton Road Properties, Ferndale, WA. Cantrell & Associates, Inc. 29 pp.
  - 2004. Wetland Mitigation Plan: John Harder, Drayton Harbor Road Properties, Whatcom County, WA. Cantrell & Associates, Inc. 42 pp.
  - and William G. Cantrell. 2004. Wetland Delineation Report: South Church LLC, Skyview Subdivision, Ferndale, WA. Cantrell & Associates, Inc. 20+ pp. text, figures, 129 data forms, functional assessment.