JESSICA WEIDENFELD CURRICULUM VITAE

• Davis, California | (530) 304-6077 | jaweidenfeld@ucdavis.edu •

EDUCATION

University of California Davis

B.S. in Wildlife, Fish and Conservation Biology: 2016-2018

Concentration in Fisheries GPA: 3.38

GRE SCORES (25 AUGUST 2019)

Analytical Writing

4.5 (81st percentile)

Verbal Reasoning

155 (68th percentile)

Quantitative Reasoning

154 (53rd Percentile)

AWARD & CERTIFICATIONS

Citation for Outstanding Undergraduate Achievement: UC Davis

Motor Boat Operator Training Course: Bodega Marine Lab

Fume Hood Training & Lab Safety: UC Davis

2016-2020

ACTIVITIES

Volunteer for AFS Cal-Neva chapter at AFS/TWS Conference in Reno

2019
Putah Creek Council Docent: In training

Treasurer for American Fisheries Society, Davis-Sac Subunit

2017-2018
Putah Creek Council Stewardship Leader

2014-2016

RESEARCH EXPERIENCE

UCD Suisun Marsh Salinity Study
 Junior Specialist: Ted Grosholz lab
 Suisun Marsh, CA
 July 2018-Present

Oversaw field and lab work. Helped conceptualize out plant experimental trays and construct and deployment. Measured calcein stained clams for growth. Deployed a DWR sonde in Suisun marsh and provided continual servicing. Data management and R-studio analysis on collected data. Clam collection via ponar grabs. Chlorophyll sampling and Zooplankton tows. Conducted a feeding study on captive sturgeon and two invasive clam species. Collaboration/coordination with other labs & agencies

• UCD Juvenile Chinook Salmon Tagging

Oroville Fish Hatchery & Conway Ranch

Field Volunteer: Rachelle Tallman & Andrew Rypel

January 2019

Transported 1500 endangered Chinook salmon from hatchery to field site. Monitored temperature and dissolved oxygen during a pit tagging marathon at Conway Ranch for juvenile Chinook salmon.

Biogeochemistry and Fish Ecology Lab

UC Davis

Student Assistant: Dr. Jim Hobbs

January 2018-July 2018

Assisted on a boat for field work in various bay tributaries and San Pablo Bay, deployed sls, otter and 20mm trawls. Sorted trawl samples in laboratory. Used microscope to identify: Mysid shrimp species, invertebrates, and juvenile and larval fish species. Data entry.

UC Davis Suisun Marsh Fish Study

North Delta & Suisun Marsh

Field Volunteer: Professor Peter Moyle & Teejay O'Rear

2015-2020

Deployed/retrieved otter trawls. Measured & ID of live fish, aquatic inverts. Beach seining. Secchi disc

UC Davis Aquatic Toxicology Laboratory
 Student Assistant: Professor Swee Teh & Marie Stillway
 Reference toxicity testing, Cerio Daphnia brood boards, prepared water standards, algae culturing, fish euthanasia via MS222, data analysis protocol, handling of concentrated herbicides, hardness and alkalinity testing, ammonia analysis, sterilization techniques.

Rotary Screw Trap
 Putah Creek, Davis CA

 Field Volunteer: Professor Peter Moyle and Emily Jacinto
 March 2017-June 2017

Putah creek fish identification, MS222 use to anesthetize, live fish weighing and measurement

Intertidal Invertebrate Community Composition
 Tomales Bay, CA

Field Volunteer: Ben Rubinoff UCD PhD Student 2018-2020

Green Crab Project: Greater Farallones Association
 Seadrift Lagoon, CA

Research Volunteer: M.S. Kate Bimrose July 2018, Aug. 2018

Oyster Restoration Project
 San Francisco Bay, CA

Research Volunteer: Professor Ted Grosholz & Dr. Chela Zabin August 2018

DWR Native Tule Restoration
 Various Delta Locations

Research Volunteer: Dr. Jorge Renteria & Dr. Krista Hoffman September 2018

SELECTED PRESENTATION

 Weidenfeld, J., Grosholz T. "Growth of Potamocorbula amurensis and Corbicula fluminea in Suisun Marsh 2018" Oral Presentation at Estuarine Ecology Team, January 16, 2020.

OTHER JOB EXPERIENCE

Davis Graduate Sports Bar : Kitchen Manager
 Sept. 2010-July 2018

Davis Food Coop: Meat Department Clerk
 February 2016-October 2016

TEACHING EXPERIENCE

Invasive Clams Suisun Marsh
 Directed my intern to complete lab tasks, YSI use, care of clams, & prepare field equipment

UC Davis: WFC 120: Ichthyology
 Helped set up and deploy various fish traps and canoed students out to observe contents of traps.

FIELD SKILLS

- Experience on many sized boats & boat safety
- o Delta & Estuary Fish ID & handling live fish
- Seining techniques
- o Trawling and sampling techniques: Zooplankton, otter, SLS, 20mm, Chlorophyll A, ponar dredging

LABORATORY SKILLS

- Sterilizing equipment and maintaining a sterile work environment
- o YSI calibration and maintenance
- Aquaculture of clams
- Larval fish & Aquatic Invertebrate identification
- Handling and mixing toxic chemicals: Acids, bases & concentrated herbicides

COMPUTER SKILLS

- R Studio
- Microsoft Excel