

**Seattle City Light – Skagit River Hydroelectric Project (P-553)
List of Funded Wildlife Research Grant Projects**

Year	Project Name	Amount
1999	Do Introduced Trout Reduce the Genetic Integrity of long-toed Salamanders in High Elevation Lakes	\$51,667
1999	Grizzly Bear Presence and Population Estimate for the North Cascades	\$61,331
2000	Grizzly Bear Presence and Population Estimate for the North Cascades	\$25,000
2000	Species Identification and Genetic Differentiation Among Rapid Frog Populations in the Skagit River Watershed	\$29,642
2000	Pilot Study to Develop a Long-term Landbird Monitoring Program at North Cascades National Park Service Complex	\$20,000
2000	Macroinvertebrate drift in non-fish bearing streams within the North Cascades Ecoregion	\$15,000
2000	Habitat Selection by Lynx in the North Cascades	\$74,555
2001	Avian Distributions and Habitat Relationships Across North Cascades National Park Service Complex	\$44,200
2001	Macroinvertebrate Drift in Headwater Streams of the North Cascades	\$39,052
2003	Grizzly Bear Outreach Project Evaluation	\$49,952
2003	Mountain Goat Habitat Relations in the North Cascades	\$59,137
2003	Potential impact of regulated flows on the life history and ecology of black cottonwood along the Skagit River	\$58,771
2005	Mountain goat sightability surveys	\$32,625
2006	Wolverine distribution and ecology in the north cascades	\$32,270
2006	Clark's nutcracker habitat use and relative abundance in the Cascade range	\$78,900
2006	Space use and habitat selection by dunlin in the Skagit river delta	\$50,782
2007	Lynx Cycles and Barriers: Evaluating dispersal versus climate change in flatlining populations	\$20,000
2007	Identifying Key Habitats and Spatial Requirements of Mountain Goats in the North Cascades	\$40,000
2007	Mountain Goat Conservation in the Washington Cascades: a Genetic Approach	\$30,070
2008	Wolverine Distribution and Ecology in the North Cascades Ecosystem	\$47,950
2008	Factors Affecting Spotted Owl Persistence in Northwest Washington: A 20 year Retrospective:	\$64,000
2009	Canada Lynx Conservation in the North Cascades: habitat use of GPS marked animals.	\$75,699
2009	The Cascades Carnivore Connectivity Project: Evaluating Habitat Connectivity for Carnivores in Washington's Cascade Mountains	\$70,000
2009	Pilot Study on factors affecting pika population dynamics in the North Cascades Ecosystem	\$57,920
2010	Cascades Carnivore Connectivity Project: Year 2	\$32,000
2010	Factors affecting pika population dynamics in the North Cascades National Park Service Complex	\$32,000
2011	Ecology and Conservation of the Western Gray Squirrel (<i>Sciurus griseus</i>) in the North Cascades	\$31,420
2011	Climate and Habitat Factors Affecting Pika Populations in the North Cascades National Park Service Complex: Year Three	\$12,000
2011	Cascades Carnivore Connectivity Project: Year 3	\$42,000
2012	Wolverine Distribution and Ecology in the North Cascades Ecosystem – Argos satellite telemetry	\$22,146
2012	Evaluating the Impacts of Hydroelectric Dams and Elevation Gradients on Amphibian Population Genetic Structure	\$40,000
2012	Assessing Population Connectivity of American Pikas in the Cascades Using a Landscape Genetic Approach	\$25,639
2012	Landscape Effects on Connectivity and Genetic Diversity of Cougar (<i>Puma concolor</i>) Populations in Washington	\$6,471
2013	Climate Effects on Mesocarnivores	\$24,052
2013	Wolverine Distribution and Ecology in the North Cascades Ecosystem	\$32,400
2013	Investigating the Genetic Basis Of Climate Adaptation In The American Pika	\$36,816
2013	Modeling Elk (<i>Cervus elaphus</i>) Highway Crossing Behavior	\$4,835
2014	Do wolves indirectly affect deer neonate survival by suppressing coyotes?	\$51,864
2014	Assessing biodiversity and connectivity of cold-adapted alpine insects	\$10,000
2014	Methow Beaver Project	\$31,000
2015	Evaluation of Population Augmentation Scenarios for Mountain Goats (<i>Oreamnos americanus</i>) in the Cascade Range	\$26,027
2015	Climate Change and Canada Lynx in the Cascades: building a better understanding of southern range dynamics of a threatened species	\$26,234
2015	Interactions between wolves and cougars in NE Washington	\$46,173
2015	Fine-scale habitat suitability for mountain goat restoration in the North Cascades	\$15,594
2016	Determining the value of post-fire landscapes for American marten	\$63,825
2016	Resilience of Alpine Mammals to Weather Anomalies Associated with Climate Change	\$35,675
2016	Assessment of the Status and Distribution of Canada lynx in Washington: Large-scale Camera Surveys in the Okanogan	\$54,448
2017	Fawn Fates: Survival and Recruitment of Black-tailed Deer Fawns in the Nooksack and Sauk Game Management Units	\$41,562
2017	Mechanisms of Wood Decay in PNW Snags	\$9,570
2017	Characterizing habitat connectivity and gene flow of the montane butterfly, <i>Parnassius clodius</i> , in the North Cascades	\$7,000
2017	Landscape scale movement, habitat selection and resource tracking by the Clark's nutcracker, a conifer seed disperser	\$42,360
2018	Effects of Montane Carnivores on Marmot Declines in North Cascades National Park	\$35,870
2018	Maximizing Restoration Success for Fishers in the North Cascades	\$49,191
2018	Snowshoe hare population ecology in lynx-occupied areas of Washington	\$20,194