

## ALLISON L. BIDLACK

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### Education:

B.S. in Resource Ecology and Management, University of Michigan, 1992  
M.S. in Biology, University of Alaska Fairbanks, 2000  
Ph.D. in Environmental Science, Policy and Management, University of California, Berkeley, 2007

### Appointments:

2012-present Director, Alaska Coastal Rainforest Center, University of Alaska Southeast  
2009-2012 Science Coordinator, Ecotrust Copper River Program

### Publications:

- Trubilowicz JW, Floyd WJ, D'Amore DV and **AL Bidlack**. *in review*. Satellite monitored snow cover in western North America: a comparison of water year 2015 to median conditions. *84th Western Snow Conference Proceedings*.
- O'Neel S, Hood EW, **Bidlack AL**, Fleming SW, Arimitsu ML, Arendt A, Burgess E, Sergeant CJ, Beaudreau AH, Timm K, Hayward GD, Reynolds JH, and S Pyare. 2015. Icefield – to – ocean linkages across the northern Pacific coastal temperate rainforest ecosystem. *BioScience* 65:499-512.
- Buma B, Hennon PE, **Bidlack AL**, Baichtal JF, Ager TA and G Streveler. 2014. Correspondence regarding “The problem of conifer species migration lag in the Pacific Northwest region since the last glaciation” by Elias, S.A., (2013), *Quaternary Science Reviews* 77, 55–59. *Quaternary Science Reviews* 93:167-169.
- Bidlack AL**, Benda LE, Miewald T, Reeves GH and G McMahan. 2014. Identifying suitable habitat for Chinook salmon *Oncorhynchus tshawytscha* across a large, glaciated watershed. *Transactions of the American Fisheries Society*. *Transactions of the American Fisheries Society* 143:689-699.
- Rand PS, Berejikian B, **Bidlack AL**, Bottom D, Gardner J, Kaeriyama M, Lincoln R, Nagata M, Pearsons T, Schmidt M, Smoker W, Weitkamp L, and L Zhivotovsky. 2012. Ecological interactions between wild and hatchery salmon and key recommendations for research and management actions in selected regions of the North Pacific. *Environmental Biology of Fishes* 94:343-358.
- Reed SE, **Bidlack AL**, Hurt A, Merenlender AM and WM Getz. 2011. Factors affecting detection distance and rate in conservation detection dog surveys. *Journal of Wildlife Management* 75:243-251.
- Bidlack AL**, Merenlender A and WM Getz. 2007. Distribution of non-native red foxes in East Bay oak woodlands. In Proceedings of the 6<sup>th</sup> California Oak Symposium: Today's Challenges, Tomorrow's Opportunities. USDA Forest Service General Technical Report.
- Bidlack AL**, Reed SE, Palsbøll PJ and WM Getz. 2007. Characterization of a western North American carnivore community using PCR-RFLP of cytochrome *b* obtained from fecal samples. *Conservation Genetics* 8:1511-1513.
- Bidlack AL**. 2007. Mesocarnivore responses to changes in habitat and resource availability in California. PhD Dissertation. University of California, Berkeley.
- Bidlack AL** and JA Cook. 2002. A nuclear perspective on endemism in northern flying squirrels (*Glaucomys sabrinus*) of the Alexander Archipelago, Alaska. *Conservation Genetics* 3:247-259.
- Cook JA, **Bidlack AL**, Conroy CJ, Demboski JR, Fleming MA, Runck AM, Stone KD and SO MacDonald. 2001. A phylogeographic perspective on endemism in the Alexander Archipelago of Southeast Alaska. *Biological Conservation* 97:215-227.
- Bidlack AL** and JA Cook. 2001. Reduced genetic variation in insular northern flying squirrels (*Glaucomys sabrinus*) along the North Pacific Coast. *Animal Conservation* 4:283-290.

### **Research Grants and Awards:**

- Bidlack AL**, Buma B and DW Butman. RCN: Coastal Rainforest Margins Research Network - understanding materials flux in linked terrestrial and marine ecosystems in the face of climate change. National Science Foundation (\$499,000; 2016-2020)
- Bidlack AL** and JR Bellmore. Modeling stream ecosystem dynamics to support river restoration and management. US Forest Service Pacific Northwest Research Station (\$128,000; 2016-2017)
- Fellman J, **Bidlack AL** and EW Hood. Coastal margin carbon cycles in the Alaskan perhumid coastal temperate rainforest. US Forest Service Pacific Northwest Research Station (\$120,000; 2015-2017)
- Bidlack AL**, Fellman J, and D D'Amore. Stream discharge and water balance of coastal Alaskan watersheds. US Forest Service Pacific Northwest Research Station (\$58,000; 2015-2017)
- Hood EW and **AL Bidlack**. Ice2O: assessing icefield-to-ocean change in the Pacific coastal temperate rainforest. DOI Alaska Climate Science Center (\$36,000; 2015-2016)
- Buma, B and **AL Bidlack**. Alaska yellow-cedar decline impact assessment and restoration baseline. US Forest Service (\$30,000; 2015-2016)
- Bidlack AL**, Clark C, and B Vander Naald. A market characterization of salvaged yellow-cedar wood products in southeast Alaska: opportunities for innovation, expansion, and community economic development. US Forest Service (\$173,000; 2015-2016)
- Fellman J, **Bidlack AL** and EW Hood. Flux and fate of carbon in terrestrial and aquatic ecosystems at the ocean margin of the Alaskan perhumid coastal temperate rainforest. US Forest Service Pacific Northwest Research Station (\$70,000; 2014-2015)
- Bidlack AL**, D D'Amore. Stream discharge, snow-cover, soil drainage and yellow-cedar decline in the NPLCC region of southeast Alaska. US Forest Service Pacific Northwest Research Station (\$40,000; 2014-2015)
- Bidlack AL**, Vander Naald B, and D D'Amore. A characterization of the specialty wood products market in Southeast Alaska. US Forest Service Pacific Northwest Research Station (\$50,000; 2013-2014)
- Bidlack AL** and GH Reeves. Impacts of climate change of Chinook habitat suitability. National Fish and Wildlife Foundation (\$46,160; 2012-2013)
- Jackson J and **AL Bidlack**. Martin River and Bering River water rights. Alaska Sustainable Salmon Fund (\$70,900; 2012-2014)
- McCall Valentine E, **Bidlack AL**, and E Backus. Sustainability of renewable natural resources in the Copper River watershed of Alaska. Gordon and Betty Moore Foundation (\$1,399,800; 2011-2013)
- Bidlack AL** and M Mertens. A conservation priorities tool for the North Pacific Landscape Conservation Cooperative. US Fish and Wildlife Service (\$95,700; 2012)
- Dann T, Moffitt S, **Bidlack AL**, Brenner RE, and C Habicht. Prince William Sound Sockeye Salmon genetic structure. National Fish and Wildlife Foundation (\$37,300; 2011-2013)

### **Teaching:**

- Graduate Student Instructor (UAF and UC): Biochemistry; Genetics; Wildlife Ecology; Conservation Biology
- Instructor (UAF): Molecular Laboratory Methods

### **Synergistic Activities:**

- *Principal Investigator*, RCN: Coastal Rainforest Margins Research Network - understanding materials flux in linked terrestrial and marine ecosystems in the face of climate change (National Science Foundation)
- *Leadership Team Member and Co-Investigator*, Alaska Climate Science Center
- *Alternate*, Federal Advisory Committee on Climate Change and Natural Resource Science (ACCCNRS)
- *Member*, Juneau Economic Development Council Research and Development Cluster
- *Research Associate*, University of Alaska Museum of the North