Kate Perkins, M.S.

Aquatic and data scientist, hydrologist, environmental researcher

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EXPERIENCE

Kate Perkins — Consulting Scientist

December 2020 - PRESENT

- Drive environmental decision-making through data analytics and interpretation, telling a story supported by trends and statistics
- Develop and carry out assessment and survey-based data collection in a range of environments, including biological and hydrologic surveys
- NEPA compliance, including hydrologic assessment and documentation
- Create maps and conduct GIS-based spatial processing
- For a list of select projects & publications, see website (krperkins.com)

Ecosystems Lab, UM — Graduate Research Assistant

September 2017 - April 2021

- Managed field, laboratory, and data processing efforts for long-term metals monitoring study and to characterize sub-micron metal particles in a mine-waste contaminated river in Montana

Clark County Public Works — Clean Water Assistant

January 2016 - February 2017

- Lead in GIS mapping of oil-water separators
- Worked under NPDES permits to collect, compile, and analyze stormwater data for quarterly reports

Aquatic Ecology Lab, WSUV — Undergraduate Researcher

June 2015 - August 2017

- Investigated phytoplankton ecology in Lacamas Lake with Drs. Gretchen and Steve Bollens, published in *Lake & Reservoir Management*

EDUCATION

University of Montana, Missoula — MS in Systems Ecology

September 2017 – April 2021

Master of Science with Dr. Benjamin P. Colman, Ecosystems Lab Certificate: Water-Energy-Food Nexus Graduate, Fellow: NSF GRFP and Montana Water Center

Washington State University Vancouver — BS in Biology

September 2015 - May 2017

Minors: Environmental Science and Mathematics, Certificate: Quantitative Biology

SKILLS

Data visualization & management

Statistical analysis

Field and laboratory-based data collection

Scientific and technical report writing

Infrastructure inspection

Interpersonal communication

PROGRAMMING & SOFTWARE

R Statistical software (fluent)

Microsoft Excel, Word, Powerpoint (fluent)

QGIS, ArcGIS (advanced)

SQL (beginner)

CIVIC ENGAGEMENT

Clark County Clean Water Commissioner, January 2023 – present

Lead organizer for Let's Talk About Water Montana, a community water resources event, 2019

We Are Montana in the Classroom volunteer, 2017 - 2018

nPower Girls Water Quality Camp co-lead, Castle Rock, July 2017