



CLERK OF THE BOARD
COUNTY OF HUMBOLDT

825 FIFTH ST. EUREKA, CA 95501-1153
PHONE: 707-476-2384 FAX: 707-445-7299

**APPLICATION TO SERVE ON THE HUMBOLDT COUNTY
FISH & GAME ADVISORY COMMISSION**

APPLICANT NAME: Katherine Stonecypher

MAILING ADDRESS: [REDACTED] Eureka CA 95501

TELEPHONE: Home: [REDACTED] Work: Fax:

E-MAIL ADDRESS: krs23@humboldt.edu

OCCUPATION: Senior Fisheries Research Assistant

PERSONAL REFERENCES:

1. Darren Ward PHONE: [REDACTED]
2. Alison O'Dowd PHONE: [REDACTED]

PRIOR ADVISORY BOARD OR BOARD OF DIRECTORS EXPERIENCE? No

**PLEASE WRITE A BRIEF STATEMENT DESCRIBING WHY YOU ARE INTERESTED
IN SERVING ON THE FISH & GAME ADVISORY COMMISSION.**

I am interested in serving on the Fish & Game Advisory Commission because I would like to help evaluate issues affecting fish and game through a scientific based lens. I believe that my expertise in the environmental field, particularly in fisheries management and wildlife population ecology, will be a valuable tool for the Board to assess impacts to fish and game. As a long-time resident of Humboldt County and lifelong resident of Northern California, I also understand the importance of effective fish and game management to rural communities, and would like to help promote solutions that benefit communities and the environment.

PLEASE ATTACH A CURRENT RESUME.

DATE: 12/03/2025

SIGNATURE: Stonecypher, Katherine@Wildlife

Digitally signed by Stonecypher,
Katherine@Wildlife
Date: 2025.12.03 16:01:14 -08'00'

I declare under penalty of perjury under the laws of the State of California that the above is true and correct.

Applications will be accepted via email at cob@co.humboldt.ca.us or by mail to the Clerk of the Board, 825 Fifth St., Suite 111, Eureka, CA 95501

For county use only.

DATE RECEIVED DATE APPROVED NOT APPROVED

2/1/2024

Katherine Stonecypher

Eureka CA 95503 ♦

♦ krs23@humboldt.edu

EDUCATION

Master of Science in Natural Resources

December 2024

Concentration in Environmental Science & Management

Thesis: "Diet, growth, and survival of juvenile Coho Salmon (*Oncorhynchus kisutch*) in off-channel restoration projects in Humboldt Bay tributaries"

California State Polytechnic University Humboldt, Arcata, CA

Bachelor of Science in Environmental Science

May 2019

Concentration in Ecological Restoration

Minor: Watershed Restoration

Humboldt State University, Arcata, CA

PROFESSIONAL EXPERIENCE

USGS California Cooperative Fish and Wildlife Research Unit

December 2022-present

Senior Fisheries Research Assistant

Supervisor: Darren Ward

Lead biologist on the Prairie Creek Life Cycle Monitoring Project. Monitoring Coho Salmon populations and restoration efficacy in Prairie Creek through assessment of trends in abundance, spawning, growth, survival, habitat use, and migration timing. Conducted mark-recapture studies using Passive Integrated Transponder (PIT) telemetry. Lead field crews to complete snorkel surveys, overwinter survival surveys, spawning ground surveys, installation and operation of a rotary screw trap for outmigrating salmonids, validation and effectiveness monitoring of an ongoing floodplain restoration site, and maintenance of PIT antenna systems. Responsible for project data management, including entry, QAQC, compilation, and archival of all data in relational database software to maintain long term datasets within the California Coastal Monitoring Program (CMP) database. Responsible for data analysis and reporting to project teams, grant funding agencies, the CMP, and other interested parties. Collaboration with multiple agencies, the Yurok Tribe, and nonprofit organizations to develop data sharing strategies, present information, inform restoration planning, and further project objectives.

California Department of Fish and Wildlife

October 2021-December 2022

Scientific Aide

Supervisor: Seth Ricker

Monitoring salmonid populations in coastal waters of Humboldt and Del Norte counties through the collection of information on the status, trends, life history patterns, and habitat requirements of salmon and steelhead. Spawning ground surveys, snorkel surveys, habitat assessments, and operation of adult and juvenile migrant traps at the Freshwater Creek weir. Data collected in the field used to compile a long-term record of salmonid abundance, habitat, and life history information critical to informing recovery actions.

AmeriCorps Watershed Stewards Program*October 2020-August 2021*

Corpsmember

Supervisor: Colin Anderson

Monitoring salmonid populations in coastal waters of Humboldt County through the collection of information on the status, trends, life history patterns, and habitat requirements of salmon and steelhead. Spawning ground surveys, snorkel surveys, habitat assessments, and operation of adult and juvenile migrant traps at the Freshwater Creek weir. Data collected in the field used to compile a long-term record of salmonid abundance, habitat, and life history information critical to informing recovery actions.

Mattole Salmon Group*September 2020-October 2020*

Fisheries Technician

Supervisor: Nathan Queener

Monitoring salmonid populations in the Mattole River watershed using the California Department of Fish and Wildlife's Juvenile Coho Salmon Spatial Structure Monitoring Protocol. Snorkel surveys of Mattole River mainstem and tributary reaches.

AmeriCorps Watershed Stewards Program*October 2019-August 2020*

Corpsmember

Supervisor: Allan Renger

Fishery-based watershed assessments and salmonid population monitoring in northern California watersheds as part of the California Coastal Monitoring Plan (CMP). Habitat assessments, snorkel surveys, and spawning ground surveys of streams in the Eel River watershed. Data collected in the field used to assess population size and trajectory as a measure of progress towards species recovery plans.

California Department of Fish and Wildlife*July 2019-October 2019*

Scientific Aide

Supervisor: Wade Sinnen

Creel surveys in the lower Klamath River. Observing and interviewing anglers to collect data on catch per unit effort and collection of biological samples of Chinook Salmon and steelhead. Interpreting fishing regulations and disseminating information on salmonid population monitoring to anglers and the public.

Humboldt State University River Institute*June 2019-July 2019*

Research Assistant

Supervisor: Alison O'Dowd

Geomorphic classification of stream habitats in the Klamath-Trinity and Eel River watersheds. Measuring and calculating physical habitat characteristics such as sediment supply and valley confinement. Data collected used to characterize the diversity of California stream habitats using the California State Water Resources Control Board's protocol for regional classification.

USGS California Cooperative Fish and Wildlife Research Unit*February 2019-May 2019*

Research Assistant

Supervisor: Emerson Kanawi

Research assistant on a graduate student's project using environmental DNA (eDNA) to estimate Coho Salmon population abundance in Freshwater Creek. Collection and processing of water samples to extract eDNA. Data collected used to compare estimates of Coho Salmon using eDNA with data collected through migrant trapping on the Freshwater Creek weir.

Eel River Critical Zone Observatory*October 2018-May 2019*

Research Assistant

Supervisor: Gabriel Rossi

Research assistant on a doctoral candidate's project using benthic macroinvertebrate (BMI) drift samples and VidSync to examine the impact of low stream flows on juvenile salmonid foraging behavior in the Eel and Russian River watersheds. Identification of aquatic macroinvertebrates collected from drift net, pan trap, and gastric lavage samples. Data used in a bioenergetics model with measurements of juvenile salmonid size and movement to assess growth.

Auburn University Aquatic Ecology REU Program*June-August 2018*

Undergraduate Researcher

Supervisor: Alan Wilson

Worked as an undergraduate researcher as part of the National Science Foundation's Research Experience for Undergraduates (REU) program. Conducted a research project assessing socio-environmental factors contributing to a childhood Leukemia cluster in a rural Alabama community. Used quantitative hydrologic methods, geospatial and statistical analysis, and community-based research to analyze risk of cancer diagnosis.

California State Parks*May-September 2017*

Park Aide

Supervisor: Ranger Emily Becker

Assist with operation of Grizzly Creek Redwoods State Park. Checking in visitors and managing reservations, selling merchandise, and providing information on park resources and natural history to the public. Managing day-to-day park operations to ensure that visitor experiences are safe, positive, and inclusive of diverse backgrounds and perspectives. Developing, designing, and leading interpretive programs such as Junior Rangers, Campfire Programs, Nature Walks, and visitor center displays.

O'Reilly Auto Parts*May 2011-October 2016*

Auto Parts Specialist

Supervisor: Caleb Matthies

Cataloguing and sale of automotive parts, including passenger vehicle, motorcycle, all-terrain vehicle, boat, and industrial equipment parts. Customer service, merchandising, inventory, assistance with minor repair and maintenance diagnostics for vehicles and small engines, supervising staff members, and maintaining a clean, professional, and secure storefront to discourage theft.

PRESENTATIONS & CONFERENCES

Salmonid Restoration Federation Coho Confab. Crescent City, CA. *September 2024*

Lead a field tour of the O'Rew floodplain restoration site in Prairie Creek to present validation monitoring data collected on site in collaboration with other project partners.

Humboldt Bay Symposium. Eureka, CA. *April 2024*

Oral presentation of "*Ecology of Recovery: Research and Monitoring Floodplain Habitat Restoration for Threatened Coho Salmon*".

California Fish Passage Forum. Funding and Resources Webinar. *April 2024*

Virtual presentation of "*Monitoring SONCC Coho and Floodplain Habitat Restoration in Prairie Creek.*"

Salmonid Restoration Federation Conference. Fortuna, CA. *April 2023*

Oral presentation of "*Diet, Growth, and Survival of Juvenile Coho Salmon (Oncorhynchus kisutch) in Restored Off-channel Habitats in Tributaries to Humboldt Bay*" and helped lead a field tour of the O'Rew floodplain restoration site in Prairie Creek to present validation monitoring data collected on site.

Salmonid Restoration Federation Conference. Virtual. *April 2021*

Poster presentation of "*Spatial Distribution of Coho Salmon Spawning in Freshwater Creek, CA*".

Salmonid Restoration Federation Conference. Santa Rosa, CA. *April 2019*

Poster presentation of "*Developing a Framework for Analyzing Risk Using the Riffle Crest Thalweg.*"

American Geophysical Union Fall Meeting. Washington, DC. *December 2018*

Poster presentation of "*Assessing Socio-Environmental Factors for a Childhood Leukemia Cluster in Cleburne County, Alabama.*"

SKILLS & CERTIFICATIONS

- ❖ ArcGIS/ArcMap
- ❖ R statistical software
- ❖ Mark-recapture analysis
- ❖ Scientific writing
- ❖ Technical editing
- ❖ Database management
- ❖ Benthic macroinvertebrate identification
- ❖ Plant identification
- ❖ CPR/First Aid
- ❖ Swift Water Rescue

REFERENCES

Darren M. Ward, Ph.D.

Professor

Department of Fisheries Biology

Cal Poly Humboldt



darren.ward@humboldt.edu

Seth Ricker

Senior Environmental Scientist

California Department of Fish and Wildlife

Anadromous Fisheries Research and Monitoring Program



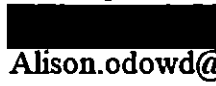
seth.ricker@wildlife.ca.gov

Alison O'Dowd, Ph.D.

Professor & Chair

Department of Environmental Science & Management

Cal Poly Humboldt



Alison.odowd@humboldt.edu