



## ALEXIS HUYNH

Staff Scientist

Alexis is a dedicated and detail-oriented environmental professional working on freshwater and marine projects. She is particularly adept at analyzing complex data through GIS software such as ESRI's ArcGIS Suite. Alexis also performs activities such as critical areas studies, stream and nearshore surveys, and research and synthesis. She is familiar with local, state, and federal environmental policies and regulations, and she conducts regulatory research and prepares documentation to meet local (e.g., critical areas), state (e.g., State Environmental Policy Act), and federal (e.g., Endangered Species Act) regulatory requirements. Her experience includes projects based in Washington and California.

### Representative Projects

**Clinton Passenger-Only Ferry Dock Replacement Project, Port of South Whidbey, Clinton, WA.** *Staff Scientist.* Alexis is performing GIS Analysis to support permitting of this passenger ferry dock replacement project on the shoreline of Whidbey Island in the community of Clinton, Island County, Washington. The new dock floats will be compatible with future passenger-only ferry service.

**GIS Analysis, California Department of Transportation (Caltrans), San Luis Obispo, CA.** *Student Assistant.* Evaluated web services from state agency sites to ensure usage of accurate, credible, and updated data. Performed spatial and mapped point density for zero emission vehicle (ZEV) charging station data in California. Geocoded 600+ records of tabular data through internal custom ArcGIS processing tools to display and analyze locations of broadband-related permits.

**Hydrology Consulting Reports, California Polytechnic State University (Cal Poly), San Luis Obispo, CA.** Collected and analyzed data on riparian conditions for watershed health implementation. Performed research and organized hydrologic data to compile information in ArcGIS. Conducted spatial analysis of raster data to effectively contribute maps to reports.

**Environmental Constraints Analysis, Cal Poly, San Luis Obispo, CA.** *GIS Coordinator.* Led the configuration of maps to best represent environmental issue areas on the project site. Used open source data to import layers into ArcGIS Pro. Plotted XY data as a point feature from Excel files to display relevant air monitoring stations.

**ArcGIS Hub Project, California Polytechnic State University (Cal Poly), San Luis Obispo, CA.** *Project Manager.* Delegated project responsibilities to team members to complete tasks in a timely manner. Designed a practical and user-friendly interface to integrate and display accessible GIS data. Prepared data in ArcGIS Online to create web maps and applications for Hub sites.

**Workforce Education Programs for Forest, Fire, and Fuels Management Research Assistant, Cal Poly NRES Department, San Luis Obispo, CA.** *Research Assistant.* Prepared protocol documents for research approval from the Cal Poly Institutional Review Board. Conducted semi-structured interviews with a diverse cadre of forestry professionals to measure workforce training priorities. Provided qualitative insight through thematic analysis to assist in building productive meeting agendas and training programs.



### EDUCATION

B.S., Environmental Management and Protection, Minor in Geographic Information Systems, California Polytechnic State University, San Luis Obispo, CA, 2021

### SPECIALTIES

- Field Surveys
- Scientific Research
- Data Collection
- GIS Analysis
- Transportation Planning
- Land Use Planning
- Watershed Analysis