ELIZABETH DAY

GIS ANALYST AND WETLAND BIOLOGIST

📞 (609)233 -6233   ✉ bethday@gmail.com   📍 9228 Dibble Ave. NW, Seattle, WA

EDUCATION

Masters in Geographic
Information Systems
Pennsylvania State University
In Progress

Certificate in Geographic
Information Systems
Pennsylvania State University
2019 – 2020

Certificate in Wetland Science
University of Washington
2006 – 2007

B.A. in Env. Science & Education
Hampshire College
1999-2003

WORK / VOLUNTEER HISTORY

SCHOOL TRAFFIC SAFETY
COMMITTEE MEMBER*
City of Seattle / Seattle, WA /
2025-Present

GIS CONSULTANT/EDITOR
Kealamahi GIS /
Honolulu, HI / 2023-Present

GIS ANALYST INTERN
Seattle City Light /
Seattle, WA / 2023-2024

CO-OP PRESCHOOL
NONPROFIT BOARD CHAIR*
Crown Hill Co-op Preschool /
Seattle, WA / 2015-2020

URBAN NATURALIST*
Seattle Parks Dept. /
Seattle, WA / 2013-2018

* indicates volunteer position

PROFESSIONAL PROFILE

I am a GIS analyst with government and volunteer experience with interests in active transportation, land use, and education. I will complete my Masters in GIS from Penn State in December 2026. Before stepping away to be a caregiver, I was a wetland biologist, where I discovered a passion for mapmaking and data analysis. I bring a career-long commitment to public service. I am looking for a role that grows my geographical data analysis skills in local government land use issues.

SKILLS AND EXPERIENCE

GEOGRAPHIC INFORMATION SYSTEMS
- Acquired, formatted, and managed geospatial data from governmental, educational, and private sources, including Seattle City Light, Seattle Dept. of Transportation and Seattle Public Schools datasets.
- Created digital maps with custom symbology of the Seattle bike network oriented towards risk-avoidant cyclists, particularly family cyclists.
- Performed volunteer complex spatial analysis of Seattle Public Schools public data using ESRI ArcGIS Pro and created accompanying digital and paper maps, influencing SPS decision-making .
- Analyzed historical electrical outage data using ArcGIS Pro to identify problem areas and trends, presented data to other SCL teams using an Experience Builder app.
- Digitized and georeferenced maps of soil sampling units to create new digital map layers.
- Designed geospatial databases to accompany new digital maps.
- Designed paper map products of the City Light electrical network for field crews and dispatchers.
- Updated GIS data layers using US Census data and SCL electrical network data for use both internally and externally.
- Provided redacted responses to Public Records Requests.

WETLAND BIOLOGY AND LAND USE
- Delineated and rated wetlands in Washington and Oregon using the 1987 U.S. Army Corps of Engineers Wetland delineation manual and regional supplements and the WA Wetland Rating System.
- Collaborated with senior staff to design wetland mitigation site plans.
- Supervised wetland and buffer mitigation implementation and maintenance based on engineering plans and performed monitoring of mitigation sites.
- Met with clients, landscapers and government representatives to discuss mitigation site installation requirements and performance standards.
- Designed data structures and performed accurate data entry for delineations, monitoring reports, wetland ratings, and habitat studies.
- Wrote and edited technical documents for submission to local, state, and federal jurisdictions in accordance with pertinent codes and laws such as local CAOs, SEPA, NEPA, and Section 404/ 401 of the Clean Water Act.
- Assisted wildlife division with wildlife and vegetation survey projects for timber clients.

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WORK HISTORY – CONTINUED

WETLAND BIOLOGIST
Raedeke Associates /
Seattle, WA / 2007-2011

OFFICE TEMP
Molly Brown Temps / Seattle,
WA / 2006-2007

NSF GRADUATE K-12 FELLOW
Western Washington
University / Bellingham, WA /
2005-2006

ACHIEVEMENTS

NATIONAL SCIENCE FOUNDATION GRADUATE K-12 FELLOWSHIP
Western Washington Univ.
2005-2006

NATIONAL SCIENCE FOUNDATION RESEARCH EXPERIENCE FOR UNDERGRADUATES FELLOWSHIP
Maryland SeaGrant /
University of Maryland
2002

SKILLS AND EXPERIENCE – CONTINUED

PROJECT MANAGEMENT
- Identified project goals and deliverables for estimating timelines and costs.
- Estimated time and costs for wetland delineation and mitigation projects resulting in on-time and within-budget completion..
- Created Gantt Charts and Work Breakdown Structures for GIS projects
- Wrote progress monitoring reports for wetland mitigation projects and followed up with contractors on tasks and deliverables.
- Evaluated success of mitigation projects based on established project goals and identified areas for improvement for future work.

INTERPERSONAL
- Delegated tasks to other coworkers and volunteers, resulting in efficient completion of project work.
- Solicited input from diverse stakeholders during decision-making, resulting in consensus decisions.
- Performed customer support roles justifying the need for additional funds and support for unexpected project needs.
- Spoke publicly to large and small groups about GIS analysis results, wetland project goals, and preschool orientation procedures.
- Recruited families to participate in preschool programs.
- Solved interpersonal problems between staff, volunteers, and parents.

NONPROFIT MANAGEMENT
- Oversaw organizational change from four independent non-profit preschools to one single nonprofit preschool.
- Designed and wrote new employment contracts, nonprofit by-laws, and policies and procedures for the preschool organization.
- Created board meeting agendas and led on-time meetings.
- Documented roles performed by board members to ensure continuity between current and future boards.
- Managed enrollment database and recruitment.

TECHNOLOGY

GEOSPATIAL
- ESRI ArcSuite including ArcGISPro, ArcMap, ArcGIS Online, Experience Builder, Dashboards, Survey123, and Sites.
- Data collection using GPS-capable devices.

PROGRAMMING/SCRIPTING LANGUAGES
- Python / ArcPy (Beginner)
- R (Beginner)
- Javascript / HTML / CSS (Beginner)
- Arcade (Intermediate)