

Skyler Elmstrom

LinkedIn: www.linkedin.com/in/selmstrom Portfolio: <https://skylerelmstrom.wordpress.com/>

Formal Education:

- Environmental Science, B.S., GIS minor (Summer 2019); Western Washington University.
- GIS Certificate; Western Washington University.
- GEOINT Professional Certification - Fundamentals (GPC-F); National Geospatial-Intelligence Agency, Springfield, VA. 2013.
- Intermediate Spectral Exploitation and Analysis; National Geospatial-Intelligence Agency, Springfield, VA. 2012.
- Basic Geographic Intelligence Specialist (BGIS) Course; USMC, Fort Belvoir, VA; National Geospatial-Intelligence Agency, Springfield, VA. 2011.

Experience:

GIS Consultant; Joule Group, LLC. Bellingham, WA. November 2017 - May 2018.

- Provided geospatial products tailored to remote project locations
- Evaluated costs, feasibility of sUAS Structure-from-Motion products for project infrastructure
- Interpreted engineering plans, cross-checked calculations, and exported AutoCAD ready GIS data
- Compiled and managed project GIS database

Student Professional; Oregon Department of Fish and Wildlife, Shellfish and Estuarine Assessment of Coastal Oregon Team. Newport, Oregon. June - August 2016.

- Evaluated sUAS platforms and sensors and their utilization in estuarine environments
- Responsible for UAV imagery processing and analysis
- Assisted with recreational clam population surveys
- Assisted with estuarine experiment design and setup
- Assisted with data collection and data entry
- Collaborated with and supported public engagement events to promote estuary knowledge and awareness

GIS Specialist, Team Leader, Report Co-author; Mukilteo Salmon and Wildlife Monitoring Project, Edmonds Community College, Anthropology Department. Lynnwood, Washington. Winter 2015 - 2017.

- Led volunteer survey teams to collect geospatial and observational data from streams in Mukilteo, WA in an ongoing partnership to assess salmon habitat restoration and mitigation banking efforts in advance of major improvements to the Snohomish County Airfield
- Produced geospatial analyses with collected data for use in reports
- Updated and maintained project GIS database
- Responsible for project data stewardship and data quality assurance
- Co-authored technical reports for 2016 and 2017 salmon monitoring seasons
- Presented survey findings at the 2016 Northwest Anthropological Conference

Sergeant, Geospatial Intelligence Analyst, Geodetic Surveyor; United States Marine Corps, 1st Intelligence Battalion. Camp Pendleton, California. September 2010 - December 2014.

- Created tailored geospatial intelligence products in support of defense operations

- Survey Team Leader and stood-in for Survey Chief and Survey Officer-In-Charge in 2014
- Assisted with planning, budgeting, and executing high-precision aeronautical landing site surveys in partnership with the National Geospatial-Intelligence Agency (NGA)
- Wrote and executed training curriculum for incoming team members
- Co-authored guidance to the Marine Corps on conducting aeronautical surveys in accordance with NGA Terminal Aeronautical GNSS Geodetic Survey standards

Presentations:

- “Shellfish and Estuarine Assessment of Coastal Oregon: An Aerial Perspective,” Summer Scholar Symposium, Oregon Sea Grant Summer Scholars Program. 2016
- “A Spatial Perspective of the Fish and Wildlife of Mukilteo Gulches,” Environmental Anthropology Symposium, Northwest Anthropological Conference. 2016
- “Tribal Youth Pull to Muckleshoot: Student Perspectives,” Environmental Anthropology Symposium, Northwest Anthropological Conference. 2016

Citizen Science and Community Service:

- Invasive Crayfish Monitoring; Thomas Lake Estates, Mill Creek, Washington. Ongoing
- Nooksack Salmon Enhancement Association Volunteer; Whatcom County, Washington. Ongoing
- Amphibian Monitoring Program Volunteer; Whatcom Land Trust. 2016
- Volunteer/GIS Analyst; Pacific Shellfish Institute. 2015
- Tribal Canoe Journey Assistant and Participant; Samish Nation, Anacortes, Washington. 2015
- Community Science Volunteer; Edmonds Community College. 2015

Other services:

- Community park improvement
- Community event volunteering
- Edmonds Community College campus farm volunteer
- LEAF school outreach
- Ecosystem restoration
- Macroinvertebrate sampling
- Water quality analysis
- Wildlife monitoring
- Ethnobotany/Foraging

Awards and Recognitions:

Oregon Department of Fish and Wildlife Team Symbiosis Award (2016)
 Oregon Sea Grant Science Communication Award (2016)
 Oregon Sea Grant Summer Scholar (2016)
 Whatcom Community College Dean’s List Scholar (2016)
 Presidential Volunteer Service Medal - Silver (2016)
 Navy Achievement Medal (2014)
 Navy Achievement Medal (2013)
 Certificate of Commendation (2013)
 Good Conduct Medal (2013)
 Certificate of Commendation (2013)