

Karl Martin Seitz

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ACADEMICS

Simon Fraser University

Master of Science in Biology

Expected Graduation May 2019, GPA 4.00/4.33

Research project: Relating outmigration status to usage patterns of juvenile coho salmon (*Oncorhynchus kisutch*) in the Koeve River estuary

Adviser: Jonathan Moore

School of Aquatic and Fishery Sciences, University of Washington

Bachelor of Science in Aquatic and Fisheries Sciences

Graduated December 2015, GPA 3.96/4.0

Capstone research: Effects of anadromous salmon recolonization on the trophic niches of resident trouts

Adviser: Peter Kiffney, NOAA Research Scientist

University at Buffalo, The State University of New York

Bachelor of Science in Biological Sciences, Concentration in Ecology and Evolution, Minor in Geology

Graduated February 2012, GPA 3.142/4.0

CURRENT RESEARCH

Investigating how juvenile coho salmon utilize the estuarine environment of the Koeve River. Performing a mark-recapture study to track coho estuarine residence time, habitat use, and the possibility of multiple life history strategy expressions.

Examining how tidally influenced marsh channels within the Koeve River estuary are utilized by fishes, with an emphasis on their use by juvenile coho salmon. Specifically, how channel size and complexity relates to fish benefits and if the marsh channels act primarily as foraging grounds or as resource pumps to the fish in the main river channel.

AWARDS AND HONORS

Galloway Applied Fishery Sciences Scholarship (UW) – 2015 - Scholarship awarded to UW SAFS undergraduates who demonstrate financial need and have an academic focus on applied fishery science

Anacortes Salmon Derby Continuing Education Scholarship (UW) – 2014 – Scholarship awarded to undergraduates pursuing degrees in fisheries science with intent to enter into fisheries management

New York State Scholarship for Academic Excellence (UB) – 2007-2011 – Scholarship awarded to New York State high school graduates exhibiting outstanding marks on the state regents examinations

Provost Scholarship (UB) – 2007-2011 – Scholarship awarded to incoming freshmen who demonstrate high academic performance prior to acceptance and maintain this performance during enrollment

RELEVANT WORK EXPERIENCE

Kodiak Regional Aquaculture Association – Research and Monitoring – Kodiak, AK

Fisheries Technician 3 – March to August 2016

Kodiak Regional Aquaculture Association – Kitoi Bay Hatchery – Afognak Island, AK

Fisheries Technician 1 - August to November 2012, March to April 2016

Washington Department of Fish and Wildlife – Issaquah Salmon Hatchery – Issaquah, WA

Hatchery Technician – November 2013 to June 2014

Kodiak Regional Aquaculture Association – Pillar Creek Hatchery – Kodiak, AK
Fisheries Technician 1 - July to October 2013

INTERNSHIPS

U.S. Army Corps of Engineers, Fisheries Field Unit, Bonneville Dam – Cascade Locks, OR
Sea Lion Observation Intern - January to June 2013
Kodiak Regional Aquaculture Association - Kodiak, AK
Fisheries Intern - May to August 2012

VOLUNTEER EXPERIENCE

NOAA Northwest Fisheries Science Center – Watershed Program – Seattle, WA, April 2015 - Present
University of British Columbia, Department of Zoology – Cedar River, WA, June – August 2015
Oregon Department of Fish and Wildlife – The Dalles/Astoria, OR, March to May 2013
Earth Spirit Educational Services – Orchard Park, NY, March – April 2012
New York State Department of Environmental Conservation – Holland, NY, November 2011

EXTRACURRICULAR SCIENTIFIC PROGRAMS

Howard Hughes Medical Institute Summer Scholars Program – Stony Brook, NY
June to August 2006
Acadia Institute of Oceanography – Seal Harbor, ME
July to August 2005

AFFILIATIONS AND SOCIETIES

American Fisheries Society – Member – December 2014 to Present
Sierra Club – Member – November 2013 to Present
Wildlife Society – Member – September 2012 to October 2013

OTHER RELATED WORK EXPERIENCE

Wild Salmon Seafood Market – Seattle, WA
Fish Monger – June 2015 to January 2017
Puget Sound Energy - Snoqualmie Falls Park – Snoqualmie, WA
Park Attendant – June to September 2014